

ALUMNI VOLUME



**Alumni Association of
Department of Botany**
University of Allahabad®



Chief Editor

Prof. Harbans Kaur Kehri
Department of Botany
University of Allahabad

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Editors



Dr. Varun Khare



Dr. Raghavendra P. Narayan



Dr. Ovoid Akhtar



Alumni Association of Department of Botany
University of Allahabad®
2023



Th DEpartment



From the Editor's Pen

Dr. Harbans Kaur Kehri

Professor (Retd.),
Department of Botany
University of Allahabad, Prayagraj

me to search, contact and invite alumni spread in different parts of the world in different fields. I have never shrugged off the responsibilities given to me hence I started immediately working on it.

I have heard about the meritorious Alumni of the Department through my teachers, colleagues and Heads of the Department. My association with the Department for almost 45 years was a good base to start from. This period has given me an opportunity to see the Department through Prof. R. N. Tandon, Prof. K. S. Bilgrami, Prof. D. D. Pant, Prof. N. S. Parihar, Prof. D. D. Nautiyal, Prof. Sudhir Chandra, Prof. B. K. Verma, Prof. G. K. Srivastava, Prof. B. Lal, Prof. G. L. Tiwari, Prof. D. R. Mishra and other senior Alumni with whom I spent years, first as a student and later on as a faculty member.

My journey started with a very respectful and friendly interaction with Prof. Govindjee, the senior most alumni at present as well as senior most faculty of the Department. He introduced me to almost all the alumni settled outside the country, as well as within the country. They all shared their experiences and achievements with me and encouraged me to go ahead. They all appreciated my idea of compiling a volume about our Botany alumni.

My students Dr. Varun Khare, Dr. Raghvendra Pratap Narayan and Dr. Ovaaid Akhtar came forward to help. They designed a simple Google form

It was 2020 COVID period, existing faculties of that time were thinking about celebrating 100th year of our Botany Department in year 2023. All were interested in inviting the Alumni of the Department to participate in the Centenary Celebration. It was in one of the meetings; responsibility was delegated to

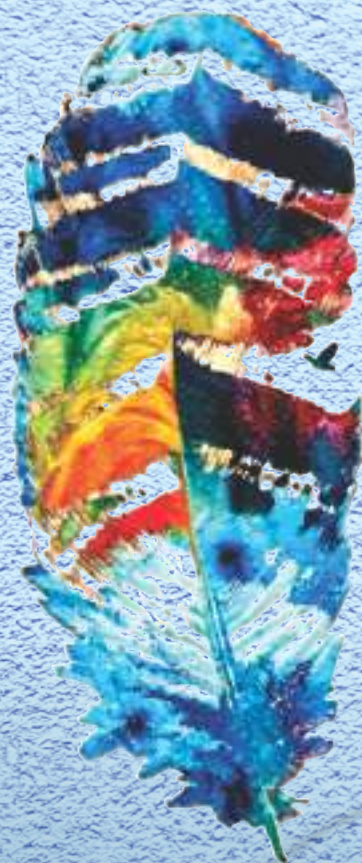
for collecting the data of alumni and also used digital media to collect the information. We received more than 250 Alumni Update forms duly filled with the information needed. We edited the information provided by our Alumni and today the Volume is ready to be handed over to the Alumni and our Head of the Department.

This volume is the result of very hard work put in by the Editorial Committee. I do not have words to acknowledge the job done by the committee. Thanks are due to both Alumnae and Alumni who responded to our request by sending the desired information, invaluable pictures and acting promptly whenever a query was made.

I would like to express my thanks to Dr. Stuti Narain Kacker, retired I.A.S.; Mr. Sanjay Srivastava, retired I.A.S.; Dr. V. N. Dhaulakhandi, Director, BITS, Pilani, and Dr. Varun Khare, CTO, Meerut for shouldering the responsibility for obtaining funds for the publication of this Volume.

The role played by the designer and printer Mr. Rajeev Mishra of Raj Graphix in this venture is worthy of acknowledgement. At last, the Editorial Committee unconditionally expresses its appreciation to one and all who contributed directly or indirectly in making this Volume see the ultimate day of the Centenary celebration i.e. 27th October 2023.

Prof. (Ms.) Harbans Kaur Kehri



Heads of the Department Since 1919



Prof. Julian H. Mitter
(1919-1941)



Prof. Shri Ranjan
(1941-1957)



Prof. R. K. Saxena
(1957-1959)



Prof. R. N. Tandon
(1959-1965)



Dr. A. K. Mitra
(1965-1966)



Prof. D. D. Pant
(1966-1981)



Major N.S. Parihar
(1981-1983)



Prof. M. P. Tandon
(1983-1985)



Prof. B. S. Mehrotra
(1985-1986)



Prof. N. Das
(1986-1987)



Prof. D. C. Pandey
(1987-1988)



Prof. D.D. Nautiyal
(1988-1994)



Prof. Sudhir Chandra
(1994-1996)



Prof. B. K. Verma
(1996-1998)



Prof. G. K. Srivastava
(1998-1999)



Prof. Bihari Lal
(1999-2001)



Prof. G. L. Tiwari
(2001-2002)



Prof. D. R. Mishra
(2002-2008)



Prof. P. K. Khare
(2008-2009)



Prof. Nupur Bhowmik
(2009-2011)



Prof. D. N. Shukla
(2011-2013)



Prof. Anupam Dikshit
(2014-2016)



Prof. Manju Sahney
(2016-2017)



Prof. D. K. Chauhan
(2017-2019)



Prof. S. C. Agarwal
(2019-2020)

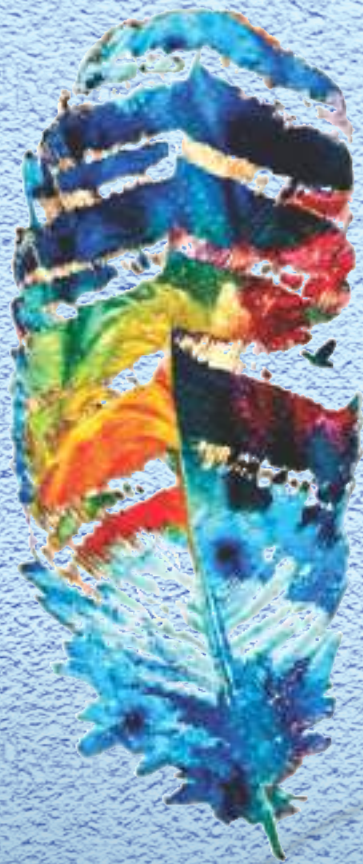


Prof. Girjesh Kumar
(2020-2022)



Prof. S. M. Prasad
(2022 till date)





Other Distinguished Botanists who where Faculties



Dr. W. Dudgeon



Dr. Noni Lal Pal



Dr. S. Rama Das



Dr. U.N. Chatterji



Dr. Amar Singh



Dr. Lalit Mohan Srivastava



Dr. P. Maheshwari



Dr. G. D. Srivastava



Dr. S. P. Naithani



Prof. A. K. Sarabhoy



Dr. A. P. Mehrotra



Prof. Govindjee



Prof. M. M. Laloraya



Prof. K. S. Bilgrami



Prof. Debashish Banerjee



Prof. V. K. Rai



Dr. R. P. Asthana



Dr. R. K. Kakkar



Dr. B. K. Malviya



Dr. S. N. Bhargava



Dr. P. N. Singh



Dr. S. B. Pandey



Dr. S. P. Tiwari



Dr. Preen Fatima Kidwai



Prof. Usha Baijal



Dr. Virendra Bhargava



Dr, Monica Basu

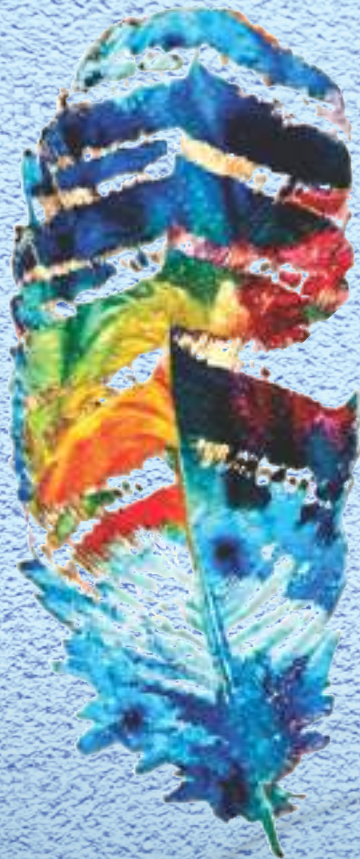


Dr. N. B. Singh



Dr. Harbans Kaur Kehri





Existing Faculties



Dr. Satya Narain



Dr. Dinesh Kumar Yadav

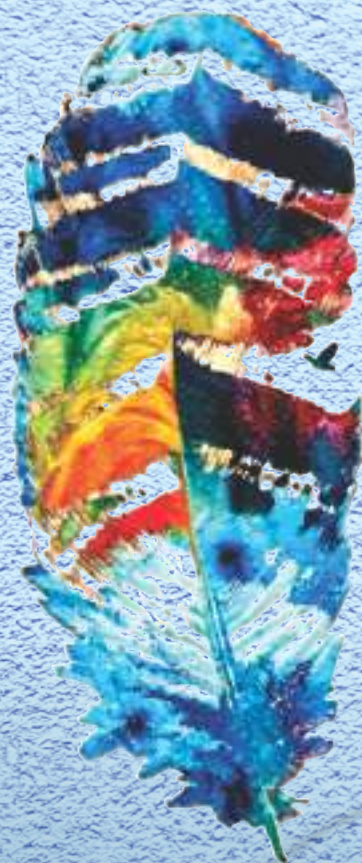


Dr. Rajeev Kumar Yadav



Dr. K. Suresh Kumar





Alumni

Prof. Panchanan Maheswari

Prof. Panchanan Maheswari (1904–1966) was a Botanist noted chiefly for his invention of test-tube fertilization of angiosperms. This invention has allowed the creation of new hybrid plants that could not previously be crossbred naturally. A Birbal Sahni Medal awardee, he was the second Indian (after Sir J.C. Bose) to be honoured as FRS.

“A Hindu father believes his life's aim is fulfilled if he has given his son a good education. My son is dead, but I wish to leave behind at least one student who will carry on my mission.” Winfield Dudgeon

Panchanan Maheshwari was born on 9 November 1904 at Jaipur. Panchanan Maheshwari got his graduation degree from Ewing Christian College, Allahabad in 1925. He came into contact with Winfield Dudgeon, an American missionary, who was a renowned botanist (himself trained under C. J. Chamberlain of Chicago), and founder-President of the Indian Botanical Society. Although students revered him, he was also feared as a taskmaster hard to please. While Maheshwari was so much influenced by him that he changed his studies from medicine to science, Dudgeon found a student in Maheshwari he had long been looking for.

Dudgeon used to take him on expeditions to collect botanical specimens and taught him the basic techniques in plant morphology. Panchanan Maheshwari received his successively the degree of Bachelor of Science (1925), Master of Science (1927), and Doctor of Science (1931). From University of Allahabad ???

Panchanan Maheshwari started his teaching and academic research career from Ewing College, Allahabad. He then joined Agra College, Agra in 1930 as a lecturer. Due to his travels to Europe, he resigned from this college in 1936.

He provided his service again to Allahabad University from 1937 to 1939. He joined Lucknow University as a Reader and H.O.D., Botany (from July to September 1939). In November 1939, in the pre-independent India, Panchanan Maheshwari joined Dhaka University as Head of the Department of Botany. He was later on promoted to the post of Dean in the University. He was invited by the Vice Chancellor Sir Morris Jwier to chair the post of H.O.D., Botany at Delhi University, Delhi in 1949, where he continued to serve till his death.

Maheshwari was Editor of Publications of the National Academy of Sciences. He founded the scientific journal Phytomorphology, for which he served as chief editor until his death in 1966; and the more popular magazine Botanica. He also published texts to improve the standard of teaching life sciences in the schools.



Maheshwari's book, 'An Introduction to the Embryology of Angiosperms', published in 1950, is considered as a classic and is one of the most quoted biology texts. He is also the author of the book 'An illustrated Flora of Delhi' - considered an excellent field-guide for everyone.

Panchanan Maheshwari was a member of the Science Advisory Committee to the Cabinet in the time of Nehru and Indira Gandhi, and counseled the Government through its various committees and bodies, e.g. of the CSIR, UGC and ICAR (of the Ministry of Agriculture) and helped with the selection of candidates for the administrative services.

The United States Educational Foundation in India depended on Panchanan Maheshwari for selection of Fulbright scholars and sought his advice on other programmes.

Honours and Awards

Panchanan Maheshwari was awarded Birbal Sahani Medal by the Indian Botanical Society (IBS) in 1959. *The Royal Society" honoured Panchanan Maheshwari as the Fellow of Royal Society (FRS) in 1965, the second Indian (After Sir J.C. Bose) to be honoured as FRS. * He was the President of IBS and was selected as the President of the National Academy of Sciences in 1963.

Panchanan Maheshwari was a scientific citizen of the world and many academies were honoured to make him a Foundation Fellow or Corresponding Member. In 1947, he was made a Foreign Fellow of the American Academy of Arts and Sciences. During the same year he became a Foreign Fellow of the Botanical Society of America. He was President of the newly created Embryology Section of the Seventh International Botanical Congress in Stockholm in 1950, and Vice-President of the Eighth International Botanical Congress held in Paris in 1954. In 1959, he was decorated with the degree of D. Sc. honoris causa of McGill University, Montreal on the occasion of the 9th International Botanical Congress. He was elected Foreign Fellow of the Kaiserliche Deutsche Akademie der Naturforscher Leopoldina in

1959, the Deutsche Botanische Gesellschaft in 1961 and of the Royal Dutch Botanical Society in 1963.

Panchanan Maheshwari (PM) made immense contribution to the development of plant physiology and plant biochemistry and many investigations which are now considered as belonging to plant molecular biology.

It is his voluminous contributions to plant embryology that have tended to overshadow his contribution to the growth of plant physiology in India. He was an outstanding teacher of plant physiology, his friendship with Fritz Went, James Bonner (Caltech), George Melchers (Tubingen), Lawrence Bogorad (Harvard), Arthur Galston (Yale), Harry Borthwick (USDA), Folke Skoog, Robert Burris (Madison), F. C. Steward (Cornell) all icons at that time helped him stay in touch with the advances in plant physiology.

It is also to his credit that the first laboratory outline of plant physiology in the country was prepared under his supervision. He was also responsible for organizing the first National Seminar in Plant Physiology, which was deliberately timed to coincide with the visit of a leading plant physiologist, Kenneth V. Thimann of Harvard University in 1957. Prominent plant physiologists of the country were brought together for the first time and this opportunity was utilized to prepare a set of recommendations for strengthening research in plant physiology for adoption in the country.

The growth of plant physiology and later of plant molecular biology in Delhi University and in other centers of the country owes largely to the vision of Panchanan Maheshwari.

https://en.wikipedia.org/wiki/Panchanan_Maheshwari

<http://www.4to40.com/biographies.../panchanan-maheshwari/>

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Dr. Raghunath Prasad Asthana

In the death of Dr. Raghunath Prasad Asthana at Allahabad on July 24, 1965, India has lost an eminent plant pathologist and a renowned teacher. This renowned teacher was our Alumnus.

Born at Gorakhpur (U. P.) on February 20, 1906, Dr. Asthana received his early education at various places in U. P.; obtained M. Sc. degree in Botany from the University of Allahabad in 1930 and Ph. D. and D. I. C. from the University of London in 1932.

On his return from London, Dr. Asthana joined the Department of Botany, Allahabad University, for a short period and left in 1935 to take up an appointment in the Agra College as Assistant Professor of Botany. From 1941-46 he was Mycologist to Government of Central Provinces and Professor of Plant Pathology, College of Agriculture, Nagpur, and was Principal from 1956 till his retirement from service in 1961. He was also Dean, Faculty of Agriculture, Nagpur University as also Member of its Academic and Executive Councils. After his retirement from Government Service, Dr. Asthana continued his researches in the Department of Botany, Allahabad University, with the financial assistance of Indian Council of Agricultural Research under their scheme of "Utilization of the services of retired scientists in the field of Agriculture" and at the same time he maintained his interest in teaching as Hon. Director and Professor of Plant Pathology, Kulbhaskar Ashram College of Agriculture, Allahabad.

Dr. Asthana was connected with several scientific societies. He was a President, Vice-President and the Editor-in-Chief of Indian Phytopathological Society and Indian Phytopathology, respectively; Fellow of Linnaean Society, Indian Botanical Society, Indian Academy of Sciences and Indian

Phytopathological Society. He was a member of Plant Diseases Committee of Indian Council of Agricultural Research and Technical Advisor to State Public Service Commission, Nagpur, and to Union Public Service Commission, New Delhi.



Prof. K. S. Bhargava

Prof. K. S. Bhargava made pioneering and path breaking contributions to Plant Virology in particular and Botany in general in India.

Prof. Kameshwar Sahai Bhargava, was born on October 19, 1918 in Rewari, Haryana. He had his early education in Rewari. In 1933 he did High School from Government High School, Rewari and in 1935, Intermediate from St. Stephen's College, Delhi. There after Prof. Bhargava came to Allahabad and did his B.Sc. (Botany, Zoology, Chemistry), M.Sc. (Botany, first class first) and D. Phil (Botany) from University of Allahabad in 1937, 1939 and 1943 respectively. Prof. Bhargava was all through a meritorious student. He was awarded Empress Victoria Readership in 1940 for doing research work at University of Allahabad; S. A. Hill Memorial Award for best research work in the Faculty of Science



and E. G. Hill Memorial Award for best research work in the University.

Prof. Bhargava proceeded to England in 1945 on Central Government Overseas Scholarship to Rothamsted Experimental Station, Harpenden, UK, where he worked on properties of four strains of Cucumber mosaic virus and earned Ph.D. degree of the University of London in 1948 under the supervision of Sir Frederick Bawden.

Prof. Bhargava had a long and distinguished career as an educator at several institutions of higher learning in India. In 1958, he joined as Professor and Head of the Botany Department, University of Gorakhpur. Prof. Bhargava also held the positions of Dean of the Faculties of Science and Agriculture, Pro Vice-Chancellor and Vice-Chancellor. After retirement, he served as Director, College Development Council, University of Gorakhpur for three years.

Prior to Gorakhpur University he was Assistant Professor of Botany at Birla College, Pilani (1944 – 45); Assistant Professor of Botany, Banaras Hindu University (1948 – 50); Lecturer in Botany, Allahabad University (1950 – 52) and Professor & Head of Botany Department, DSB Govt. College, Naini Tal (Also Vice Principal) (1952 – 58).

Prof. Bhargava for the first time studied and identified three virus diseases of temperate fruits viz. plum line pattern on plums, mosaic diseases on peach and mosaic disease on apple and identified four viral diseases on ornamentals viz. mosaic diseases of *Mirabilis*, petunias, garden nasturtium and rose in the country. Further to this he concentrated on virus diseases of cucurbits and reported Watermelon mosaic virus and Cucumber mosaic virus. In addition to cucurbits he identified mosaic and ring spot viral diseases on papaya and mosaic disease on tree tomato (*Cyphomandra betacea*) and Bermuda grass (*Cynodon dactylon*). He for the first time used sugar cane differentials in India and identified five strains of Sugarcane

...Prof. K. S. Bhargava

mosaic virus. Prof. Bhargava also for the first time reported association of mycoplasma like bodies (phytoplasma) with grassy shoot diseases of sugar cane. In epidemiological studies, he reported perpetuation of Watermelon mosaic virus disease and Sugarcane mosaic virus disease in nature. He used various novel methods for the management of viral diseases which included antiviral activity of botanicals including pteridophytes, oil spray and inhibitory property of milk. He partially identified virus inhibitor from the leaf extract of fern (*Ampelopteris proliferata*). With his long experience of teaching and research in Plant Virology he helped to strengthen science of Plant Virology in particular and science of Virology in general in India.

He published more than 150 papers in research journals and guided more than 30 Ph.D. students. Prof. Bhargava's career was marked by numerous academic distinctions and honors. He was a Fellow of the Indian National Science Academy, National Academy of Sciences, India, and National Academy of Agricultural Sciences, India. He was the President of the Indian Botanical Society, the Indian Phytopathological Society, and the Indian Virological Society. He was a recipient of the Panchanan Maheshwari Gold Medal of the Indian Botanical Society. As a mark of contribution of Professor Bhargava to science the Indian Virological Society instituted Prof. Kameshwar Sahai Bhargava Award in 2007 to recognize the life time contribution of scientists working in the field of Virology. In his honor University of Gorakhpur has also instituted in 2012 "Prof. K. S. Bhargava Memorial Lecture" which will be delivered each year by an eminent scientist.

In 1992, Dr. Bhargava's wife Shakuntala Devi passed away and in 1993 he moved to USA to live with his son, Bharat and daughter-in-law, Sadhna in Fishkill, NY. Till the very end of his life, Dr. Bhargava had a sharp mind and was intellectually active. He passed away peacefully at home in Fishkill, NY on Sept 13, 2010, a month before his 92nd birthday.

Dr. Sudhanshu Kumar Jain

Dr. Sudhanshu Kumar Jain was born on June 30, 1926 in Amroha, Uttar Pradesh, India. He did his M.Sc. degree in Botany from Allahabad University in 1946. In 1947. He started his career at Meerut College as an Assistant Professor teaching Botany classes to graduate and master students.

After a brief teaching stint, Dr. Jain opted to work with various organizations engaged in botanical research. His nascent botanical career was groomed mainly with the Botanical Survey of India (BSI), working as a Systematic Botanist at Pune (1956-60) and then as an Economic Botanist at Allahabad and Calcutta (1960-71). He published extensively on vegetation and floristics during this period. In 1965, he earned his Ph.D. from the University of Pune for



his commendable work on 'Studies on the vegetation of arid, semi-arid and some adjacent regions of western India' under the guidance of Dr. H. Santapau, then Director of BSI. Jain continued with BSI as Deputy Director at Calcutta and Shillong (1971-77), Joint Director (1977), and then served as a Director at Calcutta until his retirement (1978-84). His research work was mainly concentrated on grasses, orchids, floristic studies, endangered species, medicinal plants, ethnobotany and economic botany.

His long-standing association with BSI and as Botanical Adviser to the Government of India influenced the expansion of technical programs and Regional Stations at BSI and also the publication of the new Flora of India. He has been Chief Editor of Flora of India series (1978-84) and Ethnobotany (an international journal of the Society of Ethnobotanists), and a member of several distinguished committees. After retirement from BSI in 1984, Dr. Jain joined the National Botanical Research Institute, CSIR, Lucknow with the Pitambar Pant National Environment Fellowship (1984-86). In 1986, he was awarded 'Emeritus Scientist' of the Council of Scientific and Industrial Research for his project on Comparative and Deductive Studies in Ethnobotany. This work resulted in his famous book 'Dictionary of Indian Folk Medicine and Ethnobotany', which was presented as evidence in US courts to win India the Turmeric patent.

The efforts of Dr. Jain have brought about a sea-change in folk medicines. He has motivated and guided scientists from varied backgrounds (botanists, foresters, Ayurveda and Unani doctors, anthropologists, sociologists, linguists, etc.) to do intensive field work and document the traditional knowledge in an organized manner.

The efforts of Dr. Jain led Universities to include Ethnobotany in graduate, post-graduate, M.Phil. and Ph.D. programs and Ethnobotany has now even been recognized as a D.Sc. degree. The subject has advanced in India so quickly that Dr. Jain himself was astonished and it compelled him to write about

'Divine Botany' and 'Dynamism in Ethnobotany'.

On August 14, 1995, he laid the foundation for the 'Institute of Ethnobiology', which started functioning initially in NBRI, Lucknow. He is the founder of four other scientific societies, viz., International Society of Tropical Ecology, International Commission on Ethnobotany, Society of Ethnobotanists (1980) and Association for Plant Taxonomy (1998). Better known as the 'Father of Indian Ethnobotany', the ethnobotanical research led by Jain has made a world-wide impact and many authors in Europe and America have written in no ambiguous terms about India's leadership in this subject.

Jain has explored in all parts of India, including Andaman and Nicobar Islands, and consulted all major herbaria in India, USSR, UK, USA, Singapore, Thailand, France, Indonesia, China, and Australia. He did not restrict himself to Indian boundaries and extended his studies to Latin America and Africa to study the active principles of medicinal plants common to these continents and India. He has described 24 new taxa. His research students and colleagues named 20 plant taxa in his honour. He has guided 12 Ph.D. students on floristics, orchids, endemism, revisionary work and ethnobotanical studies. One of the students, Dr. Prabhat Kumar Hajra, became Director of BSI.

Dr. Jain has received many prestigious Awards and Fellowships, both inside and beyond India. Most notably, he is the first Asian to receive the Distinguished Economic Botanist Award by the Society for Economic Botany (U.S.A.) in 1999 for 'Meritorious contributions to study of useful plants'. He has published 40+ books and over 325 research papers on taxonomy, ethnobotany, economic botany, conservation and medicinal plants.

For the complete biography kindly see:

Prof. S.B. Saksena

Professor Shyam Bahadur Saksena, was one of the noted Mycologist of the country. We lost him on March 21, 1988.

Dr. S.B. Saksena started his research career at Department of Botany, University of Allahabad (1947-48) at a time when there was a dearth of taxonomists in the country who could identify soil saprophytes with confidence. Dr. Saksena's devotion and perseverance soon brought fruits and he came out with a very interesting new genus *Saksenaea vasiformis* of the order Mucorales in 1953 which he named after his guide and mentor Dr. Ram Kumar Saksena. It was isolated from Patharia forest soil in India and distinguishably different from other species in morphology of sporangia (flask-shaped) and the method of spore discharge. The name "vasiformis" came from the flask-shape of sporangiophore. Since 1953, it has been isolated from various countries including Panama, Israel, Honduras, and the southern United States. This species is the only species belong to genus *Saksenaea*. He has been known by this monotypic genus because of its interesting morphology and the thoroughness with which it was worked out. The other two or three genera he described were of the Hyphomycetes.

Dr. S.B. Saksena, later, during 1958-59 came in contact with Dr. S.D. Garrett, F.R.S. of the Botany School, Cambridge. On his return from Cambridge he introduced in his laboratory studies on root infecting fungi of the soil including the control of Phytophthora blight of Piper betle.

Besides his academic attainments his amiable temperament and helpful attitude towards his students and colleagues endeared him to all who came in his contact. Some of his former students Professors Mr. R. Siddiqui, R.S. Mehrotra, K.M. Vyas, R.K. Grover, S.S. Ali, and N. Dixit are occupying high academic positions at various centres in India. The Scientific community of

the country bestowed on him several honours, such as Fellow of the Indian Botanical Society, Indian Phytopathological Society, Indian Academy of Sciences, National Academy of Sciences and also President of the Indian Science Congress and Indian Science Congress and Indian Phytopathological Society.



Dr. Ravinder Kaur-Sawhney

Dr. Ravindar Kaur-Sawhney (1930-2020), was an extraordinary plant physiologist and a molecular biologist of her time. She was an authority on how hormones break dormancy in potatoes, how polyamines function in plants, and how one can prevent senescence in plants,

Dr. Ravinder Kaur-Sawhney died on May 31, 2020 in her home in California. She was a committed scientist and a very demure, loving, polite, friendly, caring and giving person. Because of her helpful and protective attitude towards the students in the Department, she was nicknamed by some as “mother hen.” She will be missed by all of us.

Ravindar Kaur's early research, at the Department of Botany, University of Allahabad provided a basic understanding of how

hormones (such as N-ethylene chlorhydrin) break dormancy in potato tubers; this was very useful for potato farmers. Then, her later research, at Yale University (see below), provided crucial information and understanding of (i) the role of polyamines in the development of plants; and (ii) the production of in vitro ripe tomatoes from thin layer explants of flower pedicels; this research led to the prevention of senescence (aging) in plants.

Dr. Ravindar Kaur-Sawhney was an author or coauthor of more than 100 publications in peer-reviewed journals, as well as many reviews & book chapters. See: https://www.researchgate.net/scientific-contributions/3993027_Ravindar_Kaur-Sawhney.

Ravindar Kaur was born in Burma (now Mynamar, a province of British India, during 1886-1937) on March 9, 1930, where her father was a general surgeon for the Burmese government. The family moved to India at the time of the Japanese invasion of Burma in 1942; this was during the World War II (1939-1945). Ravindar was merely 9 years old then. Her early education, up to High School was in Delhi, and in Shimla. Ravindar then entered the University of Allahabad where she did her B.Sc. (Chemistry, Botany and Zoology) in 1947, and M.Sc. (Botany, specializing in Plant Physiology) in 1949, under the mentorship of Shri Ranjan (1899-1969).

Research at Allahabad University, India

Ravindar joined the research group of Shri Ranjan who had established, beginning in the 1950s, a top research laboratory in Plant Physiology in the country. Govindjee was in the Department of Botany then, and watched the wonderful instruments being set-up to measure respiration in plant tissues. Ravindar discovered a clear correlation between the rate of respiration and dormancy. Further, she found that N-ethylene chlorhydrin hormone was highly effective in breaking dormancy as compared to ammonium thiocyanate. There was enhanced respiratory activity in the region of the “eye”; Ravindar



...Dr. Ravinder Kaur-Sawhney

established the prerequisite of high respiration for bud growth to take place. Thus, her results, with Shri Ranjan, had practical applications. For her outstanding research, Ravindar received the Empress Victoria Reading Award.

She was always willing to help the young research scholars in whatever manner she could do to cheer them up whenever they faced any hurdle in their research work. During the 1950s, she was the first woman research scholar of the Department of Botany at the University of Allahabad. She sat alone in a large Lab named Wahal Hall on the back of the large Blackman air commutator, table laid down, with several Pettenkoffer (absorption) tubes for continuous measurement of respiration in plant tissues.

I was told by Professor Manmohan Laloraya, one of the eminent scientists, who was a student at that time, about Ravindar Kaur's kindness and concern about the young scholars when they were appearing in M.Sc. Final Practical Examination-- during the hot summer days. She organized for them to have fresh orange juice during the examination, which no one could have ever done. After the examination, when they went to thank her, she just smiled and simply said "It's so hot and you will get it every day". This had never happened before in the Department of Botany at our university.

Research at Yale University, USA

Ravindar Kaur's keen interest in research brought her to the USA, in 1957, on a Fulbright fellowship and a travel grant from the American Association of University Women (AAUW).

After spending a year at the University of California at Los Angeles (UCLA), she joined the Biology Department at Yale University, as a Research Associate, where she worked with Professor Arthur (Art) W. Galston (1920-2008). Here, she pioneered research on several key aspects of plant physiology, which included, among many other topics, role of polyamines in different physiological and development processes in plants, and the production of in vitro ripe tomatoes from thin layer explants of flower pedicels; the latter was a National Aeronautics and Space Administration (NASA)

sponsored project geared to provide fresh food for the Astronauts in space! A couple of examples of her research follow.

Kaur-Sawhney and Galston (1979) provided a thorough understanding of how polyamines delay leaf senescence when plants are kept in darkness. Kaur-Sawhney found that there is a time dependent phenomenon: RNase increase first, then the proteases, and finally chlorophylls are degraded. And, polyamines delay all these changes—delaying senescence! Further, Kaur-Sawhney found that different polyamines have different efficiencies; the order of efficiency being: cadaverine, then putrescene, followed by tetra, then tri, and then di-spermidine. For a complete review on the role of polyamines in plants, see Kaur-Sawhney et al. (2003).

Another important project dealt with the question of what works best for bud formation and for the growth & development of buds in tomatoes. Kaur-Sawhney et al. (1996), through ingenious experiments, found that isatin (an auxin precursor) was the most effective source of auxin for bud formation, while zeatin (a cytokinin) was the best for growth and development of buds; the two together were best for tomato development – giving also nice color and flavor.

Using thin longitudinal sections of the pedicels, and growing them on Murashige-Skoog medium, supplemented with different auxins, Ravindar observed bud formation, which led to the formation of nice-looking ripe tomatoes that tasted good

Prof. G.P. Agarwal

Prof. G.P. Agarwal, was a man of exceptional qualities. He was an excellent teacher, a dedicated researcher and a balanced administrator. He was a person who won many friends and admirers throughout the country because of his intellectual superiority, courtesy and generosity. We lost him in March 2016.

Professor G.P. Agarwal was born on 10th July, 1926 at Karwi (Banda) U.P. He obtained his M.Sc. in Botany in 1951 and D. Phil. in Mycology and Plant Pathology in 1955 from the University of Allahabad. For his D. Phil. degree he worked under the renowned and eminent Plant Pathologist, Professor R.N. Tandon.

Prof. Agarwal started his career as Lecturer in College of Agriculture at Nagpur in 1955. A year later he moved to Jabalpur and joined Mahakoshal Mahavidyalaya (now Government Science College). In 1961, he was promoted to the post of Assistant

Professor and in 1967 he became Professor of Botany. In 1968, the teaching Department of Botany in University of Jabalpur was started and Prof. Agarwal became its founder Head of the Department. In the year 1979, the present Department of Botany was converted into Department of Biological Sciences and Prof. Agarwal became the Dean, Faculty of Life Science, the post which he graced till his retirement in 1986,

With his original and practical vision he built the Department of Biological Sciences. He laid the foundation of the Department and under his dynamic leadership in a short span of time, the Department has excelled in teaching and research activities. The teaching of M.Sc. in Botany was started in 1973. It was again Prof. Agarwal's initiative and foresightedness that he introduced teaching of Microbiology, as a special paper in M.Sc. Botany in 1973. M.Sc. Biological Science was started in 1980 and M.Sc. in Microbiology in 1983. Prof. Agarwal is known for his research contributions in Mycology, Plant Pathology and Microbial Physiology.

There has been a regular flow of his research contributions since 1953 onwards. He is author of more than one hundred research papers published in leading national and international journals of repute. Professor Agarwal pioneered the study of phytopathogenic fungi of Jabalpur and published a series of papers under the caption "Fungi causing Plant diseases at Jabalpur". He described many new taxa and new records for the country e.g. *Pycnothera cordiae* gen. et sp. nov., *Cercocladospora adinae* gen. et sp. nov., *Beharia smilacis* sp. nov., *Deighthoniella jabalpurensis* sp. nov., *Dactylaria indica* sp. nov., *Sporotrichum xylophila* sp. nov. All fungi described up to 1971 have been compiled and published by him as "Fungi of Jabalpur". A new genus *Agarwalia terricola* gen. et sp. nov. was established in recognition of his contribution in the field of Mycology. Prof. Agarwal's thrust has also been on Fungal Physiology, Physiology of Parasitism, Medical Mycology and Aerobiology. In his presidential address to M.P. Vigyan Academy he emphasized the significance of pectic enzymes in pathogenesis and reported a wide variation in



...Prof. G. P. Agarwal

behaviour of fungi in pectic enzyme production.

Prof. Agarwal also initiated the study of mycotic infections in human beings and has contributed substantially to this important area of study. Studies on fungal diseases of skin and nails of man, mycotic keratitis (fungal infection of eye), Aspergillosis and Cryptococcosis in bronchopulmonary disorders have been his major fields of interest. He and his co-workers also studied insect pest control through entomogenous fungi (biological control) of *Tectona grandis* and *Cicer arietinum*.

Prof. Agarwal was principal investigator of number of projects. More than forty students have been awarded Ph.D. degrees and two D. Sc. degrees under his supervision. Prof. Agarwal has also published a book entitled "Microorganisms in laboratory" in collaboration with Prof. S. K. Hasiya and has edited symposium volume entitled "Physiology of parasitism" in collaboration with Prof. K. S. Bilgrami.

Prof. Agarwal has several honours to his credit. He is founder president of Society of Tropical Forestry Scientists, President of Botany Section of Indian Science Congress Association, President of Botany Section of M.P. Vigyan Academy. A fellow of the National Academy of Sciences, India, Fellow of Indian Phytopathological Society of India and Fellow of Indian Botanical Society. In addition, Prof. Agarwal was also associated as member of editorial boards of Indian Phytopathology and Biological Bulletin of India, as associate editor of Bulletin of Pure and Applied Sciences, as councillor for the society of Mycology and Plant Pathology and Society for Advancement of Botany.

In recognition to his contributions to Science he has been awarded Emeritus Scientist grant by the Council of Scientific and Industrial Research, New Delhi.

Prof. Agarwal has been an outstanding sportsman and represented University of Allahabad as Captain of Volleyball team during his college days. He served as Chairman of Sports Committee of Rani Durgavati University Jabalpur for several years.

Prof. Lalit Mohan Srivastava

Prof. Lalit Mohan Srivastava (1931–2012) was warm-hearted and full of life, famous for his independent attitude, his excellent spoken and written English as well as the elegant style of his attire.

Prof. Lalit Mohan Srivastava was born on September 7, 1931, in Gonda district of Uttar Pradesh. He did his B.Sc. (Chemistry, Botany, and Zoology) in 1951, and M.Sc. (Botany) in 1953, both in the first division and first position from the University of Allahabad. He started his career as a Lecturer in the Department of Botany at the University of Allahabad and served the Department for few years. According to his wife Mrs. Sandra Djwa, Prof. Lalit Mohan Srivastava attributed his later success to comprehensive training at the Botany Department of Allahabad University. His academic journey took a sharp turn when he received a scholarship from the University of California Davis, (UC Davis) to pursue Ph.D. under the mentorship of Professor Katherine Esau (1898–1997), a highly distinguished and an internationally acclaimed plant anatomist.

Prof. Lalit Mohan Srivastava received his Ph.D. in 1962 on "Secondary phloem in Pinaceae". Then, he joined Harvard



...Prof. Lalit Mohan Srivastava

University (Boston, MA, USA) as a postdoctoral researcher (1962–1965) in the laboratory of Professor Irving Widmer Bailey (1884–1967), one of the topmost authorities in “Plant Anatomy”. During this time, Prof. Srivastava authored review and research articles covering the anatomy, the chemistry, and the physiology of bark of trees, as well as the structure of “cambium” in the American Ash and in the Pine.

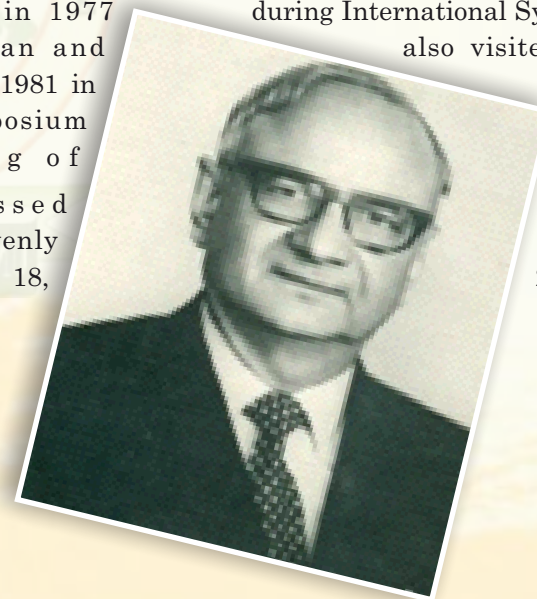
When at Harvard, he was invited, in 1965, to join as a Faculty in the Department of Biology at the newly founded Simon Fraser University, SFU (Burnaby, BC, Canada) as its charter member. He chose to teach “Plant Development, Plant Physiology, and Plant Biochemistry”; later, he taught “Introductory Biology”. In addition, Prof. Srivastava was a sought-after administrator. He served SFU in various administrative positions, which included being (i) Associate Dean of Science, 1969; (ii) Acting Vice-President (Academic), 1969–1970; and (iii) Chair of the Department of Biology, 1985–1990. While teaching at SFU, his public service included being Chairman of the Board at what was then Capilano College, and there, he successfully helped the development of a Ph.D. program. During this period, he worked on many projects like deciphering the structure of the embryo of *Lactuca sativa*, the garden lettuce. He established the presence of soluble protein receptors in several plants which bind specific gibberellic acids (GAs) with high affinity. His research group was successful in obtaining pure preparations of the GA receptors. Prof. Srivastava also studied various physiological processes in seaweeds (kelps) (i.e., carbon fixation, nitrogen fixation, transport of photo-assimilated products, iodine uptake and transport), and their impact on the overall nutritional composition year-around.

After his retirement in 1998, he focused, with great enthusiasm, on his major book “Plant Growth and Development: Hormones and Environment”. This book provides key information on the synthesis of plant hormones, how their concentrations are regulated, and how they modulate various plant processes. He had also translated Premchand's famous Hindi novel *Karmabhumi* (in 2006) into English. He left for his heavenly abode in 2012.

Prof. J. S. Grewal

Dr. J.S. Grewal was born on 8th February, 1928 at Gaddowal Village, District Ludhiana (Punjab). He did B. Sc. (Ag.) from Punjab and Ph.D. in Botany from Allahabad University under the guidance of Prof. R.N. Tandon, in 1954. Title of Thesis was “Cultural and pathological studies of some fungi causing diseases of fruits”. He served the Division of Plant Pathology, IARI, New Delhi in various capacities as Research Assistant, Assistant Plant Pathologist, Senior Pathologist and Principal Scientist. He also served as Head, Division of Plant Pathology, I.A.R.I. from March 1986 to February 1988. Dr. Grewal served the Indian Phytopathological Society as Editor (1977-79) and President (1987). He guided 15 students for their M.Sc. and Ph.D. degrees. He has a specialization on Diseases of pulse crops and published more than 200 papers in National and International journals.

Dr. Grewal visited U.K. for training in Fungicides during 1962; Taiwan in 1977 during International Symposium on Mungbean and also visited ICARDA, Syria in 1981 in International Symposium on Winter Sowing of Chickpea. He passed away for his heavenly abode in February 18, 2008.



Prof. Govindjee

One of the most celebrated of Teachers and Scientists produced by the Department is Prof. Govindjee. Born on 24th October 1932, Prof. Govindjee is an Indian-American scientist and educator. He is Professor Emeritus of Biochemistry, Biophysics and Plant Biology at the University of Illinois at Urbana-Champaign, where he taught from 1961 until 1999. As Professor Emeritus since 1999, Govindjee has continued to be active in the field of photosynthesis through teaching and publishing. He is recognized internationally as a leading expert on photosynthesis.

He received his B.Sc. (1952) and M.Sc. (1954) in Botany, in the first division, and first position from the University of Allahabad. He specialized in Plant Physiology under Shri Ranjan, a former student of Felix Frost Blackmann.

Govindjee served as a Lecturer in Botany at Allahabad University from 1954 to 1956. He went to the University of Illinois at Urbana-Champaign (UIUC), Illinois, USA in 1956, as a Fullbright scholar and a UIUC Graduate Fellow, to work for his Ph.D. in Physico-Chemical Biology under Robert Emerson. After Emerson's untimely death in a plane crash in February, 1959 he worked with Eugene Rabinowitch, obtained his Ph.D. in Biophysics from UIUC, in 1960, with a thesis on the "Action Spectra of the Emerson Enhancement Effect in Algae".

From 1960 to 1961, Govindjee served as a United States Public Health (USPH) Postdoctoral fellow. Govindjee also considers the time he spent discussing photosynthesis research with Bessel Kok, C. Stacy French, Louis N.M. Duysens, and William Arnold, during his visits to their laboratories as extremely valuable in his training as a biophysicist. From 1961 to 1965, he was an Assistant Professor of Botany; from 1965 to 1969, an Associate Professor of Biophysics and Botany; and from 1969 to 1999 a Professor of Biophysics and Plant Biology, all at UIUC. During 1998-1999, he

also served as a Professor of Biochemistry. On August 1, 1999 he became Professor Emeritus of Biochemistry, Biophysics and Plant Biology, at UIUC. At UIUC, he has been rated as outstanding and exceptional teacher.

He served as visiting Professor in various world famous institutions like:-

2000: Visiting Professor of Biology, Washington University, St. Louis, Missouri.

2002: Visiting Professor, Institute of Physical Biology, University of S. Bohemia, Czech Republic.

2009, 2011: Short term Visiting Research Scientist, Department of Phototrophic Microorganisms, Institute of Microbiology, The Czech Republic.



2003-08, 2012: Short term Visiting Professor of Life Sciences, Jawaharlal Nehru University, New Delhi, India

2014: Short term Visiting Professor of Botany, Ravenshaw University, Odisha, India

2015, 2016, 2017, 2018, 2019: Short term visiting Professor, Jawaharlal Nehru University, New Delhi, India

Research Contributions in photosynthesis

Govindjee has focused mainly on the function of photosystem II (PS II-the water-plastoquinone oxido-reductase), throughout his research career. Govindjee had proved the Emerson's calculation of the requirement of minimum number of 8 photons for evolution of 1 O₂ molecule, which 1931 Nobel laureate Otto Warburg indeed had denied. He elucidated about important role of Mn and found that without Mn, O₂ evolution cannot take place.

1) He pioneered the first pico-second measurements on Photosystem I primary photochemistry in 1978 at Urbana, and then on PS II primary photochemistry at Argonne National Laboratory. 2) Also, independently discovered that bicarbonate ions play essential role to reduce plastoquinones in light reactions. He established unique role of bicarbonate on acceptor side of PS II, particularly in protonation events involving QB binding region and provided first comprehensive theory of thermos-luminescence in algae and plants. 3) He is also known for his expertise on fluorescence spectroscopy and for his research on excitation energy transfer in photosynthetic systems. 4) With several collaborators, he did discovery of a short-wavelength form of chlorophyll (Chl a) functioning in the Chl b containing system, now called PS II; as well as two-light-effects in Chl a fluorescence and in NADP (nicotinamide dinucleotide phosphate) reduction in chloroplasts (Emerson Enhancement), thus providing fundamental background of current Z-scheme of "Light Reaction" of Photosynthesis. 5) He showed existence of different spectral fluorescing forms of Chl a and demonstrated the temperature dependence of excitation energy transfer down to 4K (in

agreement with Forster theory). 6) Govindjee exploited both delayed and prompt fluorescence (particularly life-times) and used them for understanding of electron transport, to understand relationship between Chl a fluorescence and photosynthetic reactions. 7) He became first to use fluorescence lifetime Imaging Microscopy of Chl a fluorescence in understanding photo-protection against excess light.

He has carried out 26 Ph.D.s under his supervision and holds more than 540 publications. He has done around 15 editorial work. Govindjee co-authored with Eugene Rabinowitch for "Photosynthesis" (John Wiley, 1969), a book that has a world-wide popularity and impact.

He edited another unique book of high impact: "Bioenergetics of Photosynthesis" (Academic Press, 2013) and Co-edited, books "Light Emission by Plants and Bacteria" (Academic Press, 2012); "Chlorophyll a Fluorescence: A signature of Photosynthesis" (Springer 2004), "Discoveries in Photosynthesis" (Springer 2005) which are considered the best books on Photosynthesis.

Journals

He is founding series editor of Advances in Photosynthesis and Respiration series. He is Founding editor of "Historical Corner of Photosynthesis research". Govindjee served with great dedication as Editor-in-chief of Photosynthesis Research, where he increased by four fold the number of pages published per year from <400 to 1600. He has edited special issues of journals honouring, Eugene Rabinowitch (Biophysical Journal, 1972), Warren Butler (Photosynthesis Research, 1986), Bessel Kok (Photosynthesis research, 1993), William Arnold (Photosynthesis research, 1996).

Memberships

Govindjee has a number of memberships on various International and National boards, Editorial Boards, and Committees, some of which are:- Emeritus member of American Society of Plant Biology, American Society of Photobiology, Biophysical society of America, Sigma Xi, International Society of Photosynthesis Research

...Prof. Govindjee

Fellowships, Invitations, Awards and Honors, Sir Vilas Scholarship for receiving the highest grade in Botany, University of Allahabad (1952-53), Fulbright Scholar from India to USA (1956-60), Fellow of the American Association of Advancement of Science (1976), Fellow and Life member of the National Academy of Sciences, India (elected 1979), President of the American Society of Photobiology (1980-81), "Notable 20th century scientists"(1995), Fulbright Senior Lecturer Award to India; also invited to IISc Bangalore as Dr. Nuggihalli Narayana Memorial Lecturer (1996-97)

"Life time Contributions in the Field of Photosynthesis", by the Indian Society of Photobiology, the Society of Plant Physiology and Biochemistry, and the Indian Society of Plant Physiology (2000) Department of Biotechnology, Government of India, Research Award (2003-04). Honorary President of the 2004 International Photosynthesis Congress (Montreal, Canada). First recipient of the Lifetime Achievement Award of the Rebeiz Foundation for Basic Biology (2006). The Communication Award of the International Society of Photosynthesis Research (ISPR)(2007). LAS (Liberal Arts and Sciences) Lifetime Achievement Award of the University of Illinois at Urbana-Champaign, Illinois (2008) 16. Listed among the Eminent Indian Botanists, Past and Present (2010).

Volumes 116 and 117 of Journal Photosynthesis Research were dedicated to Govindjee's 80th birthday (2013)

The Professor B.M. Johri Memorial Award for outstanding plant scientists by Society of Plant Research of India (2016)

Internationally honored for his Life-time achievement and dedication to 'Photosynthesis' at 85th birthday by Photosynthetica (guest editor: Julian Eaton Rye; 56(1), Pp. 1-477) and by Photosynthesis Research, also (2018)

Govindjee's scientific impact and research are considerable.

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Prof. M. M. Laloraya

Prof. Manmohan M. Laloraya is an illustrious teacher, researcher, administrator and an institution builder. He is a distinguished Plant Virologist and physiologist from Allahabad University. He was born on 21st June 1934 to Shri. Radha Krishna and Smt. Tejeshwari Devi. His school education included 2 years in a Government Girls Normal School followed by Colonelganj High School (1943-48), He then moved to Kayastha Pathshala Intermediate College, Allahabad (1948-1950) for Intermediate Board and thereafter to the University of Allahabad for his undergraduate (1952), Post graduate (1954) (Botany with specialization in Plant physiology and Plant pathology).

M. M. Laloraya did his Ph.D. in Plant Physiology under Dr. Shri. Ranjan, Vice Chancellor, Allahabad University (a former student of Felix Frost Blackmann). He received his D. Phil. Degree in 1957



from Allahabad University in Botany (Plant Physiology) (1954-1957). He was the recipient of the prestigious E.G. Hill Memorial prize for best research work in the Faculty of Science of Allahabad University in 1955.

At the age of 24, he proceeded to work at Harvard University U.S.A with the Famous Plant Physiologist Dr. Kenneth V. Thimann as a Post Doctoral Fellow in 1958. A strong proponent of serving his country in ones young age, he cut short his USA fellowship, and returned to his Alma Mater (Botany Department) to join as Lecturer in 1959 and remained at Allahabad University upto 1971.

Laloraya moved to Gujarat University Ahmedabad as Reader (1971-74). He was invited as Professor of Life Sciences (1974-1989) in the newly formed Department of Life Sciences. University of Indore (now known as Devi Ahilya Vishwavidyalaya, Indore). At Indore he created a modern Department with excellent research facilities and a strong group of researchers in Plant Physiology, Endocrinology and Mosquito Control. He was the Dean, Faculty of Sciences of University Indore during 1974-1989. Dr. Laloraya was called upon to serve as Acting Vice Chancellor of Devi Ahilya Vishwavidyalaya Indore for a six month term in 1978. He was appointed as Vice Chancellor of Pandit Ravi Shankar Shukla Vishwavidyalaya, Raipur in n 1989. After finishing his term he returned back to Devi Ahilya Vishwavidyalaya Indore to join his original assignment of Professor in Life Sciences. Professor Laloraya retired in June 1994 and thereafter continued his research via UGC Emeritus Professor, CSIR Emeritus Scientist at DAVV, Indore and Later Emeritus Scientist of DST at RGCB, Trivandrum.

Research Contributions :

During his Ph.D. he developed circular paper Chromatography to separate various amino acids and amides and using this technique studied changes in amino acids and amides in virus infected leaves of different plants. The results were published in top journals like NATURE, Experientia and

Naturwissenschaften. This work has been widely confirmed and pursued in the Laboratories at Oxford & Rothampsted in England even upto 1968. Later he utilized the same technique to study changes in free amino-acids and amides in detached leaves leading to another NATURE paper. He also showed the senescent hump observed during the respiratory drift of isolated leaves was a consequence of bacterial infection during leaf cultures rather than a physiological phenomenon associated with leaf senescence as suggested by Prof. F.F. Blackman.

He has published a large number of Original papers in prestigious Journals like Science Naturwissenschaften, Nature, and Experientia etc. His laboratory at Allahabad focused on the metabolic action of growth hormones, particularly in interacting hormonal systems. These results threw new light on relationship between growth, protein synthesis and water uptake, changing the old classical view. Bioassays of various plant growth hormones as auxin, gibberellins and cytokinins were difficult to perform in Indian laboratories because plant material was not easily available, the response took long time to show up and therefore early metabolic changes were difficult to record. Dr. Laloraya's group developed quick bioassays for gibberellins and cytokinins and studied various metabolic changes during growth response. Thus early changes in respiration, protein synthesis and water uptake were recorded and produced new results. His group has published a large number of research papers in elite journals all extensively reviewed. He has produced twenty six Doctoral students who are occupying important position in the country and abroad.

Honors/Awards/Memberships:

In 1968 while a Lecturer in Botany Department, Dr. Laloraya was elected unopposed as the PRESIDENT of the Indian Society of Plant Physiology at the Banaras Science Congress. Prior to that he was on its editorial Board (1961-63), a Councilor (1964), Vice President (1966),

Elected as a Fellow of the National Academy of Sciences India in

1968. at the age of 34. Thus two top honors of the Scientific Community of the Country were bestowed to a young lecturer of the Dept. of Botany.

The Indian Society of Plant Physiology and Biochemistry nominated Dr Laloraya for the **DISTINGUISHED PLANT PHYSIOLOGIST AWARD** in 1995.

IARI honored him with RD ASANA Endowment Lecturer award. Awarded UGC National Lecturer, twice. Visiting Professor at Univ. of Ottawa, 1985-1987. Member of the National Delegation to the Molecular Biology Symposia at Szeged, Hungary, 1977. Member of Committee to conceptualize and formulate the National Exam for Research which culminated in creation of NET Exam under CSIR and UGC. Awarded Foreign Membership of the American Institute of Biological Sciences through ASIA Foundation. Chairman of the Plant Physiology and Biochemistry Scientific Panel of the ICAR, 1979-1982. Served as Expert in the panel of experts of Council of Scientific and Industrial Research to advise on "Sea Water Agr. Programme" to the Central Salt and Marine Chemicals Research Institute, Bhavnagar. Served as an Expert on the Selection Committee of Council of Scientific and Industrial Research for selection to the post of Junior Scientific Officer. Served as Expert in the panel of experts of Indian Council of Agricultural Research in senior class I posts. Chairman, Summer School of Botany sponsored by the University Grants Commission at Ootacamund, 1965.

Dr. Durga Prasad Tiwari

Born on 23rd March 1932, Dr. D.P. Tiwari did his M. Sc. In 1954 from University of Allahabad, Allahabad. After his graduation from Allahabad University, Dr. Tiwari joined as a Lecturer in University of Sagar. Immediately he decided to get his Ph.D. and started working under the guidance of Professor R. S. Mehrotra in 1964 and received his Ph.D. in 1968. He worked on Phytophthora. Dr. Tiwari successfully maintained a robust research program and worked in Phytopathology, Ecology and Taxonomy of Soil Fungi throughout his career despite having leadership role and maintaining a robust teaching load. Maximum research work was performed in soils of Jabalpur forests and grasslands. With the help of his graduate students and collaborations, he investigated and identified for the first-time various soil fungi of the sub-class Gasteromycetes and wood decaying fungi. During a study that lasted three years, 87



...Dr. Durga Prasad Tiwari

species of soil fungi were isolated and identified. His research work led to the discovery of new soil Fungal species and new fungal genus Agarwalia. His favorite and iconic work was on Betel vine (Piper betle), an important commercial crop of India and nearby countries. It is a perennial creeper grown in partially covered orchards for its leaves used for “paan”. Root rot and leaf rot diseases of P. betle caused by Phytophthora parasitica posed a serious threat to the crops. Dr. Tiwari's ingenious work allowed for the first time to grow Phytophthora parasitica in vitro for further studies. His work is published in peer reviewed Journals and to this day is referenced well. During his entire career Dr Tiwari taught undergraduate and graduate classes. He graduated 15 Ph.D. students, who all had successful careers themselves. Dr, Tiwari was also Head of the Department. Even after his retirement in 1992, he stayed active in reading, writing and advising.



Dr. Rajni Govindjee (formerly Rajni Varma)

Dr. Rajni Varma was born in Meerut on November 29, 1934, to Shri Avadh Narain and Smt. Nand Rani. She did her early schooling from Huddard School and then Balika Vidyalaya in Kanpur. Her family moved to Allahabad in 1946 where she joined the Crosthwaite Girls Inter College completing her High School in 1949 and Intermediate in 1951. Her love for Biology led her to join the University of Allahabad, where she studied for her B.Sc. (1953) and her M.Sc. (1955) in Botany, with specialization in Plant Physiology. Always a bright student, she was the topper of her batch in M.Sc. She then joined research under Prof. Shri Ranjan (1899-1969) where she worked from 1955-1957 before going to the University of Illinois at Urbana-Champaign (UIUC) in 1957 to join the lab of the



the lab of the legendary Prof. Robert (Bob) Emerson (1903-1959). Due to the unfortunate death of Bob Emerson in a plane crash, she finished her Ph.D. under Prof. Eugene Rabinowitch (1901- 1973) in 1961.

Rajni had developed a deep liking for the discipline of photobiology from her early graduate-student days. However, her training, on algal and green plant photosynthesis, with the pioneers of photosynthesis research, such as Rabinowitch and Emerson, paved the way for her ground-breaking research in the photobiology of retinal proteins. Her journey to fame had started when she went to USA. During her thesis work, she, using quinone Hill reaction in *Chlorella* cells, discovered that Emerson's two-light effect was indeed in photosynthesis, rather than in respiration, as Larry Blinks had been suggesting. This was further placed on a very strong footing, in 1962, when she, together with her husband Govindjee, showed the same with NADP reduction.

Rajni's active involvement in photosynthesis ended with (i) proving, in 1969, with Govindjee, that the Nobel laureate Otto Warburg (1883-1970) was wrong, and a minimum of 8-10 photons are required for the release of one oxygen molecule even in young algal cells; and (ii) her widely noticed overview article on the primary events in photosynthesis published in *Scientific American* (Govindjee and Govindjee 1974).

In 1973, Rajni and Prof. Thomas (Tom) Ebrey started a very successful partnership that lasted for over 25 years. When Ebrey joined the Biophysics program at the University of Illinois at Urbana-Champaign, one of his very first acts was to invite Rajni to work with him on retinal proteins.

She, being a master collaborator, worked with dozens of people of various fields to get experiments done. Her first retinal-protein paper was a collaboration with Koji Nakanishi's group on artificial rhodopsins (Ebrey et al. 1975; Nakanishi et al. 1976) and the first report on bacteriorhodopsin (bR) was with Ebrey and Fumio Tokunaga, collaborating with Rosalie Crouch; it was on the first artificial bR ever created.

Working with Bob Callender's group, she provided samples and helped interpret Resonance Raman studies of bR (Schiffmiller et al. 1985) and worked with Laura Eisenstein's group on Fourier transform infrared spectroscopy (FTIR) studies of bR.

Another area, pioneered by Rajni, was the study of proton pumping by bR using flash photolysis methods. One of her most successful collaborations was with Sergei Balashov, Ella Imasheva, and Eugene Lukashev on bR mutants. She was also active in working on the photochemistry of visual pigments. With Jie Liang, she studied the photochemistry of cone visual pigments. She retired from UIUC in 1999.

Rajni helped mentor many graduate students in Ebrey's lab. While being an ace scientist, she is also a wonderful homemaker with her equally famous husband Prof. Govindjee and two children Anita and Sanjay. Her husband Govindjee is now Professor Emeritus at the University of Illinois at Urbana-Champaign.

In addition to her accomplishments in science, Rajni has brought her standards of excellence and collaboration in her athletics as well. She was a highly sought-after teammate in competitive badminton on the UIUC campus. We know that she played badminton not only with those who were older than her, but also with students who were half her age. She has been a regular visitor to several athletic facilities, especially swimming pools. When she was only 10 years old, she swam across the river Yamuna in Allahabad, and her picture was published in the local newspaper!

Dr. Rajni Govindjee's unmatched academic legacy, her sportsman spirit, her cheerful nature and her exceptional social abilities, place her one among the most illustrious of the alumni of our Department of Botany at Allahabad University.

Prof. K. S. Bilgrami

Prof. Krishna Sahai Bilgrami, doyen of Indian Botany, was born on 9th July, 1933 at Bilgram, Hardoi, Uttar Pradesh. He did his D.Phil. in 1956 and D.Sc. in 1962 from Department of Botany, University of Allahabad under the guidance of Prof. R.N. Tandon, a renowned Mycologist and Plant Pathologist. In 1958 he joined the Department as lecturer and served from 1958 to September, 1963. Then he joined University of Jodhpur as Reader and was there from 1963 to 1969. Finally he settled at Bhagalpur where he joined Post Graduate Department of Botany, University of Bhagalpur, Bhagalpur as Professor & Head in 1970 till his retirement in 1993. During this period he also served as Dean, Faculty of Science (For Two Terms) i.e., 1973 to 1975; 1982-1984 and Acting Vice-Chancellor, Bhagalpur University from June 1978 to May 1979. After his retirement he was awarded Emeritus Professorship by UGC New Delhi and CSIR New Delhi but before



its completion he left the world on 31st December 1996.

Prof. Bilgrami's area of specialization were, Physiology and Taxonomy of Fungi, Seed Pathology and Mycotoxins, Microbial Ecology and Limnology. Initially he worked on fungal physiology and was honored as being author of research book entitled "Physiology of Fungi" by the University Grants Commission. Later on he changed his field of research to Mycotoxicology in which he did extensive work on different aspects of mycotoxin contamination in food and feed commodities, their biological effects and control. He is also known for his excellent contribution in the field of environmental biology, especially on ecology of river Ganga and thermal springs of Bihar. One can not forget his superb and unique publication entitled "Living Ganga". His views on saving Ganga from undesirable contaminants are widely accepted and used to be regularly telecasted on the national network by "Doordarshan".

Thirty six students have been awarded Ph. D. degree from the Universities of Allahabad, Jodhpur and Bhagalpur under his guidance.

Prof. Bilgrami published more than 200 original research papers, 11 popular Abstracts, Twenty Monographs and Technical Reports, Four University level Books

Prof. Bilgrami received a number of Fellowships during his higher education:

* U. P. Government Research Scholarship, 1954-55, *Government of India Research Training Scholarship, 1955-56, *Indian National Science Academy (INSA) Research Fellowship, 1956-57, *S. A. Hill Memorial Prize for the best research work done in the University of Allahabad, 1958

For his significant contributions in research he was given several Gold medals and awards:

* U. P. Government Education Minister's Gold Medal for publishing best research papers in the field of Botany and Agriculture in the Proceedings of the National Academy of Science during 1961-63 (1963). *Professor Panchanan Maheshwari Gold Medal of Indian Botanical Society (1983). *Professor Saligram Sinha Memorial Gold

Medal of Diamond Jubilee Session of National Academy of Sciences (1990).

He delivered the following special lectures of reputed Scientific Societies:

*S. K. Shome Memorial Lecture – Mycological Society of India, 1985.

*B. B. Mundkur Memorial Lecture – Indian Phytopathological Society, 1986.

*S. N. Banerjee Lecture – Indian Mycological Society, 1987.

*D. P. Sharma Memorial Lecture – Baidyanath Ayurved Bhawan, 1989.

*Parija Memorial Lecture, Utkal University, Bhubneshwar, 1990.

*Platinum Jubilee Lecture of Indian Science Congress, 1991.

*Saligram Sinha Memorial Diamond Jubilee Lecture of Natl. Acad. of Sciences, India, 1991.

*Kazale Memorial Lecture of Indian Botanical Society, 1991.

*Prof. T. S. Sadasivan Endowment Lecture of Indian National Science Academy (INSA) 1994

He was actively associated with almost every reputed scientific society of the country. He was :

*President, Botany Section of Indian Science Congress (Bangalore Session) (1987).

*President, Indian Botanical Society (Tiruchirapalli Session) (1988).

*Member, Ganga Project Directorate Research Committee.

*Member, Agricultural Research Committee, Lower Ganga Region constituted by Planning Commission, Government of India.

*Former Member, Post-Harvest Technology Panel of ICAR.

*Member, Wetland Management Committee, Govt. of Bihar, Patna.

Fellow of the Scientific Societies. He was :

*Fellow of the Indian National Science Academy (F. N. A.)

*Fellow of the National Academy of Sciences, India (F. N. A. Sc.)

*Fellow of Indian Botanical Society (F. B. S.)

*Fellow of Indian Phytopathological Society (F. P. S. I.)

*Member, Council of several Scientific Societies.

University Level Books

*Modern Plant Pathology 1976 (with H. C. Dube).

*Physiology of Fungi 1978 (with R. N. Verma).

*Fundamentals of Botany 1985 (with L. M. Srivastava and J. L. Shreemali)

*A Text Book Of Algae (with L. C. Saha)

Prof. Bilgrami edited four UGC sponsored Symposia and two Felicitation Volumes (Prof. K.S. Bhargava, FNA and Prof. S.B. Saksena, FNA). He was Chief Editor of Biological Bulletin of India.

Monographs, Technical Reports etc.

*Fungi of India. Part-I 1979 (with Jamaluddin and M. A. Rizwi)

*Fungi of India. Part-II 1979 (with Jamaluddin and M. A. Rizwi)

*Changes In Nutritional Components Of Stored Seeds Due To Fungal Associations 1979 (with T. Prasad and R. K. Sinha)

*Survey And Study Of Mycotoxin Producing Fungi Associated With Grains In The Standing Maize Crop (with T. Prasad, R.S. Misra and K.K. Sinha)

*Limnological Survey And Impact Of Human Activities On The River Ganga (Barauni To Farakka (with J.S. Dutta Munshi).

*Mycotoxins In Dry Fruits And Spices

*Ecology Of River Ganga 1984 *Mutagenic Effect Of Mycotoxin 1988

*Physiology Of Micro – Organisms 1977 (with H. P. Srivastava,

H.C. Dube and S. M. Reddy).

*Physiology Of Parasitism (with G. P. Agarwal)

*Recent Advances In Biology Of Micro – Organisms – Part – I 1979 (with R. M. Vyas)

*Recent Advances In Biology Of Micro – Organisms – Part – II, 1982 (with R. M. Vyas)

*Advancing Frontiers Of Mycology & Plant Pathology 1982 (with R. S. Misra and P.C. Misra)

*Mycotoxins In Food And Feed 1983 (with T. Prasad and K.K. Sinha)

*Phytochemistry & Taxonomy 1983 (with J.V.V. Dogra)

*Plant – Microbe Interaction , 1990.

*Investigations On Prevention, Elimination And Inactivation Of Aflatoxin And Others Mycotoxins From Cereals And Oil/Seeds With Special Reference To Maize And Mustard, 1990; (The Allied Press, Bhagalpur)

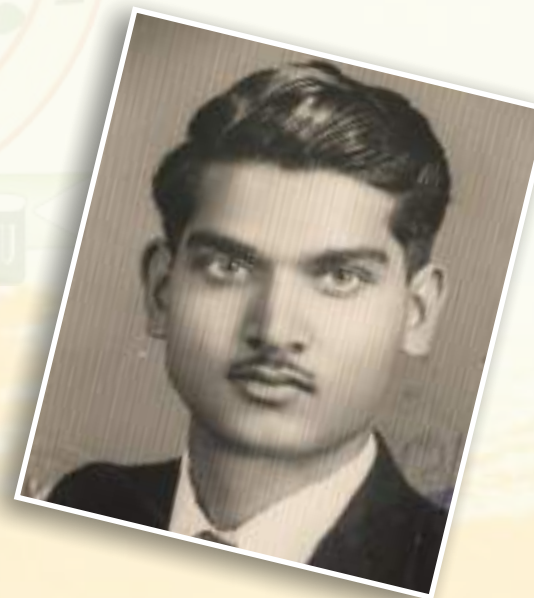
*The Living Ganga 1991.

*Mycotoxin Incidence And Human Health, 1991 (with K.K. Sinha)

Prof. Raj Prasad

Prof. Raj (Raghuvir) Prasad, is living his post retirement life at Canada Prof. Raj (Raghuvir) Prasad is a respected and international weed scientist and has largely worked for the Canadian Forestry Service for over 35 years,(1968- 2007). starting in Winnipeg , moving to Ottawa to Sault Sainte Marie, Ontario and then finally spending the last 19 years at the Forest Research Centre, in Victoria, BC. During this long period of 38 years, he has accumulated a wide experience and expertise in protection (integrated pest management and production of forests).

Dr. Prasad was born on 5th July 1936, raised and partly educated in Allahabad ,India. He did his B. Sc. (1950-54) in Agriculture–Forestry from Department of Agronomy , University of Allahabad (Allahabad Agric Instt,Naini) standing 1st class Ist and M.Sc. (1954-56) in Agriculture Botany having specialization in Plant Physiology from Department of Botany, University of



...Prof. Raj Prasad

Allahabad standing again 1st class 1st. He did his D.Phil. in 1961 in Plant Physiology (Weed and Pesticide Science) from Department of Agriculture, Oxford University, UK. He was a Post Doctorate Fellow (1961-63) in Plant (Weed Science-Biochemistry) in the Department of Botany/Horticulture California University, Davis, USA. Before landing in Canada, he was a Professor at University of Ibadan, Nigeria and then was offered a job as a Consultant at UNDP-FAO- Arusha, near Kenya, Africa but declined there to settle in Canada.

Positions held by Prof. Prasad are:

*Research Biochemist 1963-65 Biochemistry, Univ. of California, Berkeley (Department of Plant Nutrition and Soil Science),
*Associate Professor, 1965-67 Plant Science, University of Ibadan, Nigeria, West Africa (Department of Agriculture),
*FAO Consultant, 1967-68 Weed Science- Agro-forestry, Nairobi, Kenya, East Africa (UNDP- Arusha –job offer declined),
*Research Scientist 1968-70 Weed Science (Vegetation Management) Canadian Forest Research Lab. CFS, Winnipeg, Canada,
*Research Scientist, 1970-78 Pest Management, Canadian Forest Research, Lab. CFS, Ottawa, Canada,
*Research Scientist, 1978-88 Vegetation. Management (weed science) Canadian Forest. Research Lab. CFS,, Sault Ste Marie, Ont.
*Senior Research Scientist 1988-2007 Vegetation Management and Invasive Plants-Weeds. Canadian Forest Research Centre CFS, Victoria, B.C.
*Retired Scientist and Advisor 2008 to present, Alien -Invasive Weeds, Coastal Invasive Species Committee, Pacific Forestry Victoria, Garry Oak Ecosystem Research Organization, Victoria, B.C.

Prof. Prasad is a recipient of number of Awards & Honors:

* Patent Award (US Patent # 5,587,158. Can. Patent # 2171, 924) for co-invention of a novel bio-herbicide formulation,
*Award of Excellence from Weed Science Society of America 1967,
*Fellow Award of the Weed Science Society of America 1997,
*Fellow Award of the Indian Weed Science Society 1998,
*Secretary-Treasurer, International Weed Science Society. 1988-96.,
*Graduate Thesis Advisor for MS and PhD. candidates, Univ. of Ottawa 1972-78; Univ. of Guelph, 1985-88, Canada,

*Distinguished Achievement Award. International Conference on Pesticides, Agriculture University, Kanpur, India, 1998, Golden Plaque Award, Asian-Pacific Weed Science Society, Beijing, China, 2001,
*Associate Editor, Weed Technology (U.S.A.) Outlooks on Pest Management (U.K.) and Annals of Plant Protection Sciences, (India),
*Eco-Star Awards Honor by Lt Governor of B.C. for Recognition of Environmental achievement, Dec. 3 2004,
*Supervised several CO- OP students from Univ. of Victoria, Canada, on research projects in biocontrol and invasive weeds, Invited Honored Guest, Brazilian Weed Science Society, XX1 Congress Brasileiro da Ciancia Plantas Danihas Brazil, South America. 1997, Prof. Prasad published more than 300 papers of various kinds (Journals, Book Chapters, Proceedings, Abstracts, Transfer Technology, Information Reports etc.), Co-author of the widely used book Herbicide Handbook of the WSSA 6th Edition 1989, 289 pp, Co-editor Weeds Across Borders 309 pp, Alberta Invasive Plant Council, Edmonton, Canada. 2008.

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Dr. Sirajul, Hasan

Dr. Sirajul, Hasan, (settled in Paris) is one of the pioneers in the use of pathogens for the biological control of weeds. At Present he is an International Consultant for the biological control of insects.

He was born on 15th July 1936 at Jaunpur, U.P. He did his early education from Allahabad. High School from CAV which later became Intermediate College and he continued his pre-University education from that college. Then joined the University of Allahabad for B. Sc. (Botany, Chemistry and Zoology) and M. Sc. (in Botany with specialization in Plant Physiology) degrees, 1952-56.

In 1957 he again did M. Sc. from Dacca University (Bangladesh) in Botany with specialization in Plant Pathology. His M. Sc. thesis topic was "A study of the fungus organisms associated with the Athracnose disease of Piper betle L. with special reference to pathogenicity of Colletotrichum and Gloeosporium isolates upon



six varieties of pan (P. betle). In 1966 did D.E.A. (Diplome d'Etude Approfondie) from Montpellier University (France) in Parasitology and Invertebrate Pathology, Docteur de Spécialité (Ph. D.) in 1968 from Montpellier University in Parasitology and Invertebrate Pathology on a topic "Research on the passage of the fungal pathogens of plants through the gut of the disseminating phytophagous invertebrates" and Docteur d'Etat (D. Sc.) in 1978 from Montpellier University (France) in Biological Control on a topic "Studies on the pathogens of Chondrilla juncea L. (compositae, cichoraceae) and their potential for the biological control of this weed".

Dr. Sirajul Hasan joined CSIRO (Commonwealth Scientific and Industrial Research Organisation of Australia) as Research Scientist and International Professor. Worked in collaboration with WHO, FAO of the UNO and French organizations such as CIRAD (Center for Research in Tropical Countries), INRA (National Research Institute of Agriculture), different Commonwealth countries in addition to the North and South America. Prior joining CSIRO in 1967 he worked on diseases of crops including mulberry. Dr. Sirajul Hasan's main interest was in the identification of pathogens/arthropods/weeds, biology, climatic requirements, impact on crops and host/parasite relationships of pests including those of cereals, vegetables, grapes and other fruit trees including apple, apricot, cherry etc. as a part of biological/integrated control or sustainable Management of Agricultural and Forest lands.

He believed that Biological control where natural enemies such as predators, hyper-parasites and pathogens are used may play an important role in reducing the pest populations. As a scientific adviser he has given emphasis on the production of bio-pesticides, used antagonist fungi such as Trichoderma spp. or their metabolites to control both foliar and root diseases. Dr. Sirajul Hasan established the foremost example to control skeleton weed

(*Chondrilla juncea*), which is a serious weed of wheat cultivation in Australia, by the use of the rust fungus *Puccinia chondrillina*. Efficacy of skeleton weed bio-control has been further increased when combined with rotation by alfalfa and by the use of arthropod predators in Argentina, Australia and the USA.

Another rust fungus *Uromyces heliotropii* and the leaf blight fungus *Cercospora heliotropii-bocconii* have been used to control the summer annual *Heliotropium europaeum* in Australian pastures. Also, controlled the weedy blackberries (*Rubus fruticosus* Aggregate) using the rust fungus *Phragmedium violaceum* in Australia.

Among other achievements, Dr. Sirajul Hasan formulated a regional programme on behalf of the Food and Agriculture Organization of the United Nations (FAO) for the integrated management of *Chromolaena odorata*, a serious weed of crops in central and western Africa. During summer 2002, 2003 and 2004 Dr. Sirajul Hasan spent 2-5 weeks as consultant in the provinces of Heilongjiang, Shandong and Henan (China) respectively to study the crop and forest pests and their biological management. Pine forests near Tengzhou (Shandong) showed serious infestation of trees by the bark beetle (*Semanotus* sp.). Dr. Sirajul Hasan studied and recommended techniques to control the insect and also diseases introduced through insect injuries in the infested trees.

In 2006 he worked as consultant in the provinces of Guangxi and Xinjiang and again in 2007 in Xinjiang for the Integrated Pest Management in different crops including Jasmine (for jasmine tea), cotton, hops and fruit trees.

In June 2008 spent about 2 weeks in Xining (Qinghai) for the biological management of weeds and crop diseases and then in Funan/Hebei (Anhui) for soil fertility improvements. In 2009 visited Qidong (Jiangsu), Piquan (Xinjiang) and Heze (Shandong) to examine cultivated lands and made recommendations for the reclamation of saline and sodic soils and biological farming.

In 2010 Dr. Sirajul Hasan visited Taixing, Guilin and Heze and

received Kilu Friendship Award at Jinan (Shandong). Also controlled cotton caterpillars (*Heliothis* sp.) in forests of Central China by the use of a Nuclear Polyhedrosis Virus (NPV) multiplied on living larvae of *Heliothis* sp on an artificial medium.

Dr. Sirajul Hasan was invited by the Government of Pakistan where he developed and organized the Department of Mycology & Plant Pathology at the University of the Punjab, Lahore..

Being one of the pioneers in the use of pathogens for the biological control of weeds and following the remarkable success of *P. chondrillina* in controlling skeleton weed, Dr. Sirajul Hasan was invited to lecture in Australia and in a number of countries in Asia, Europe and North America: including an invitation from the Royal Society in London to give a paper on "Pathogens for Biological Control of Weeds". Have also been invited to lecture on the microbiological control of weeds at: University of Montpellier, France on several occasions; University of Gainesville, Florida, USA, 1976; K.T.R.I., Frankston, Australia, 1983; Perthian University, Kuala Lumpur, Malaysia, 1984; University of Sheffield, Sheffield, UK., 1986. Invited to give the Tansley Lecture at the University of Lancaster, Lancaster, UK. in 1986, the topic being "Impact of Diseases on Plants and their Role in Biological Weed Control". Also invited to give lectures at the Hamdard University, New Delhi, India (1989), the Faculty of Agriculture of Izmir University, Izmir, Turkey (1990), the Pacific Forestry Centre, Victoria, Canada (1993) and the Department of Bioscience & Biotechnology, University of Strathclyde, Glasgow, U.K. (1995).

Invited by Forestry Canada from July 14 to August 4, 1993 for consultation on the biological weed management in Canadian forests.

Dr. Sirajul Hasan has more than 90 research papers in the journals of repute. Dr. Sirajul Hasan is enjoying his post retirement life with his beloved wife Mrs. Annie at Paris.

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Prof. T. Rajarao

Prof. T. Rajarao was born on 30th July 1930. He did his B. Sc. from Andhra University, Visakhapatnam, AP in 1951; M. Sc. from Birla College, Pilani, Rajaputana University, Rajasthan in 1954 and Ph. D. from Allahabad University, Allahabad in 1957.

From July 1954 to September 1958 he worked at the Botany Department, University of Allahabad under the guidance of Prof. Shri Ranjan. He mainly worked on the organic acid metabolism of *Coleus aromaticus*, a succulent member of the Labiate family, for a Ph.D. degree. In addition to the above he also carried out researches on the changes in amino acid composition of virus infected plants.

From September 10, 1958 to March 1967 Prof. Rajarao worked at Indian Institute of Sugarcane Research, Lucknow in a central government junior class I post as a plant physiologist. At this institute he carried out detailed researches on the moisture

relationships in sugarcane sett and shown that in the sugarcane sett the bud can germinate and grow slowly for 2.5 months or more and produce 2 to 3 small leaves on the sett moisture itself if the evaporation of moisture from the cut ends and the intermodal surface of the sett by the atmospheric force is prevented. These studies led to the development of sugarcane transplantation technique at this institute which is being used now in crop production not only in India but in many other countries. At this institute also carried out researches on the prevention of flowering in sugarcane by defoliation technique. Also studied the effects of some growth regulating and other substance on the flowering of sugarcane.

From March 1967 to November 1975 he worked at National Botanical Research Institute, Lucknow in Scientist 'C' post. At this institute he carried out detailed research on the naturally occurring auxins, gibberellins and cytokines in the fruits of Aonla (*Emblica officinalis*) and seeded and seedless fruits of guava (*Psidium guajava*) and their roles in the fruit set and fruit development of the above. Also carried out researches on the separation of gibberellins on silicic acid and celite columns. and research on influence of Gibberella function in still culture and isolation of gibberellic acid from the cellular filtrate in crystalline form. At this institute guided two research students for Ph.D. degree.

Prof. T. Rajarao also worked at the Indian Institute of Horticulture research, Bangalore from November 1975 to September 1982, on a senior scientist post (presently called as Principal scientist) as the Head of division of Plant Physiology and Biochemistry. There he formulated the research programs in plant physiology also and carried out researches on the naturally occurring cytokinin and gibberellins and the roles played by them in the dormancy and germination of corms and cormels of gladiolus.

He took voluntary retirement in September 23, 1982 from I.C.A.R



service and went to Kenya in 1983 to work in a World Bank financed project as consultant to Kenya Sugar Authority. There he worked at the National Sugarcane Research Station, Kibos, Kisumu as a research advisor. At this Institute he formulated research programs in Physiology and Agronomy. This is the region where sugarcane is grown under rainfed conditions. At this institute he guided the staff in the physiology section in the researches on 1) the effects of sugarcane transplantation and 2) effects of climatic cycles (sequence or seasons) and 3) effects of inter-row spacings on tilling, cane growth and cane yield. He worked there up to 1986 and came back to India. He was Emeritus professor in Plant Physiology at Vasantdada sugarcane Research Institute, Manjari, Pune for two and half years from 1987-1989. At this Institute he totally involved in guidance of researches on drip irrigation of sugarcane and offering of advice guidance to cane development staff of cooperative sugar factories on crop production aspects, suggesting suitable early and mid-season and late maturing varieties to the cooperative sugar factories taking into consideration their respective agroclimatic and soil conditions of their regions. Also provided detailed date-wise varietal cane planting and cane harvesting plans to the cooperative sugar factories in north Maharashtra and Vidharbha region for improving their sugar recovery.

From 1990 to 1993 he worked as a consultant to Vasantdada Sugar Factory Sangli. He offered advice to the staff in their cane development section on crop production aspects, preparation of varietal cane planting and harvest plans and suggestion of suitable varieties for their zone.

Prof. Rajarao Sir published 25 research papers mostly in international journals like Naturwissenschaften, Experimentia, New Phytologist, Journal of Experimental Botany, Annals of Botany etc.

*Nominated as a member of the national panel of Plant Physiology and Biochemistry by the ICAR in 1982.

*Participation in National and International symposia and

workshops:

*Acted as convener of the session on growth regulators in citrus production at international symposium on citriculture by the Horticultural society of India during December 17-22 at Bangalore.

*Acted as chairman of session on Plant Physiology at the All India coordinated vegetable improvement workshop held at Tamilnadu Agricultural University Coimbatore during March 5-9, 1979.

*Acted as chairman of the session at the symposium on "Photosynthesis and Plant Productivity" held at the Indian Institute of Science, Bangalore during December 14-18, 1980 organized by the Society of Biological chemists on the eve of second FAOB Congress and Golden Jubilee meeting of the society.

Prof. Rajarao is a humble man with high academic contributions and now a days leading his post retirement life with family at Bangalore



Dr. V. P. Agnihotri

Dr. V. P. Agnihotri was born on June 20, 1937 at Hardoi in Uttar Pradesh. He had his early schooling at Hardwar and Nagina and obtained his B. Sc. (1956), M. Sc. (1958) and D. Phil. (1962) degrees from the Allahabad University. Dr. Agnihotri did his research work for M. Sc. thesis under the active leadership of Prof. R.N. Tandon on "Colletotrichum leaf spot of Pothos scandens (money plant)." For D. Phil degree, he worked under the inspiring guidance of Prof. B. S. Mehrotra on "Ecology, Taxonomy and Physiology of Aspergilli." Dr. Agnihotri was awarded Empress Victoria Readership during the tenure of his D. Phil degree.

Dr. Agnihotri started his professional career as Assistant Professor at the G.B. Pant University of Agriculture & Technology, Pantnagar and worked only for six months (July 1963 to Dec. 1963). Thereafter, he joined the Indian Institute of Sugarcane Research, Lucknow as a Junior Class-I officer. While at



the Institute, he received an attractive offer from the Botany Department, Auburn University, Auburn, Alabama, USA and joined the University as an Assistant Professor (Research) and worked on aflatoxins with Prof. U.L. Diener and Dr. N.D. Davis from July 1964 - Oct. 1965. He conclusively demonstrated that zinc is essential for the production of aflatoxins, both B1 and G1. Thereafter, he joined the Canada Deptt. of Forestry on the 15th of October and continued work up to March 1970. In Canada, he worked with Dr. O. Vaartaja, a world renowned authority on Pythia.

Taxo-ecological and physiological work on Pythia brought him international recognition. His work on Pythia is extensively referred to in the international monograph on the genus Pythium by Plaats-Niterink (1981) and in the book - Sugarcane improvement through breeding by Don J. Heinz (1987).

In 1971, Dr. Agnihotri again joined the Indian Institute of Sugarcane Research, Lucknow as Sugarcane Mycologist. At the Institute he worked as Scientist S-2, Scientist S-3 and as Principal Scientist. While working as Principal Scientist he was appointed Director (1990-1991). At the Indian Institute of Sugarcane Research, Lucknow, Dr. Agnihotri worked for about 26 years on all the three sugar crops, namely, sugarcane, sugar beet and sweet sorghum, but his major thrust was on first two sugar crops. From 1971-1997, he worked on all four major diseases of sugarcane, viz., red rot, smut, wilt and leaf scald with emphasis on epidemiology and management of diseases. He developed an effective integrated disease management system for controlling sett born diseases of sugarcane.

Dr. Agnihotri's contributions have been extensively referred to in both text and reference books, monographs, bulletins, and several review articles dealing with mycology, plant pathology, taxonomy and microbiology. His original contributions brought instant name

...Dr. V. P. Agnihotri

and fame to the Institute. Dr. Agnihotri has published 160 research papers in 45 journals (25 foreign and 20 national journals). Besides he contributed about 35 review articles for books published from India, Canada, France, Germany and USA. Dr. Agnihotri also wrote 5 books, and edited seven books, co-authored three bulletins, His lasting scientific contributions and books have been responsible for putting the Institute on the International map of sugarcane.

Dr. Agnihotri visited several phytopathological research laboratories in the USA, Canada, United Kingdom, France, Germany and Italy and has also participated in several conferences, seminars and symposia. He also travelled extensively in India to advice sugarcane growers on sugarcane and sugarbeet diseases and also as an examiner of 26 Agricultural and Traditional Universities in India. For his notable contributions in the field of Plant Pathology, Dr. Agnihotri was awarded gold medal and cash for delivering Professor M.S. Pavgi lecture at Bhavnagar in Gujarat. In 1995, he was unanimously elected President of the Indian Phytopathological Society.

Prof. Jamuna Sharan Singh

Prof. Jamuna Sharan Singh is a world renowned ecologist, academician and a former Professor of Botany and Ecological Sciences at Banaras Hindu University. He is known for his studies on the grassland ecosystems which have assisted in the better management of tropical grasslands throughout the world. He is an elected fellow of the Indian National Science Academy, Indian Academy of Sciences, The World Academy of Sciences and the National Academy of Sciences, India. The Council of Scientific and Industrial Research, the apex agency of the Science in the Government of India awarded him the Shanti Swarup Bhatnagar Prize for Science and Technology, one of the highest Indian science awards, in 1980 for his contributions to biological science.

Born on 26th December 1941 in Allahabad to Sri Vishwambher Sharan Singh and Chandrakali Devi, Jamuna Sharan Singh Graduated in Science from the University of Allahabad in 1957 and



continued at the same institution to complete his master's degree in 1959, standing first in the University in both the examinations. He later secured a doctoral degree (Ph..D.) in 1967 from Banaras Hindu University for his thesis, Dynamics of grassland vegetation, under the guidance of noted ecologists, Prof. Ramdeo Misra and Prof. Kailash C. Misra. He started his career in 1968 by joining Kurukshetra University as a lecturer and continued at the University till 1975. He was a visiting scientist at Natural Resource Ecology Laboratory of Colorado State University during 1971–74, 1981 to 1982 and 1993 to 94.

In 1974, Singh resumed his service at Kurukshetra University but moved, a year later, to School of Planning and Architecture, New Delhi as a reader in the Department of Landscape Architecture. After one year's service, he moved to Kumaon University, Nainital as a reader in 1976. His tenure at Nainital lasted till 1986. His move to Banaras Hindu University in 1984 was as a Professor where he held such positions as Head of the Department from 1991 to 1993 and as the Coordinator of the Centre of Advanced Study in Botany from 1997 till his superannuation from service in 2003. He continued his association with the University as an Emeritus Professor.

Singh's principal subject of study was grassland ecosystems with reference to their biomass relations, eco-physiology, energy flow, diversity and mathematical modeling. He is credited with the compilation of comprehensive data on different ecosystems and he is known to have proposed new eco-management strategies and resource study protocols. His researches have been documented by way of more than 405 articles, Research Gate, an online repository of scientific articles has listed around 300 of them. Besides, he has published more than 41 reports and more than 18 books some of which are prescribed in syllabus of most of the Indian Universities.

He has been a former chairman of the Research Council of G. B. Pant National Institute of Himalayan Environment and Sustainable Development, chaired the Governing Body of Birbal Sahni Institute of Palaeobotany from 2003 to 2006. He is a former member of the Special Committee for the International Geosphere-Biosphere Programme, Interdisciplinary Committee of the World Cultural Council, International Association for Vegetation Science, International Centre for Integrated Mountain Development (ICIMOD), International Council for Science (ICSU)

and the council of the Indian National Science Academy. He served the National Institute of Ecology as its Secretary General from 1982 to 1984, as the Vice President from 1994 to 1996 and as its President from 1997 to 1999. He is a former secretary of the International Society for Tropical Ecology and has held the post of the chief editor of its journal, Tropical Ecology. He was also associated with many other science journals such as *Oecologia Montana*, *Reclamation and Revegetation Research* of Elsevier, *Journal of Vegetation Science*, *Applied Vegetation Science* and *Journal of Plant Ecology* and has guided 43 doctoral scholars in their researches.

Prof. J. S. Singh, who was elected as a fellow by the Indian National Science Academy in 1984, was elected by the Indian Academy of Sciences as their fellow in 1985. The National Academy of Sciences, India followed suit in 1988 and he became a fellow of The World Academy of Sciences in 2002. He is also a fellow of the International Society for Tropical Ecology, National Institute of Ecology, Indian Range Management Society, Central Himalayan Environment Association and the Academy of Forest and Environmental Sciences and a member of the Ecological Society of America, International Association for Vegetation Science, Society for Scientific Values, Current Science Association, Indian Science Congress Association and Indian Botanical Society. He is a life member of the Indian Science Congress and presided the environmental sciences section of the 2004 congress held in Chandigarh.

He was selected for the Pitamber Pant National Environment Fellowship of the Ministry of Environment, Forest and Climate Change in 1984 and the University Grants Commission of India chose him for the Pranavanand Saraswati Award in 1985. The Indian Botanical Society awarded him the Birbal Sahni Gold Medal in 1999 and he received Prof. S. B. Saxena Memorial Medal of the Indian National Science Academy the same year. He has won the Honour of Distinction of the Society for Protection of Environment and Sustainable Development (2003) and the Lifetime Achievement Award of the AWA (2005) and has delivered several award orations including the 2009 Biodiversity Lecture Award of the National Academy of Sciences, India and the 2010 Bishambher Nath Chopra Lecture of the Indian National Science Academy.

Mob.: 9335178355

Dr. Ashok Singh

Dr. Ashok Singh was born on 27th July 1939. He did his M. Sc. in Botany in 1959 from the University of Allahabad. On September 17, 2020, we lost this retired senior IFS Officer. He was

the Director of Jim Corbett National Park. He completed his Ph. D on "The ecology of vegetation of Corbett National park" and published a much cited paper in the journal Vegetatio in 1995 (Vegetatio 120:69-80). His knowledge of forest and forest practices was unique. As a person and human being he was superb. According to his younger brother, Dr. Vikram Singh, DGP (retired) (also our Alumnus, M. Sc. 1972 batch) Dr. Ashok Singh was much more than an elder brother - a father figure, a huge protective banyan tree for the entire family.



Dr. B. N. Gupta

Dr. B. N. Gupta, in addition to being a successful field forester, has been a well-known Conservationist and Forestry scientist, who retired from the post of Director General of Indian Council of Forestry Research and Education (ICFRE), Government of India. He was born on 1st January 1939. He did his M.Sc. in Botany in 1959 from the Department of Botany, University of Allahabad. Later in 1963-65 course, he did another Post graduation AIFC (Associate of Indian Forest College) which is recognised to be equivalent to M.Sc. Forestry, where he stood 1st in Order of Merit and was awarded Honours diploma. He also bagged the prestigious Currie Scholarship and a Medal instituted by the Director, Commonwealth Forestry Bureau, Oxford along with a number of other prizes. Subsequently he did Ph.D. in Botany from Garhwal University, Dehradun in 1985 during service.

After selection in the Superior Forest Service competitive examination held in 1962, and after completing his AIFC diploma course (1963-65) from the Indian Forest College Dehradun, he joined the post of Asstt. Conservator of Forest in April in 1965 in U.



...Dr. B. N. Gupta

P. Government. Indian Forest Service was formed as the third All India Service after IAS & IPS, in 1966. He got selected in the first batch of IFS and was allocated to Punjab State where he joined again as Assistant Conservator of Forest in July 1968. From August 1970 upto May 1973 he worked as Divisional Forest Officer. He then joined FRI, Dehradun on deputation in June 1973 where he worked as Asstt. Silviculturist upto May 1978. From June 1978 upto May 1983 he worked as Lecturer at the Indian Forest College, Dehradun later converted into Indira Gandhi National Forest Academy, for training of IFS Probationers. He again repatriated back to his cadre Punjab State where he served as Conservator of Forest till July 1990. Once again he was selected by the Government of India and posted as Director of the newly established FRI called Tropical Forest Research Institute at Jabalpur. His vast experience and expertise led the Government of India to select him for the post of Director General, Indian Council of Forestry Research and Education (ICFRE) which is the apex organisation for Forestry Research, Education and Extension under the Ministry of Environment and Forests, Government of India, that post he occupied from January 1997 to April 1999. Dr. Gupta has published 77 research papers in various reputed journals. He has written 6 books and 7 brochures on various aspects of Forest Research and Forest Conservation. He has supervised 09 Ph. D.s and 24 dissertations.

He has been to a number of foreign countries like Australia (1977), Germany (1989), Thailand (1991), Australia and New Zealand (1993), Indonesia (1995), USA (1995), Thailand and Philippines (1996), Vietnam (1997), Nepal (1997), UK (1997), Rome (1997), USA and Brazil (1997), Turkey (1997), Indonesia (1997), Malaysia (1998), Thailand (1998) and Malaysia (1999) for studies and attending conferences etc. Dr. Gupta has been conferred with various honours and citations like the BRANDIS PRIZE (1978 and 1996), SCHLICH PRIZE (1986), ICFRE AWARD for Silviculture research and Forest protection (1993-94 and 1994-95) and S. K. Seth Prize (1997).

A humble man of great achievements, Dr. Gupta at present leads retired life in Lucknow with his family.

Mob.: 9453138178

Prof. Ajit Varma

Prof. Ajit Varma serves as Group Dy. Vice Chancellor and Distinguished Scientist & Professor of Eminence at Amity Institute of Microbial Technology (Amity University Uttar Pradesh) as well as Vice-Chairman, Amity Science, Technology & Innovation Foundation at Amity Campus, Noida, Uttar Pradesh. Founder President Dr. Ashok K. Chauhan has honoured him as a Miracle Scientist.

Prof. Varma did his M.Sc. in Botany in 1959 and his Ph. D. in 1964 from Department of Botany, University of Allahabad. Prof. Varma has a vast career spanning from 1963 till date. He started his academic journey as a Microbiologist (Assistant Professor & later Associate Professor) at Indian Agricultural Research Institute, New Delhi in 1963 and worked there till 1974. He then joined the Prestigious School of Life Sciences, Jawaharlal Nehru University, New Delhi as Professor in 1975 where he worked till his retirement in 2004. His third innings started at the Amity Institute of Microbial Technology (Amity University), Noida since September 2004. He is



the Founder Director of Amity Institute of Microbial Technology.

His career includes a number of assignments of Visiting Professorship & Visiting Research Scientist, at various International Institutes, some of which include:

- Department of Biochemistry, Adelaide (Commonwealth Fellow)
- NRC Fellow, USA
- DRC Fellow, Canada
- Alexander Humboldt Fellow, Philipps University, Marburg Germany)
- Technical University Tum, Muenchen (Germany)
- Max Planck Visiting Professorship (Germany)
- Technical University, Graz (Austria)
- University of Tuebingen, Tuebingen (Germany)
- Department of Biotechnology, Kingston, Jamaica
- Friedrich Schiller University, Jena (Germany)
- Zhejiang University, Hangzhou (China)
- Helmholtz Zentrum, Muenchen (Germany)
- Gutenberg University, Mainz (Germany)
- CSIC, Madrid (Spain) University of Dundee (Scotland)
- University of Ljubljana (Slovenia)
- ICGEB (Italy)
- Department of Botany and Plant Physiology, Uppsala, Sweden
- Department of Biotechnology, IBADAN, Nigeria
- National Mandela University of Science & Tech (Tanzania)

He has a number of Awards & Recognitions to his credit some of which are:

- Commonwealth Fellowship (Australia)
- National Research Council (Canada)
- Alexander von-Humboldt Foundation (Germany)
- National Science Foundation (USA)
- Indo-Czechoslovakia Exchange Programme (Prague)
- DAAD Fellowship (Germany)
- Deutsche BMFT Programme, George-August University, Gottingen (Germany)
- RAISA Fellowship for Innovative Research in Biotechnology (Italy)
- Swiss Federal Research Fellowship (Switzerland)
- BP Koirala Award (Nepal)
- DFG-INSa Fellowship, Germany

- FAMI Award, India
- Honorary Diploma, UMF, Cluj-Napoca, Romania
- Lifetime achievement Award, University of Bombay, Bombay
- Lifetime achievement Award, Jawaharlal Nehru University, New Delhi
- Special felicitation for outstanding research in the field of microbiology, JNU
- Lifetime achievement Award, Amravati University Maharashtra, presented by Dr. Pratibha Patil, President of India.

By now he has guided around 106 Ph.Ds and 1 D.Sc. He has published over 409 research articles, which appeared in National and International, journals of repute and also several major review articles and chapters in books. He has also authored 120 books in the area of Microbial Technology, published by Academic Press, London, CRC Press, Florida, USA, IDRC, Canada and Springer-Verlag, Germany.

He is the nominated Editor-in-Chief by Springer-Verlag (Germany & New York), the leading science-publishing house, to prepare volumes on Soil Biology. He was also nominated as Editor-in-Chief by IK Internationals to make series of books on Microbial and Biotechnological Research. He is the Academic Editor of 'International Journal of Plant & Soil Science'.

He is elected as well as nominated member of various Academies and Societies like the National Academy of Agriculture's Sciences, International Society of Symbiosis,

Boston, USA, Indian Science Congress Association, Amity University Research Council and ASSOCHAM.

His academic journey still continues and sets up new milestones each day.

Mob.: 9717180098

Dr. M. D. Mehrotra

Dr. Madhudas Mehrotra, retired Head, Division of Forest Pathology, Forest Research Institute, Dehradun in 1999 leading a retired life at Dehradun.

Dr. Mehrotra was born on 6th March 1939. He did his M.Sc. in Botany in 1959 and D.Phil. in 1963 with Prof. B.S. Mehrotra from University of Allahabad.

After Ph. D. Dr. Mehrotra joined as Lecture in Botany, Christ Church College, Kanpur from 1964-65, then became Pool Officer, placed at Pant Nagar University from 1965-66.

Dr. Mehrotra went to France in 1966 for higher studies in France from 1966-1969 which led to Ph. D. in Physiology & Biochemistry of fungi from the University of Toulouse & Diploma in Microbiology and Post-Doctoral Research for one and a half year at Pasteur Institute, Paris.

In 1970 Dr. Mehrotra was appointed as Senior Research Officer, Class I at Forest Research Institute Dehradun. He also did Post-Doctoral research at the University of Florida, U.S.A. in 1995. Dr. Mehrotra was a laborious and sincere scientist, he conducted research in nursery and plantation diseases of forest trees. He described 60 new diseases and worked out the management of potentially destructive ones, erected two new monotypic genera of fungi, *Tandonea* gen. nov., *Tandonea dargentiana* sp. nov. and *Searchomyces* gen. nov., *Searchomyces coprophiloides* sp. nov. and described twelve new species of phytopathogenic fungi including *Ophiostoma* (*Ceratostomella*) *himal-ulmi* sp. nov.

Dr. Mehrotra is also well known for his research in ecto- and endomycorrhizae with special reference to their impact on the growth of nursery seedlings. He was associate with the establishment of 'Mycorrhiza Banks' for raising pine seedlings fortified with mycorrhiza in the nursery and their out-planting in the field. This led to successful introduction of pines both indigenous and exotic outside their natural distribution in the

country for instance Amarkantak in Madhya Pradesh, Koraput in Odissa, Coimbatore in Tamil Nadu and Burnihat in Assam

Dr. Mehrotra published ninety research papers of which 33 papers were published in foreign journals such as *Mycologia* (2), *Flora* (1), *Sydowia* (5), *Transactions of British Mycological Society* (2), *Mycological Research* (), *European journal of Forest Pathology* (2), *Annales de Pasteur Institute* (1), *Mycopathologia et Mycologia Applicata* (10), *Phytopathologische Zeitschrift* (1), *The American Phytopathological Society*, APS Press(1)

Dr. Mehrotra authored a book entitled 'Mycorrhizae of Indian Forest Trees' published by the Indian Council of Forestry Research & Education, Dehradun which is widely circulated and liked amongst mycorrhizasts



Prof. A.K. Sarbhoy

Prof. A.K. Sarbhoy was born on June 15, 1939 at Allahabad. He did his B.Sc. (1956), M.Sc. (1959) and D. Phil (1963) from Allahabad University, Allahabad and guided six M.Sc. and ten Ph.D. Students.

He joined as Assistant Professor of Botany in Allahabad University (1962-65) and Overseas Mycologist, C.M.I. Kew, England, U.K., (1965-67).

He joined Division of Mycology and Plant Pathology, IARI, New Delhi in 1968 as Pool Officer in Herbarium and as Curator (HCIO). Later he became Mycologist (1969-72), Sr. Mycologist (1972-86), Principal Scientist (1986-97) and Professor (1997-99) in the division.



He also shouldered the responsibility of Head, Division of Plant Pathology, IARI, New Delhi.

After his retirement he joined as Emeritus Scientist (2000-03) at IARI.

His research areas include Mycology and Plant Pathology. He taught PG students for more than 35 years of his career and published more than 185 research publications in Indian and foreign journals.

He was a widely travelled scientist and had made representations in many International and National forums. He received M.J. Narasimhan Merit Academic Award of IPS and was elected as Fellow of National Academy of Sciences, Allahabad, Linnean Society, London, U.K.; Indian Phytopathological Society, Honorary Fellow of Mycological Society of India; Advisory Board Member of IPS; Vice President, International Mycological Association and also Indian Mycological Society, Calcutta and President (1993) and Chief Editor (1995-97), Indian Phytopathological Society. He has authored several books in Hindi and in English on Mycology. His monumental work on Mucorales published by CMI and five supplements of "Fungi of India" and Text Book of Advanced Mycology are few significant contributions to Indian Mycology. Prof. A.K. Sarbhoy left for his heavenly abode on August 16, 2006.

Prof. Mohan K. Wali

Prof. Mohan Kishen Wali is, since 2010, Professor Emeritus in the School of Environment and Natural Resources (SENR) at the Ohio State University (OSU) in Columbus, Ohio, USA. He joined OSU in 1990 as Director-SENR and Associate Dean, College of Agriculture. He also became a Courtesy Professor in John Glenn College of Public Affairs. Later, he served as Director of the multi-college OSU Environmental Science Graduate Program. At OSU and elsewhere with administrative duties, he continued his research and teaching programs.

Kashmir-born (1 March 1937), he received his B.Sc. from the University of Jammu and Kashmir, and his M.Sc. from Department of Botany, University of Allahabad in 1960. Soon after, he began research under the mentorship of the eminent paleobotanist and plant ecologist, Dr. G.S. Puri, Director of Central Botanical Laboratory, Allahabad (1960-61) who suggested focus on forest vegetation of Kashmir. He returned to Kashmir in 1961, became a Demonstrator in Botany at Sri Pratap College in Srinagar and was promoted to Lecturer in 1963. He continued the research begun under Dr. Puri in 1960 and published several papers.

In 1965, he was offered a Fellowship by Prof. Thorvald Sørensen, Director of Institute of Systematic Botany, U. Copenhagen. Prof. Wali recalls: "To walk in that building, Botanisk Laboratorium, where Eugene Warming, considered father of plant ecology, and author of the first textbook, *Oecology of Plants* (1909) had worked, was an awe-inspiring experience." Prof. Mogens Köie, later, Director, Institute of Plant Ecology, became his mentor. He received old European style one-on-one instruction, discussions (and probing) on ecology, physiology and soils, 4-5 days a week. He learned latest techniques and spectrophotometry in use for plant and soil and plant studies. In 1966, he moved to Department of Botany at the U. British Columbia in Vancouver, Canada to work under the mentorship of another formidable plant ecologist, Professor Vladimir J. Krajina. He spent two 4-month summers in

the boreal region, 925 km from Vancouver in northern British Columbia. First, setting up continuous microclimate-monitoring stations and then, studying and collecting field data on vegetation and soils. Back in Vancouver, in September 1969, he submitted his doctoral dissertation to the UBC Graduate School and his Research Committee chaired by Head of the Botany Department, Prof. G. H. N. Towers, FRSC. Unknown to him, the Dean had chosen Prof. Jack Major, U. California-Davis as his External Examiner. He gave the public defense of his dissertation presided by the Graduate School Dean on December 18, 1969; the Ph. D. was conferred upon him in spring, 1970.

In autumn 1969, he became an Assistant Professor in Department of Biology at the U. North Dakota in Grand Forks, USA. He found North Dakota to be a remarkably different botanical scene that he had ever seen. Closer to the ground, he found plant-soil relationships were much more complex. He and his graduate students studied many of the scant forest, abundant grassland and



wetland ecosystems that the landscape had to offer.

It was here that he built a preliminary time series of vegetation and soil chemical properties of abandoned coal mines in western North Dakota. Then in 1974, he wrote a five-year research proposal, "A Systems Approach to the Reclamation of Strip-mined Lands", that he submitted the U.S. Government for funding. In 1975, it was approved for \$1.3 million. It afforded him and his colleagues the opportunity to conduct fundamental multi-factorial studies with comprehensive data-gathering on plant communities and soil physical and soil-plant chemical data, and building simulation computer models to show how millions of hectare of drastically-disturbed lands could be brought back to long term biological productivity. He made a strong case both with state and federal government and industry leaders for include fundamental scientific concepts in the laws. He added his expertise and voice to the voice of many leaders and scientists from other states and nationally. North Dakota was leading in its passage of comprehensive law in 1976. In 1977, Surface Mining Control and Reclamation Act was passed into law by President Jimmy Carter in on August 5, 1977.

He served at the U. Dakota, Grand Forks from 1969-1982, rising in rank from Assistant- to Associate- (1974), to full Professor (1979); as Director of Forest River Biology Area Field Station (1970-83), as Director, Project Reclamation (1975-83), and as Special Assistant to the University President (1977-82). He concluded his term with an honorific role, of serving as General Chairman of the 34th Annual Meeting of AIBS - American Institute of Biological Sciences, the umbrella organization of nearly all botanical and zoological societies, jointly with Canadian Botanical Association of which Prof. Wali was Vice President that year. Over 2,000 attended the meeting.

In 1983, he accepted to serve as the Director and College Professor of the Graduate Program in Environmental Science at the State U. New York College of Environmental Science and Forestry in Syracuse. Later, he served as Professor of Environmental and Forest Biology and as Leader of the Ecology Concentration. In 1986, he was the Co-Chairman of the IV International Congress of Ecology which met for the first time in the United States and in

Syracuse. He was delighted to see a strong contingent of ecologists from India at the Congress including the well-known former GOI Secretary of Environment and Forests, Dr. T. N. Khoshoo, Professors Madhav Gadgil, J. S. Singh, K. P. Singh, P. S. Ramakrishnan, D. P. Zutshi, Over 2,200 scientists from 42 countries attended the Congress.

Prof. Wali moved to Columbus, Ohio in 1990, as detailed in the in the opening paragraph. Over his career, his contributions have been in three areas. (1) in elucidating new quantitative data and rigorous statistical syntheses on plant communities and their environmental gradients to establish the associative nature of the plant community. Such quantitative data are not only fundamental to the science of ecology but also crucial both for ecosystem restoration and conservation of biological diversity. (2) Using systems approach and simulation modeling to site-specific disturbance data in conjunction with (1) above to assure productive ecosystems long term. (3) Effects of changing atmospheric chemistry, rising CO₂ concentration and temperature on adaptations of plant species and communities. Prof. Wali has published over 100 research papers, five edited books, and one textbook (all books are reviewed in journals). His 30 book reviews have appeared in eight scientific and education journals. His work is cited besides journals, in 115 research books and textbooks. He is the recipient of one research (1975) and two teaching awards (1977, 2000). Teaching, he emphasizes, is one of his priorities. He has received the International Peace Gardner award in 1982 from Governor Allen Olson of North Dakota.

*Each year, Sigma Xi-The Scientific Research Society after open solicitations, selects 15 National Lecturers (now Distinguished Lecturers) from all science disciplines in the USA; Prof. Wali was National Lecturer for 1983-85.

*In 1986, he was elected a Fellow of the National Academy of Science, India, and

*in 1990, elected Fellow, American Association for the Advancement of Science (AAAS).

*He is listed in a number of biographical listings some of which are, the American Men and Women of Science (1971 -), International

...Prof. Mohan K. Wali

Scholars Directory (France, 1973), Outstanding Educators of America (Washington, DC, 1974). Notable Americans of the Bicentennial Era (Washington, DC 1976), Who's Who in the Midwest (1982 -), Who's Who in the World (1986 -), Who's Who in AAAS (1988), and Who's Who in America (1988 -).

*He has given many invited/keynote lectures nationally and internationally.

In India, some of these are the following:

*in 1980, as part of the 18-Member Delegation of USA led by Prof. Kenneth Boulding at the Joint Meeting of the American Association for the Advancement of Science (AAAS) and Indian National Science Academy (INSA) Symposium on the Role of Scientific and Engineering Societies in Development. Held in New Delhi, the meeting was attended by 40 countries and Observers from the United Nations.

*In 1984, thanking Governor Shankar Dayal Sharma for his very warm welcome, then presenting the Keynote Address to International Seminar of Geobotany and Environmental Biogeochemistry at Sri Venkateswara University in Tirupati;

*in 1965, invited lecture at the International Council of Scientific Unions meeting on University Curricula for Environmental Science and Education, Bangalore;

*in 1986, Address to the General Session of the Indian Science Congress, New Delhi;

*also 1986, International Symposium on Environmental Problems in Regions of Mining and Associated Activities at Jawaharlal Nehru U, New Delhi;

*in 1987, Keynote address to the IV International Symposium on Tropical Ecology, BHU, Varanasi;

*In 1988, Opening Plenary Address to the Third International Rangeland Congress, Vigyan Bhavan, New Delhi.

Prof. Debashis Banerji

Prof. Debashis Banerji's achievements are admirable. Currently he works as an Advisor of Bioscience, Baba Amte Centre for People's Empowerment, Samaj Pragati Sahayog, Bagli, District Dewas, MP. He has formerly worked as Assistant Professor in the Department of Botany, University of Allahabad. Because of his academic excellence Prof. D. D. Pant had regularized his appointment in absentia when he was in USA. Then he joined Department of Botany, CCS Meerut University, Meerut. There he was a Professor and Head of the Department. He was also a Visiting Professor at Central University of Punjab, Bhatinda.

Dr. Debashis Banerji born on 15th April, 1940, is a renowned Plant Physiologist and Molecular Biologist. He did his B.Sc. and M.Sc. from Botany Department of Allahabad University and then got his doctorate in 1966 from the same institution, for his studies on 'the role of cytokinins in plant development'. From early 1960s to 1993, he has researched on and taught these subjects at the Botany Department, Allahabad University, Allahabad; Orchard Park Labs



...Prof. Debashis Banerji

of Roswell Park Memorial Cancer Research Institute (RPMI), Buffalo, New York; Trocaire College, Buffalo, NY and Botany Department, CCS Meerut University, Meerut.

At RPMI, Buffalo, NY he did pioneering post-doctoral work on plant histones and chromatin associated nucleases in a lab which, in 1968, was one of the first to show *Agrobacterium* DNA integration into tobacco DNA for induction of crown gall tumor. During mid-nineties he was involved with theoretical and on-field aspects of GM crops, especially Bt cotton. He has presented his researches in invited lectures on Plant Transformation Technology in many Universities and Institutes including University of Cambridge, UK and MIT, USA. He has guided over thirty students for doctoral work under him on areas related to plant development and heavy metal pollution at CCS Meerut University. His researches have resulted in some valuable publications in high impact journals including *Nature*, *Plant Physiology* and *BBRC*. In November 2013, he wrote an immensely popular book 'Plant Genetic Engineering-Elements' published by Studium Press India Pvt. Ltd.

He used his academic abilities for the social welfare of Farmers in the country as well. He is one of the few to resign from Professorship and Headship to give 100% to his lab to land transfer in 1993. He could have taken leave as he was to retire in 2000. But to give 100 % he had resigned in 1993 and joined Samaj Pragati Sahayog (SPS), a voluntary organization of young visionaries, inspired by Baba Amte and dedicated to rural development through the Watershed Development Approach and people's empowerment. At SPS he has been involved with development and spread of location specific sustainable dryland agriculture packages and empowerment of farmers and village workers through its Baba Amte Centre for People's Empowerment.

Mob.: 9826839325

Prof. Vinay Kumar Rai

Prof. Vinay Kumar Rai was born on 9th April 1942. He superannuated as Professor of Botany from Himanchal Pradesh University, Shimla in 2002.

Prof. Rai joined the Department of Botany in Allahabad University to pursue graduation which he completed in 1959 and his post-graduation in Botany in 1961. He then enrolled for D.Phil. and received his degree in 1965.

Prof. Rai was fortunate to have started his career as a lecturer in his alma mater, the Department of Botany in AU where he served till 1972. His pursuit for better facilities for research took him to the western end of the country to join Saurashtra University, Rajkot, Gujarat where he worked as a Reader in the Department of Biosciences from 1973-75. His final destination was the H.P. University in Shimla from where he superannuated as Professor in 2002.

As far as his academic journey is concerned, he is a trained Plant Physiologist who started his research work under the guidance of



the stalwart like Prof. M.M. Laloraya. While doing his D.Phil., Prof. Rai worked on the basic mechanisms of gibberellin (GA) action. His work established and corroborated that GA action, in regulating longitudinal growth in plants was, primarily reversal of inhibitory action of light on longitudinal growth. GA itself did not promote longitudinal growth in plants. Back then in 1962, it was a big finding. He also showed good correlations between protein metabolism, nucleic acid metabolism and respiratory patterns during gibberellins induced growth. Role of new protein and nucleic acid synthesis in GA induced growth was further confirmed by use of specific inhibitors like chloramphenicol, 5-fluorouracil and actinomycin-D. At H P University, Shimla, his work area was primarily on basic mechanisms /aspects of physiology of water stress in plants. He worked especially on the role of amino acids (including proline) in drought resistance. His group was the first to show regulation of stomatal opening by free amino acids in plants. They also showed interactions of amino acids / phenolic compounds/ abscisic acid on stomatal opening in plant, thus confirming the significance of these compounds in drought physiology. Besides this, he also worked on physiology of seeds of trees and shrubs of Shimla district. Seed physiology, included studies on their germination patterns, dormancy, seed vigour, seedling establishment etc. His group was also able to develop a semi-quantitative method of testing seed viability and vigour. Prof. Rai has been a teacher who is loved by his students and colleagues. About twenty-one, Research scholars earned their Doctoral Degrees under his able guidance (1975 -2003). Many of them rose to Professorship, some are also retired now and some still serving for the cause of academics.

Prof. Rai may not have great awards to his name but the thing that gives him immense satisfaction, in his own words is, 'that we worked under very very limited facilities available in our Universities but could still produce original research and publish in some of the best International Journals including / such as Plant Physiology (USA), Physiologia Plantarum (Sweden), Journal of Experimental Botany, Annals of Botany, New Phytologist, Experientia, Seed Science and Technology, Biologia Plantarum, to mention a few'. Prof. Rai is enjoying his Second innings with his beloved wife Smt. Seema Rai and his two loving children

Mob.: 9805738502

Prof. Anupam Verma

Born in Delhi on 23rd July 1940 and educated at Agarwal Intermediate College, Allahabad during 1953-57, Prof. Anupam Verma joined Allahabad University in 1957 for B.Sc. and later did his M.Sc. from Botany Department from 1959-1961. He, then worked as a researcher in the department, on post-harvest diseases of fruits and vegetables under the guidance of Prof. R. N. Tandon. In 1964, he went to Rothamsted Experimental Station, UK, and obtained his Ph.D. (1967) from London University while working under the supervision of Sir Frederick Bawden and Dr. Adrian Gibbs. In 1967 itself, he joined Indian Agricultural Research Institute (IARI), New Delhi and worked there as Senior Virologist, Principal Virologist, Professor of Virology, Professor of Plant Pathology, Head, Division of Plant Pathology, Dean, Post Graduate School, ICAR National Professor, INSA Senior Scientist, INSA



Honorary Scientist and IARI Adjunct Professor (2010 to 2013); and INSA Emeritus Scientist and Advisor, ANASTU Programme of Government of India, Advanced Centre for Plant Virology, Indian Agricultural Research Institute, New Delhi, 2013 till date.

He has also served as Applied Plant Virologist FAO of the United Nations in Nigeria from 1979-81, and developed a National Horticultural Research Institute at Ibadan, Nigeria. He has been a Visiting Fellow at the Australian National University, Canberra, Australia, Scottish Crop Research Institute, Scotland, UK, and Institut national de la recherche agronomique (INRA), Paris, France.

Prof. Anupam Verma built a strong school of plant virology at IARI and made notable contributions to fundamental and applied aspects of plant virology by developing technologies and probes for quick and reliable diagnosis of viral diseases of crop plants. These developments have helped in minimizing economic losses caused by viruses. He determined the ultrastructure of several groups of plant viruses and characterized them at biological and molecular level. For the biotechnological management of viral diseases, he has developed virus resistant transgenic lines of potato, tomato, papaya and various cucurbits. He also developed several cultivars of potato and horse-radish by meristem culture, and developed effective practices for the integrated management of viral and mycoplasmal diseases of plants. He has guided 25 Ph.D. students at IARI.

Prof. Anupam Verma has a long list of awards and honours to his name, some of which include:-FAO/IAAS World Food Day Award, 1985; VASVIK Award, 1989; O.P. Bhasin Award, 1992; James Wallace Award, Int. Org. Citrus Virol., 1999; NASI: R.N. Tandon Award (2000) and; INSA: T.S. Sadasivan Award (2002) and ISCA Millennium Plaque of Honour (2006); IVS: K.S. Bhargava Award 2007; Chair, International Council of for Science Regional Committee for Asia and the Pacific, 2006-08; PNASF Gold Medal, 2009; Shanti Swarup Bhatnagar Medal, 2010, IPS: A.P. Misra

Lifetime Achievement Award, 2011, Dr. B.P. Pal Memorial Award, 2013 to name a few.

He was elected Fellow of the National Academy of Sciences (India), Allahabad, National Academy of Agricultural Sciences, New Delhi, Indian Phytopathological Society and Indian Virology Society. He was President of the Indian Phytopathological Society (1998-99), Agriculture Section of ISCA (1988-89), Biological Sciences, NASI (1993); International Society of Plant Pathology (1998-2003) (Secretary General also during 1993-98) and Chair, ICSU Regional Committee for Asia and the Pacific (2006-08); Editor-in-Chief 'Agricultural Research', the official Journal of NAAS. He is the current President of the World Society for Virology and the ex-president of the Indian Virological Society and INSA Emeritus Scientist, Advanced Centre for Plant Virology, Indian Agricultural Research Institute, New Delhi, India.

Mob.: 9810217141

Prof. (Mrs.) Kamala Kumari Pattnaik

Prof. Dr. (Mrs.) Kamala Kumari Pattnaik (1936-2019) was Professor and Head of the Department of Botany, Parija P.G. Department, Ravenshaw College (Ravenshaw University), Cuttack, She was a Member, Odisha Public Service Commission and the first Odia lady in Science stream to get a Ph.D. degree.

Late Kamala Kumari Pattnaik was born on 9th January 1936. Her father Late Udayanath Pattnaik, was a Forest Officer and mother Late Netra Pratima belonged to late legendary Biju Pattnaik's family.

Kamala Kumari Pattnaik did her M.Sc. in Botany from Ravenshaw college, Utkal University in 1959, with specialization in Plant Physiology and Biochemistry. She was a dedicated, sincere scholar of Botany. Her dedication was noticed by then famous Botanist Late Dr Prana Krushna Parija, who was an internationally acclaimed Botanist. By the virtue of her hard work, Late Dr. Parija recommended her to go to Allahabad to do her Ph.D.



She did her Ph.D. from University of Allahabad in 1962 on the topic "Tartaric Acid metabolism in Tamarindus Indica" under the able guidance of Late Prof. S. Ranjan. She discovered a new enzyme named "Tartaric recemase" from Tamarindus indica, which was published in international journal "Naturwissenschaften (German)" in the year 1960.

She was instrumental in discovering pseudomonas bacteria from aerobic soil of rice and sugarcane fields, which could degrade a poisonous pesticide – Hexachlorocyclohexane (HCH). It was highly acclaimed in many national and international journals.

She had about 31 years of teaching experience, including 12 years as Professor in Botany, Parija P.G Department, Ravenshaw college, Cuttack. Under her guidance, fourteen Ph.D. Scholars and sixteen M. Phil. Scholars had got the degree.

She has published more than 180 papers both in national and international journal. Her valuable contribution in research work was referred in a number of Indian journals as well as in some of the international journals also viz., Die-pharmazie (German). Physiologia Plantarum (Former Czechoslovakia). Physiologia Plantarum (Former Czechoslovakia). International journal of traditional Asian medicine (Australia). Appl. Environ Microbiol (Canada). Bull. Environ Contam. Toxicol (USA). Naturwissenschaften (German).

Even after retirement from government service she was actively involved in research and ten Scholars had got the Ph.D. degree from Utkal University. She carried research on Ethnobotany and Environmental Science. She worked on precious medicinal plants, especially used by tribal people of Odisha. She kept on continuing for more than thirty-five years of research on treatment of Bronchial asthma, Piles and Arthritis by identifying inherent properties of different medicinal plants, where many under-privileged and marginalized sections of the society were benefitted.

She was an author to different types of valuable books including textbooks for Degree courses in Botany.

Dr. Susheel K. Srivastava

Dr. Susheel Kumar Srivastava was born on 15th September 1943. He passed his M. Sc. in Botany in 1963 from the University of Allahabad. He did M.Phil. in 1978 and Ph.D. in 1981 from Meerut University under the supervision of Prof. Y. S. Murthy. He was Lecturer Botany at Shree Murli Manohar Town Mahavidyalay, Ballia. 16/07/1963 to 15/07/1966, Head Botany (same college) 16/07/1966 to 19/07/1968, At Bhavan's Mehta PG College, Bharwari, Kaushambi. Reader and Head Botany, 20/07/1968 to 30/06/2006. He has Published 12 Research in different journals. One Ph.D. has been awarded under his supervision. Presented Papers at Botanical Conferences. He is a Fellow of Indian Botanical Society (F.B.S.). He has retired on 30/06/2006 and leading a happy retired life.

Mob.: 9415267574



Dr. Prabhati Adaval Varma

Dr. Prabhati Varma was born on 29th December 1941. She did her B. Sc. in 1961 (Botany, Zoology, Chemistry) and M. Sc. in Botany in 1963 from the University of Allahabad. From 1963 to 1964 she was CSRI Junior Research Fellow at Delhi University. She did research on embryology of Angiosperms under the guidance of Prof. P. Maheshwari. From 1964 to 1966 did research in plant virology at Rothamstead Experimental Station in UK. from 1970 to 2004. She taught Botany at SGTB Khalsa College, University of Delhi. Currently she is a Director, A & P Green Charitable Foundation, New Delhi.

Dr. R. N. Pal

Dr. R. N. Pal was born on 15th September, 1942 at Allahabad. He did his initial schooling from Agrasen Intermediate College and C.A.V. Intermediate College, Allahabad. He did his B.Sc. in 1962 followed by M.Sc. in Botany with specialisation in Plant Physiology and Plant Pathology in 1964 from the University of Allahabad. He did D.Phil. in Plant Physiology under the able guidance of Prof. M. M. Laloraya in 1970. During doctorate, he worked in PL -480 scheme on "Effects of calcium on growth and metabolic activities of certain crop plants".

Dr. Pal started his career at the Regional Fruits Research Station, Punjab Agricultural University, Abohar in July, 1970. Later, he joined Central Mango Research Station (ICAR), Lucknow in September, 1974 as Jr. Plant Physiologist. He was promoted to the post of Plant Physiologist in 1976 and to Senior Plant Physiologist in 1982. He then shifted to Indian Institute of Horticultural



Research, Bangalore in July, 1985 and worked there for 3 years to finally join the ICAR Headquarters, Krishi Bhawan, New Delhi in August 1988 as Principal Scientist in Horticulture Division. At Headquarters, he worked as the Assistant Director General (Horticulture and Plantation Crops) for 9 years. In between, he became Deputy Director General (Horticultural Crops) for one year which is the highest position in horticulture in entire ICAR system. He retired on 30th September, 2002. He is now settled in Mumbai.

Dr. Pal has published about 70 research papers, popular and review articles in leading international and national journals. In words of his guru Prof. Laloraya " each and every page of his thesis has been published". His research work on amino acid metabolism of *Tamarindus indica* has been published in famous journal *Physiologia Plantarum*. His researches on the physiology of horticultural crops namely mango, grape, citrus and date-palms have contributed significantly on our understanding on national problems of alternate bearing and mango malformation.

Dr. Pal was very closely associated with Horticultural Society of India (now Indian Academy of Horticultural Sciences), New Delhi for 34 long years from 1974 to 2008. He was the Asstt. Editor (1974 to 1990) and Editor (1990 to 2008) of Indian Journal of Horticulture, official publication of the society. He has edited many proceedings of national and international symposium on horticultural crops including proceedings of Second International Symposium on Mango published in two volumes of *Acta Horticulturae* by International Society of Horticultural Sciences, the Netherlands. He was honoured on occasion of Golden Jubilee Symposium on emerging Trends in Horticulture, Bangalore (1993) and Platinum Jubilee celebrations of the HSI - Indian Horticulture Congress (2016) for his dedicated and outstanding services to the society for 34 years as Editor of Indian Journal of Horticulture. He is also the Fellow of Indian Academy of Horticultural Sciences, New Delhi. Dr. Pal was also member of Editorial Board of International Citrus Symposium (1977), International Symposium on Viticulture (1992), National Seminar on Sapota (1991) and Temperate Fruits (1992).

Dr. Pal has visited many countries like Iran (1995), Maldives (1998),

...Dr. R. N. Pal

Vietnam (2000), Laos (2000), Thailand (2001, 2002), Tanzania (2001), Sri Lanka (2001), USA, Hong Kong and Dubai (2002) with various government delegation for collaborative research and technology transfer.

Dr. Pal was member of many important committees:-

Board of Management of Gujarat Agricultural University, Ahmedabad and University of Agricultural Sciences, Dharwad (Karnataka). Chairman, Research Advisory Committee, Indian Institute of Spices Research, Calicut. International Network on Genetic Resources of coconut steering committee of International Plant Genetic Resources Institute, Malaysia. Country coordinator of Asian Development Bank funded project on conservation and use of native tropical fruit biodiversity in Asia. Empowered Committee of National Horticulture Board, Gurgaon. Accreditation Committee on organic farming of APEDA, New Delhi.

Functional Group ICAR- Private sector interface. Task Force on Medicinal Plants constituted by Planning Commission, Govt. India. Chairman of Subgroup on Spices of 10th. Plan on Horticulture Development by Planning Commission. Chairman, Research Advisory Committee of National Horticulture Research and Development Foundation, New Delhi

Mob.: 7208633512

Prof. G. D. Tandon

Prof. G. D. Tandon did his M.Sc. in Botany in 1965 and D. Phil. in 1970 from the University of Allahabad.

His Thesis title was Taxonomic and physiological studies of certain microorganisms. He did Post Graduate Diploma in Microbiology and Bioengineering, 1974, Osaka University, Japan, "International Post Graduate University Course in Microbiology" UNESCO Fellowship. Proficiency Certificate in German Language, 1967, Allahabad University, India and Proficiency Certificate in French Language, 1973, M.S University of Baroda, India.

Prof. Tandon was a Director (August 17 2004 - September 2005) at Dr. D. Y. Patil Biotechnology and Bioinformatics Institute, Akurdi. (an additional charge of Director held during June-August, 2006 & 2007)



...Prof. G.D. Tandon

Presently he is a Professor of Biotechnology (September 2005 till to date) at Dr. D. Y. Patil Biotechnology and Bioinformatics Institute, Akurdi, Pune – 411 044, MS, India. He is teaching Industrial Microbiology, Biosafety, Bioethics and IPR, Quality Control Management, Food Biotechnology, marine Biotechnology. Prof. Tandon was Dy. General Manager (1987 – 1995) at R&D, Hindustan Antibiotics Ltd. Pimpri, Pune, India. His Research was on Pan Lab Penicillin Project, Cephalosporin C, 7 ACA and downstream products, Polyene anti-fungal antibiotics project: Aureofungin – an anti-fungal antibiotic from *Streptoverticillium* sp.

Development: Production of Gentamicin, Streptomycin, Penicillin G, Anti-fungal antibiotics at Laboratory and Pilot Scale. Human, Veterinary and Agriculture products. The Human formulations covering antibiotics, anti-inflammatory, anti-fungal, and anti-protozoal agents in tablets, capsules, dry powder injectables, syrups, SVP and LVP.

Prof. Tandon was Head, Quality Control and Quality Assurance of drugs (1995 – 2004) at Hindustan Antibiotics Ltd. Pimpri, Pune, India. Quality Control for bulk drugs, formulations, Contract manufacturing as per IP, BP and USP and Control of regulatory affairs. He was Manager, Research and Production (1971 – 1987) at Ambalal Sarabhai Enterprises Ltd. Vadodara, India. Research: Biosynthesis of Vitamin 'C' by Microorganisms.

Prof. Tandon developed Fermentation technology for D-Fructose, Gluconic Acid/Calcium Gluconate and industrial enzymes production.

Earlier he was a Research Associate (1973-1974): Osaka University, Japan and did work on “Optimization policies of Industrial Bacterial amylase production”; Assistant Research Chemist (1969-1971) at M/s Maize Products, Ahmadabad where he worked on Product development of microbial enzyme technology and co-ordination in the commercial production of

enzymes and developed (i) Koji process and submerged process for the commercial production of bacterial amylase by isolating high yielding indigenous strains of micro-organisms, (ii) Submerged fermentation process for the commercial production of alkaline protease enzyme from the isolation of culture to the recovery of enzyme and (iii) Improvement in yields of Amyloglucosidase enzyme.

Prof. Tandon has experience in various Industrial Scale Technologies viz., Industrial Enzymes, namely

amylase, bacterial protease and fungal gluco amylase, Vitamin 'C' process, Gentamicin, Streptomycin, Penicillin G., Anti-fungal antibiotics, D-Fructose, Gluconic Acid/Calcium Gluconate, Starch Hydrolysate / Dextrose, A few biotechnological Products up to laboratory and pilot scale, Wine Fermentation and process.

Prof. Tandon is a recipient if number of awards and honours. 33 students have been awarded Ph. D. degree under his supervision. He has two patents to his credit. Patents 1. Mujawar S.K., Sudhakaran V.K., Shewale J.G., Tandon G.D. and Naik S.R. An improved method for extraction of D-Aminoacid oxidase from *Trignopsis variabilis* cells. Indian Patent application No. 386/BOM/94. 2. Deshpande B.S., Ambedkar S.S., Shewale J.G., Tandon G.D. and Naik S.R. A novel method for extraction of Glutaryl acylase from *E.coli* cells. Indian patent application No. 395/BOM/94.

He has Published 45 research papers in Peer Reviewed Scientific Journals

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Dr. H. N. Srivastava

Dr. H. N. Srivastava is well renowned name in the field of Contemporary writings in Botany. Having passed his B. Sc. In 1965 and M.Sc. in Botany in 1967 from University of Allahabad, he joined research under the supervision of Prof. M. M. Laloraya. Right from his first year in research, his writing talents found vent in form of some good research papers. One of his research paper is published in NATURE (New Biol.) 243 (128): 234, in 1973 entitled "Effect of different gibberelins on betacyanin synthesis and seedling growth". Then he joined as Senior Research Fellow of CSIR at Gujarat University, Ahmedabad (From Jan, 1972 to Dec. 1973). During this period he conducted Laboratory exercises in Summer Institute for University and College teachers. In 1974 he received his D. Phil. Degree on Thesis, "Gibberellin action and its relationship with biosynthesis of flavonoids" from Botany Department, University of Allahabad.

Then he joined C.M.P. Degree College which is an associate college of Allahabad University, as Lecturer on 7th Dec. 1974. He was a very popular teacher at the college. In 1978 he was awarded U.G.C. Individual Teachers' Research scheme funding for project entitled "Hormonal regulation of secondary thickening in commercially important root crops," for two years from Jan 1978 to Jan 1980. He was awarded National Associateship of UGC for one year from 1978-79.

In 1982, he published a text book, "PLANT PHYSIOLOGY" from Pradeep publications, Jalandhar. This book is still one of the most popular Indian books on Plant Physiology. In 1987 he published a book, "Practical Botany Vol. I" for Pradeep Publications, which was soon followed by Practical Botany Vol II. These books are by far the most popular books and are prescribed in the syllabus of almost all Indian Universities for Botany Practical. In years to

come he wrote on various aspects of Botany and all books like Bryophyta, Pteridophyta, Gymnosperms, Algae and Lichens, Fungi, Bacteria and Virus, Palaeobotany, Plant Pathology, Plant Anatomy etc are still extremely popular. He has also written books for Intermediate and High school students of CBSE and state boards. Besides books, he has a number of research papers, articles and monographs to his credit which feature in National and International Journals of highest repute. After a long and successful career as a teacher and an author, he retired on 30th November, 2011. Now he leads a retired life with his family and travels frequently to different countries.

Mob.: 9839152415



Mr. Atul Kumar Shukla

Mr. Atul Kumar Shukla was born on 20.04.1946. He is a son of Late Prof. (Dr.) S.N. Shukla, Former Dean and Head of Law Department, University of Allahabad. He did his B. Sc. (Zoology, Botany, Chemistry) in 1965 and M. Sc. in Botany in 1967 from the University of Allahabad. He joined L. I. C. of India through All India competitive examination as Apprentice Officer (Class I) in the year 1968. He occupied various positions viz., a) Middle level Management: Manager (Personal & Industrial Relations), Assistance Secretary (Organization Improvement Cell), Assistance Secretary (Marketing), Marketing Manager, b) Senior Level Management : Senior Divisional Manager, c) Corporate Level Management Secretary (Marketing); Chief (Personal/HRD); Executive Director (Mktg / International Operations /CRM / PUB. REL. / CC., d) Managing Director looking after the portfolios of – 1) Personnel, 2)Marketing/SBU-Intl. Operations/CRM, 3)Pension & Group Schemes/SBU-P&GS, 4)Public Relations & Corporate Communications, 5) Finance & Accounts, 6)Corporate Planning & Board Secretariat and retired as Chairman, L. I. C. of India in 2006.

Mob.: 9833110900



Dr. Nandita Kar

Dr. (Mrs.) Nandita Kar, is a retired Scientific Officer from IIT Kharagpur. She did her B. Sc. (1966), M.Sc. (1968) and D. Phil. (1972) from Allahabad University. She was a bright student and was recipient of National Scholarship from 1966-1968. In B.Sc. and M.Sc. she was the recipient of 4 gold medals and a cash prize.

Dr. Nandita did her D. Phil. under the guidance of Prof M.M. Laloraya and during this tenure she received the CSIR Junior Fellowship. Her D. Phil. topic was “Interaction of Growth Hormones and Flavonoids in Growth and Development”.

After completion of D.Phil. Dr. Nandita shifted to Kharagpur where her husband was a faculty at IIT Kharagpur. There she continued with a CSIR Senior Research Fellowship and later as a CSIR Post-Doctoral Fellow at Post Harvest Technology Centre. Later on Dr. Nandita received the IIT Research Associateship and in continuation she joined there as a Junior Research Officer.

She took voluntary retirement in 2007.

Dr. Nandita did work on rice, aspects of rice bran oil d wax, development of quick cooking rice and milling properties and food uses of minor millets.

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Dr. Amitabh Bhattacharya

Dr. Amitabh Bhattacharya, was born on 6th December 1947. He did his M. Sc. from the Department of Botany, University of Allahabad in 1968 and Ph. D. in Plant Physiology from Division of Plant Physiology, Indian Agricultural Research Institute, New Delhi in 1985.

Served Indian Institute of Pulses Research, Kanpur for more than 35 years and retired as Principal Scientist. During service period he was actively engaged in research, both in field as well as in laboratory, on physiology aspects in grain legumes. He also looked after the coordinated Physiological Research being conducted on different grain legume crops at different centers, spread across India. He has published research papers in Indian as well as in International journals. He has also published books in Plant Physiology both with Indian as well as with International Publishers.

Mob.: 9936583198



Prof. Sudhakar Bharti

Dr. Sudhakar Bharti was born on 22nd March 1947. He did his M. Sc. in Botany in 1968 from the University of Allahabad and Ph. D. in 1976 from Gujarat University, Ahmadabad. He was lecturer (1975-86), Reader (1986-89) and Professor (1989 to 2009) DDAV, Indore. Prof. Bharti has a vast administrative experience. He was a Chairman, Board of Studies in Life Sciences, Member, Academic Council and Dean, Faculty of Life Sciences, D.A.V.V., Indore, Member, Board of studies of several Universities, Member, Selection Committee at several Universities, UGC Nominee for monitoring SAP and COSIST programmes etc. He was engaged in active research for Thirty five years, supervised 15 Ph. D. students and published 65 research papers and completed 11 research projects. He was awarded CSIR Emeritus Scientist in 2010.

Prof. Bharti visited number of foreign countries during his academic tenure1. University of New South Wales, Sydney, Australia, 2. Carleton University, Ottawa, Canada, 3. Brown University, Rhodes Island, U.S.A., 4. Carleton University, Ottawa, Canada, 5. Brown University, Rhodes Island, U.S.A., 6. Awaji Island, Puschino, Russia.

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Dr. S. C. Chatterjee

Dr. S. C. Chatterjee was born on 23rd of January 1948. He did M. Sc. in Botany in 1968 from the University of Allahabad. He did D.Phil. in 1984 from IARI, New Delhi.

Presently he is a Honorary Advisor NDDB (National Dairy Development Board) for Quality Mustard. Earlier he was a Principal Investigator Rapseed Mustard,

Coordinated Project ICAR, Secretary- Indian Phytopathological Society for six years; Served as Director(Ad-Hoc) NRCRM Bharatpur; Served Joint Director Research IARI temporarily. He developed epidemic criteria and estimation of foliar diseases / wheat & RM. Taught Diseases of Field Crops for 15 years. Published thirteen research papers including three new races of Black Rust of Wheat. He is a Member –Advisory Panel of several institutions on Plant Pathology.

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Dr. S. N. Srivastava

Dr. S. N. Srivastava was born on 23.10. 1948. He did his M. Sc. in Botany in 1968 from the University of Allahabad. Immediately after M. Sc., he joined the Botany Department, CMP College, a constituent college of Allahabad University as a lecturer in 1969. After serving this institution for nearly 45 years, got superannuated in 2013 as Convener of the Department. Under the Faculty improvement programme launched by UGC, joined the D.Phil. programme in Botany, Allahabad University under the guidance of Prof. N. S. Parihar and got the degree in 1984. His field of research was Bryology. Besides playing the role of a committed teacher, he organized a 2 day National Symposium entitled “The Environment and its management in Allahabad, an overview” in 2001 in college campus. He also handled a 3 year major project sanctioned by UGC entitled “The liverworts and hornworts flora of Kumaun Himalaya”. He has also published more than 35 research papers in National and International journals in Bryology.

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Dr. Samuel John

Dr. Samuel John was borne on 1st January 1948. He did M. Sc. in Botany in 1968 and D. Phil. in 1987 from the University of Allahabad. He taught in the Department of Botany, Ewing Christen College, and Allahabad for decades and retired as Head, of the Department. Now he is leading his retired life with his family at Allahabad.

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Dr. Rajendra Prasad Rai

Dr. Rajendra Prasad Rai was born on 27th March 1949. He did his M. Sc. in 1969 from Department of Botany, University of Allahabad. He did his Ph. D. in 1972 from B. H. U., Varanasi. Dr. Rai served CSIR and ICAR as Research Scientist. Dr. Rai also served as Principal Scientist for 13 years from 1998 to 2011, As Head of C.P. R. S. Patna for nine years from 2003 to 2011. He has published more than 80 research papers in Plant Pathology and Seed Technology of potato. He is a recipient of Research Leadership award by ICAR in potato seed production.

Now he is leading his retirement life.

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Prof. Dibakar Mukherjee

Dr. Dibakar Mukherjee born on 24th December 1949 is a well-known plant physiologist. He did his B.Sc. in 1967, M.Sc. in 1969 and D.Phil. in 1973 from the Department of Botany, Allahabad University on the topic "Keto Acid Metabolism in Certain Plants" under the guidance of Prof. M. M. Laloraya.

His career started and took shape as a lecturer and then a Reader and a Professor, Department of Botany, Kurukshetra University. He has been a Professor since 1993. During his tenure he acted as the Chairman, Department of Botany (1993 – 1996; Aug. 2008 - Dec. 2009), the Dean, Faculty of Life Sciences (March 2006 - March 2009) and the Dean, Academic Affairs, (Feb. 4th 2009 - Dec. 2009) of Kurukshetra University.



He was appointed the U.G.C. Emeritus Fellow - (Dec. 2010 - 2012), Asutosh Mookerjee Fellow' of Indian Science Congress Association – (From April, 2016 till date).

His fields of research include:-

(a) Keto acid metabolism in plants. (b) Physiological studies on C3 and C4 plants., (c) Influence of morphactin on plant growth and development. (d) Physiological and biochemical studies during the storage of potatoes. (e) Metabolic studies of leaf, flower, pod and fruit with reference to water stress and senescence.

He has around 130 Research Papers published in various national and international journals. He has guided 14 Ph.D. and 15 M.Phil. students. He has completed 2 Major and 3 minor projects funded by UGC and ICAR.

He is a member of various Scientific Societies like Indian Science Congress Association, Indian Botanical Society, Indian Society for Plant Physiology, Society for Plant Physiology & Biochemistry, Indian Academy of Horticultural Sciences, Bangiya Vigyan Parishad, Society of Environment Management & Bioresearch, Prof. H.S. Srivastava Foundation for Science and Society, etc.

He has been conferred with many awards and Honours including Y.S. Murthy Medal for 1986 of Indian Botanical Society, AAAS (Sr.) Gold Medal for 1994 of Indian Society for Plant Physiology.

Dr. Nikhil Kumar

Dr. Nikhil Kumar was born on 16th November 1950. He did M. Sc. In 1971 from the Department of Botany, University of Allahabad and Ph.D. from Meerut University and Post-doctoral work at National Botanical Research Institute (NBRI), Lucknow. and later as Scientist. Dr. Nikhil Kumar superannuated in 2010 from the same place.

Presently he is doing research Independently. It was a chance discovery by him that fully controlled cultivation of Piper betle, a shade loving climber, native of the tropics in the Indian subtropics represents one of the many India's first in the world from ancient India (Ind. J. Hist. Sci. 34, 19-32, 1999). The phenomenon of dioecy, a reproductive trait, has also implications in biological activity and the phytochemical composition in case of P. betle and Tinospora codifolia, important cultural and medicinal plants of India.

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Dr. K. K. Khanna

Dr. K. K. Khanna was borne on 14th September 1960. He did his M. Sc. in Botany in 1972. After receiving his D. Phil. in Botany from University of Allahabad in the year 1976 under the guidance of Professor Sudhir Chandra, Dr. Khanna continued his post doctoral work till he joined BSI in 1979. Dr. K.K. Khanna was a senior Botanist at Botanical Survey of India, Central Circle, Allahabad. Dr. Khanna earned a reputation as Scientist due to his prodigious work on the role of homoeopathic drugs in the control of plant diseases. Dr. Khanna was associated with a number of Scientific societies and had been honoured with Fellowship of IPS in year 1982. He has published a number of papers and review articles in National, International journals and has authored a book "Flora of Kasturbagram, Indore". His interests were in soil microbiology, fungal taxonomy and ethnobotany. In addition, he tried to widen the scope of homoeopathic drugs in the control of diverse type of plant diseases.



Dr. Vikram Singh

Dr. Vikram Singh was born on 22nd May 1950. He did his M. Sc. from Department of Botany, University of Allahabad, Allahabad in 1972 and Ph. D. on Himalayan Ecology from Kumaon University in 1990.

Presently Dr. Singh is Chancellor of NOIDA International University, NOIDA (U.P.). Five scholars have completed their Ph. D. under him.

Dr. Singh is IPS of 1974, U.P. cadre who retired as Director General of Police in 2010.

Dr. Singh also worked as Vice-Chancellor NOIDA International University from 2010 to 2014 and Pro Chancellor in 2019.

Dr. Singh wrote number of books like (i) Ecosystem of Central Himalaya (ii) Human rights and Police (iii) Chambal dacoits (iv) ISIS – The Black Canopy of Mutual Slaughter etc.



Dr. Singh started UPSTF (Special Task Force) in 1996.

A number of awards are in his credit e.g.

- * Presidents Police Medal for Gallantry
- * Bar to Presidents Police Medal for Gallantry
- * Indian Police Medal for Gallantry
- * Bar to Indian Police Medal for Gallantry
- * President's Police Medal for Distinguished Services
- * Indian Police Medal for Long and Meritorious Service
- * Kathin Seva Medal
- * Bar to Kathin Seva Medal
- * Human Rights Commission awarded the book "Human Rights and the Police"
- * LIMCA Book of Records 2014 says "Vikram Singh is the most highly dedicated Police Officer in India"

Mob.: 9919266666

Dr. Jagadish Kumar

Dr. Jagadish Kumar was born on 24th October 1950. He did his M.Sc. in Botany in 1973 from the University of Allahabad. He did MA in English from Andhra University. Presently he is a NEET faculty at Visakhapatnam. Earlier he was a Lecturer in Botany in degree college, Andhra Pradesh. He is an author of EAMCET Medical books and recipient of Best teacher award.

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Dr. Bharat Murti Mehrotra

Dr. Bharat Murti Mehrotra was born on 3rd August 1952. He did his M.Sc. in Botany in 1974 and D. Phil. in 1980. He has also obtained degree of MA in Economics. Dr. Mehrotra was Superannuated in Aug 2012 and leading a retired life. Previously he served as Assistant Marketing Adviser, Ministry of Agriculture and Farmers welfare Govt. of India for 32 years.

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Dr. R. B. Srivastava

Dr. Ravi Behari Srivastava, served for 36 years in Defence Research and Development Organisation (DRDO), Ministry of Defence, Government of India as a scientist and administrator.

Dr. Srivastava was born on 23 February, 1955. He did his M.Sc. in Botany in 1974 from University of Allahabad and Ph.D in Botany (awarded in 1981) from Kumaon University under Dr. B. S. Mehrotra, Prof. in Botany at Allahabad University subsequently V.C. at Kumaon University and had a Certificate of Proficiency in German language from Allahabad University.

During his 36 years of tenure in Defence Research and Development Organisation (DRDO), he had varied experiences comprising following subject areas:

1. Marine Biology for Naval applications
2. Materials Biotechnology for Aerospace applications
3. Environmental and Biological assessment of Military structures and stores
4. R&D on water purification technologies for Armed forces



5. High altitude agriculture, plant biodiversity and herbal product development for troops in extreme environments

6. Food, Health and Energy security for both Armed forces and Civil sector

Through R&D Dr. Srivastava developed the technologies related to human health, hygiene, environment and agriculture by exploring judiciously local resources. His R&D efforts towards improving quality of drinking water, development of herbal eco-friendly products and exploring potential traditional knowledge related to plant biodiversity through conceptualization and implementation of a unique panchtatwa model involving scientist, soldier and society resulted in civil military cooperation in the strategic north-eastern and trans-himalayan regions (J&K sector).

As Director of Defence Research Laboratory in Tezpur(DRL) and Defence Institute of High Altitude Research (DIHAR) his research work has immensely benefitted the well being of local troops and socio-economic upliftment of local population. As Director, Directorate of Life Sciences DRDO Headquarter, New Delhi, he was instrumental in preparing Business Plan of Life Sciences cluster of DRDO and fostered interlab collaborations for tangible and non-tangible deliverables to the Armed forces.

Dr. Srivastava has more than 150 national and international publications, 53 book chapters, edited 4 books, 17 patents, 2 design registrations, 1 copyright, 8 gene accessions and 22 technology transfers to industries to his credit with following awards:

1. DRDO Laboratory Scientist Award in 1999 and 2000
2. DRDO Scientist of the Year Award, 2008 by Defence Minister of India
3. CAIRD Award of CSIR, 2010 conferred by Prime Minister of India
4. NESF Fellowship Award, 2012 by Dr. Kasturi Rangan, Member of Planning Commission

...Dr. R. B. Srivastava

5. Gem of India Award, 2012

6. Limca Book of Records, 2013

Dr. Srivastava chaired many sessions in National / International seminars in India, Referee for Research Papers in Journal of Marine Sciences, Ph.D. examiner in Delhi, Amity, Punjab, Cochin and Marathwara universities, Member of expert committee of SERB-DST on Food Processing, Member committee on long term perspective planning for DRDO, Life member in Society of Mycology and Plant Pathology, Bioresearch Society, Association of Microbiologist, Academy of Environmental Biology, Indian Association of Aquatic Biologist, Electron Microscopic Society of India, Society for Polymer Sciences, Materials Research Society and Vice- President in International Council of Biodeterioration of Cultural Property (ICBCP).

Presently associated with Food Safety and Standards Authority of India (FSSAI), Ministry of Health and Social Welfare, Government of India in following capacities:

1. Chairman Scientific Panel on “Spices and Culinary Herbs“
2. Member in Scientific Panel on “Fruits and Vegetables and Allied Products”
3. Member Scientific Committee FSSAI

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Prof. CKM Tripathi

Prof. CKM Tripathi was born on 1st July 1953. He did his M.Sc. in Botany in 1974 from the University of Allahabad. . Joined Fermentation Technology Division, CSIR-CDRI in 1978 and currently engaged in various research activities related with medicinal/industrial microbiology, Fermentation Technology, primary and secondary metabolites, enzymes, antibiotics, drug intermediates, bioactives, molecular taxonomic characterization of microorganisms and microbial ecology as evidenced by the publications. Served CDRI for 35 years at various R&D Scientific positions. Joined Sri Ramswaroop Memorial University, Lucknow, in September 2013 after superannuation from CDRI in June 2013. Obtained Ph. D degree in Botany from Banaras Hindu University in 1982 on the topic entitled “Investigations on river Ganga to



...Prof. C K M Tripathi

determine Biological Indicators of Water Quality'. Prof. Tripathi has published more than 80 research papers and 52 research papers were presented in Conferences. He has 1 patent to his credit. One technology has been transferred for L-Epedrine production. 7 JRF/SRF have been awarded Ph.D. under his guidance and 4 are working. Prof. Tripathi has 40 years of Research/Teaching experience. He was Deputed to King's College, University of London (6 months) to work with Prof. S. J. Pirt, Department of Microbiology, under Indo-British collaboration Program (November 1985 - May 1986) and availed short term DBT Overseas Associateship (3 months) to work at Quebec University, Quebec Canada (April 1999 - June 1999). Prof. Tripathi worked in detail on Microbial screening for novel biologically active strains/metabolites; taxonomic characterization of the microbes; activity guided fractionation, purification and structure elucidation of the active molecules; production, media optimization, scale-up, modeling and bioreactor process control studies; biocatalytic conversion of substrates like benzaldehyde, steroids to drug intermediates.

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Dr. Rakesh Kumar Pandey

Dr. Rakesh Kumar Pandey was born on 25th June 1955. He did his M.Sc. in Botany from University of Allahabad in 1975 and did his Ph. D. from Banaras Hindu University in 1980. He has 39 years of experience in Research, Training and teaching. He served as coordinator of training Programme, of Integrated Skill Development Scheme at Regional Sericultural Research Station, Jammu. Also served as an academic counsellor for I.G.N.O.U. at Jammu. Trained 526 farmers and 156 Officials of J&K Sericulture Development Department on various aspects of Sericulture. Superannuated in 2015 as Joint Director, Central Silk Board, Govt. of India. Dr. Pandey has published 112 research papers in various journals of repute. He is recipient of several awards including Silver medal for Second position in M.Sc. in Allahabad University in 1975.

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Prof. Pramod Kumar Srivastava

Prof. Pramod K. Srivastava, an accomplished leader in basic and translational research, is the director of the Carole and Ray Neag Comprehensive Cancer Center, School of Medicine, University of Connecticut, USA. He is a Professor and interim Chairman of the Department of Immunology, Director of the Center for Immunotherapy of Cancer and Infectious Diseases, and part of the leadership team of the Connecticut Institute for Clinical and Translational Science (CICATS). He holds the Ever source Energy Chair in Experimental Oncology. He has earned international acclaim for his ground-breaking work in the immunological function of heat shock proteins and in cancer immunology, and is widely published in scholarly journals and



serves on editorial boards for several major journals in immunology.

Dr. Srivastava has had continuous research support from the NIH for more than 25 years. He was a member of the NIH Experimental Immunology Study Section and several study sections of the U.S. Department of Defense. He has been a member of the Scientific Advisory Council of the Cancer Research Institute since 1995. In 1997 he was inducted into the Roll of Honour of the Union Internationale Contre le Cancer and became a founding member of the Academy of Cancer Immunology. Dr. Srivastava is an inventor on over 200 awarded patents and has cofounded a number of biotechnology companies, including Antigenics (AGEN), Ikonisys, and Life Science Pharmaceuticals.

Born on August 16th, 1955, Prof. Srivastava did his B.Sc. in 1973 and M.Sc. in 1975 from the Botany Department of Allahabad University, with a specialization in Palaeontology under Prof. Divya Darshan Pant, securing First Division with First Rank. In 1979, he did a Post-Graduate Diploma in Microbiology & Biotechnology with specialization in yeast genetics under Professor Yasuji Oshima from Osaka University, Japan. He did his Ph.D. in Biochemistry in 1984, under the guidance of Dr. M. R. Das from Osmania University (Centre for Cellular & Molecular Biology), Hyderabad where he also got his first appointment.

He was appointed as Scientist 'C' in Center for Cell & Mol. Biology (CCMB), Hyderabad in 1983 but left his job in 1984 to do his Post doctorate from Yale University, New Haven, under Prof. A. Garen and as a Research Fellow in Sloan-Kettering Institute for Cancer Research, New York, (1984-88), under Prof. Lloyd J. Old. He then, joined as Assistant Professor in Department of Pharmacology, Mount Sinai School, New York in 1988 and worked there till 1993.

...Prof. Pramod Kumar Srivastava

Further he worked as Associate Professor (1993-1996) and Professor (1996) of Immunology, Department of Biological Sciences, Fordham University, Bronx.

He was then nominated as the Physicians Health Services Chair in 1997 and the Director, Center for Immunotherapy of Cancer & Infectious Diseases, University of Connecticut, Director, University of Connecticut Cancer Center, (1998-2001), Chairman, Department of Immunology, University of Connecticut, (2001- 2003), Director, Carole and Ray Neag Comprehensive Cancer Center, 2008-2011 and now EverSource Energy Chair in Experimental Oncology, School of Medicine, University of Connecticut (2011 till date). Meanwhile he also did his MD in 2008 from University of Connecticut School of Medicine, Farmington, CT.

He is the Associate Editor, Human Vaccines, 2005 - now Associate Editor, Journal of Immunology, 2003 – 2005, Member of Editorial Board, Tissue Antigens, 2001- now, Section Editor, Inflammation and Immunity Section, Cell Stress and Chaperones, 2000 -2006, Editorial Board, Cellular Immunology, 2000 – 2004, Deputy Editor-in-Chief, Cancer Immunity, 2000 – 2012, Member of Editorial board, The Open Immunology Journal, 2009 – now, Senior Editor, Cancer Immunology Research, 2013- now and Associate Editor, Experimental Hematology and Oncology, 2012- now.

His has been the recipient of a number of awards which include:-

Merit Scholar, Government of India, 1969 Indian Council of Agricultural Research Award in Plant Physiology, 1973 Gold Medal from University of Allahabad, 1975 UNESCO International Studentship in Microbiology, 1978-1979 John Hans & Edna Alice Old Fellowship, Cancer Research Inst, NY

1984-1986 First Independent Research Support and Transition Award of NIH, 1987 Irma T. Hirshl Award, 1989 Investigator Award of Cancer Research Institute, New York, 1989. Mildred Scheel Lecturer at the International Conference on "Hyperthermia in Clinical Oncology", Munich, Germany, 1993 Listed in International Directory of Distinguished Leadership, American Biographical Inst and many other Who is Who's

He has been the Member of prestigious international organizations like:-

Member, Experimental Immunology study section, NIH, 1994 - 1999. Member, Scientific Advisory Council, Cancer Research Institute, New York Sigma Tau Foundation Lecturer, University of Rome, Italy, March 1997 UICC (Union Internationale Contre le Cancer) Roll of Honor; inducted 1997 Founding Member, Academy of Cancer Immunology, New York, 1999 Klaus Irmscher Lecturer, Wistar Institute, Philadelphia, PA, 2000 Chair, (with M. Albert) Gordon Research Conference on Cross-priming, 2007 Elected to National Academy of Inventors (NAI) 2015 Neag Medal of Honor, University of Connecticut, 2016

Prof. Srivastava is continuously engaged in new researches on Cancer. A big salute to our alumnus for his untiring efforts in eradication of this deadly disease.

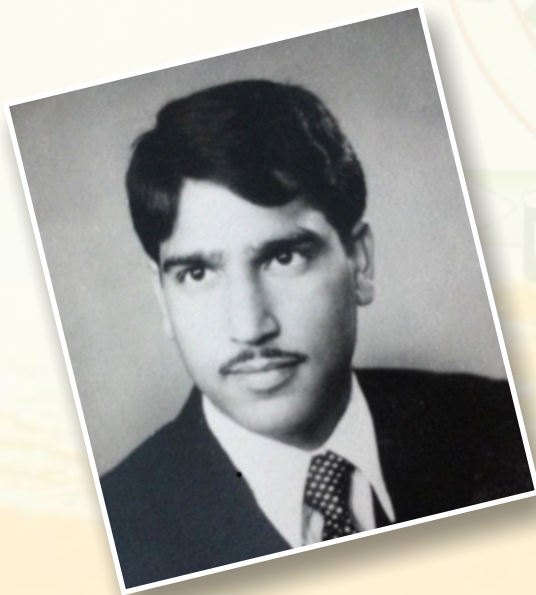
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Dr. G. M. Rabbani

Dr. G. . Rabbani was born on 28th February 1956. He did his M. Sc. in Botany in 1975 University of Allahabad. He got enrolled as D.Phil. student in the University of Allahabad where he worked there for more than 3 years, published research papers and submitted the thesis for the award of Ph. D. in the Kumaon University under Prof. B. S. Mehrotra, then the Prof. and Head, Botany Department, Kumaon University. Dr. Rabbani worked in Government of India, Ministry of Agriculture for 29 years (1981 to 2001). He was Certified International Food Safety Auditor NSF foundation Michigan, USA. He is an approved Microbiologist and quality Assurance Coordinator, American Industrial Hygiene

Association (AIHA), USA. He was a visiting scientist in University of Toronto (Canada) /Royal Ontario Museum Department of Molecular Taxonomy of Fungi for one year. He was Manager and Quality Assurance Coordinator , Microbiology Laboratory in STAT Analysis Corporation, Chicago, Illinois, USA. He was faculty and Quality Assurance Coordinator in the College of Medicine, Northern Border University Arar, Saudi Arabia. Dr. Rabbani devised a technique to shorten the period of detection and identification of hazardous nironmental molds from fifteen days to few hours with full accuracy. He analysed air flora of mid west United States for better understanding of their impact on human health.

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Dr. Anup Kumar

Dr. Anup Kumar was born on 13th December 1952. He did M. Sc. in Botany in 1975 and D. Phil. in 1982 from the University of Allahabad. Presently leading life in Delhi. He retired as CSIR Employee (CIMAP) (Central Institute of Medicinal & Aromatic Plants), where he served as a Scientist from 1980-2006 in Information & Bioinformatics Department. In 2006, switched over to academics by opting VRS. Served IET, IEM as guest faculty lecturer.

From 2008 - 2018, served Lucknow University as Professor in Department of Renewable Energy, taught M.Sc and B.Voc. He Supervised three students during their PhD and two M.Phil in Biotechnology/ Environment. He attended and delivered number of lectures on different platforms on medicinal and aromatic plants and Environmental problems. Dr. Anup was an Editor of Journal of Medicinal & Aromatic Plant Sciences from CIMAP for 26 years.

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Smt. Stuti Narain Kacker

Smt. Stuti Narain Kacker is the first lady IAS officer of the Department of Botany (UP-1978). She retired from the Indian Administrative Services in December 2014 and thereafter did a 3 year term as Chairperson, National Commission for Protection of Child Rights. Presently, Mrs. Kacker is Chancellor, Swami Vivekanand Subharti University, Meerut, U.P.

Mrs. Stuti Narain is the daughter of Allahabad's renowned physician late Dr Jagat Narain . She did her B.Sc. in 1974 from University of Allahabad and M.Sc. in Botany (Cytogenetics) in 1976. She was awarded five gold medals for her academic achievements by the University of Allahabad. She also did M.Phil. (Social Sciences) with distinction, from the Indian Institute of Public Administration (Panjab University), New Delhi. She has also attended mid-career trainings at the Harvard Kennedy School, USA; Linkoping University, Sweden; and the Institute of Development Studies, UK.

With a career spanning almost forty years in public administration, Smt. Kacker has worked extensively in the areas of social justice and empowerment, information and broadcasting, and industrial development.



... Smt. Stuti Narain Kacker

She is particularly well known for her contributions to the social sectors, including the protection of rights of children and persons with disabilities. As Secretary to the Government of India, she established the Department of Empowerment of Persons with Disabilities, under the Ministry of social Justice and Empowerment, Government of India. Under her leadership, the Department's innovative "Niramaya Scheme" (Health Insurance Scheme for Persons with Autism, Cerebral Palsy, mental Retardation and Multiple disabilities) was awarded the Times of India Social Impact Award in 2009.

From 2006 to 2009, Smt. Kacker served as Joint Secretary and then as Additional Secretary in the Ministry of Information & Broadcasting and also as the Director of the Indian Institute of Mass Communication (IIMC). She was the key driver for the formulation and implementation of several policy measures to strengthen the media industry in general and IIMC in particular. As a result, in 2009, IIMC was ranked by 'Outlook' as the number one institute for Mass Communication in the country. She has also served as Secretary Board for Reconstruction Public Sector Enterprises, Ministry of Heavy Industries.

Smt. Kacker has also worked extensively in her State of Uttar Pradesh on important assignments such as Commissioner of Jhansi; Commissioner and Director of Industries; District Magistrate of Ghazipur etc.

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Mrs. Kanchan Sah

Mrs. Kanchan Sah was born on 8th May 1955. She did her M. Sc. in Botany in 1975 from the University of Allahabad. She also did LT in 1977 from Allahabad. She is a home maker and loves painting, knitting, trekking and travelling.

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Mr. Sanjay Srivastava

Mr. Sanjay Srivastava was born on 20th April 1957. He did his M. Sc. in Botany, in the year 1976 from the University of Allahabad. Before joining IAS in 1980, he also did his graduation in Law from Allahabad University. He had an opportunity to serve in the field in a North East state, followed by mid-level posting in the Health Ministry and Delhi Administration. Later he worked in Food, Regulatory and Public Utility Departments. In senior level he was posted as Chief Secretary, Goa and Chief Secretary Delhi. In urban Affairs he got an exposure as Vice chairman DDA and finally as the SECRETARY in various Ministries in the Government of India. Presently he got an assignment as State Election Commissioner Delhi and Chandigarh, and live in Chanakyapuri in Delhi.

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Mr. Gyan Prakash Srivastava

Mr. Gyan Prakash Srivastava was born on 24th June 1956. He did his M.Sc. in Botany in 1975 from the University of Allahabad. He did LLb and presently he is an Advocate.

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Prof. Sunil Kumar Chaturvedi

Prof. Sunil Kumar Chaturvedi, was born on 10th July, 1955 in Mainpuri district of Uttar Pradesh. After obtaining B.Sc. and M.Sc (Botany) degree from Allahabad University in 1974 and 1976 respectively, Professor Chaturvedi obtained D.Phil. degree in Botany in 1984 from Allahabad University, under the able guidance of Professor D.D. Pant, FNA, F.N.A.Sc.. He was selected as young Scientist of Department of Science and Technology, Govt. of India from 1985 to 1987 and 1988 to 1990. In 1996 appointed as Research scientist of DST, Govt. of India, New Delhi and in 1997 he was invited to join the post of Reader in the Department of Botany, Nagaland Central University, Lumami, Nagaland, where he established the Department of Botany. He was promoted as Professor of Botany in the year 2007. In the year

2012 he joined Guru Ghasidas Vishwavidyalaya, (A Central University) as Professor of Botany on lien for three years and taken over as Dean Life Sciences in 2013. In November 2015, he returned back to Nagaland University as Professor of Botany and in February 2016 he was appointed as Dean, Research development and Consultancy (Dean, RDC) in Nagaland University, Lumami. In the year 2009, Dr. Chaturvedi was appointed as Dean, Student welfare, Nagaland University, Lumami.. He is Fellow of six Scientific Societies (FBS, FBRs, FIAT, FBSA, FISPRB, FEHST) and life members of twelve National and International scientific Societies including Indian Botanical Society and Indian Science Congress Association. He has Completed eleven Research Projects , Participated in 88 National and International Conferences and presented research Papers. He has been Invited to deliver lectures during National and International conferences/ symposiums/ Seminars / workshops, and Refreshers/ orientation courses in various Indian and foreign Universities. He was conferred with the best paper Presentation award during “International Symposium on Conservation and Management of Pollinators for Sustainable Agriculture and Ecosystem services” held at National Agriculture Science Complex, PUSA, New Delhi, India, held from September 24 to 26, 2014. In March 2018, invited to deliver Professor R.P. Singh memorial lecture at Botanical Survey of India, Eastern Circle, Shillong (Meghalaya), during the Annual Conference of EHSST held from March 8-9, 2018. He has published 65 research papers in National and International Journals, 21 research papers in edited books, 3 popular articles and 90 abstracts. Published one book based on PG syllabus of Botany, Nagaland University and collaborator in two books entitled “Herbal wealth of North-East India”, A pictorial and Herbaria guide , and Database and Appraisal. For his contributions in the field of Flora biology/ Pollination biology of Indian Asclepiads and Orchids, Dr. Chaturvedi was conferred with five Gold Medals, including Y.S. Murthy award medal 1991 and Professor S.C. Maheshwari medal 2016, of Indian Botanical Society. So far six students have been awarded Ph.D. degree and



...Sunil Kumar Chaturvedi

eight students are enrolled for Ph.D. degree under his supervision. He was elected member of sectional committee of "Plant Sciences" of ISCA for 2004- 2005. He was Nominated member of SSC (IUCN) from 2009-2012. He was Head, Department of Botany and Chairman of BPGS and BUGS, Nagaland University for 10 years 3 months and HOD, Botany at GGV, Koni, Bilaspur for 3 years. He was Coordinator SAP- DRS I & DRS II from 2004-2009 and 2009-2012 respectively, at Nagaland University Lumami. Dr. Chaturvedi was appointed Director, IQAC, Nagaland University, Lumami, from 2011- 2012. He was Director, centre for Biodiversity study, Nagaland University, 2005 -2010. He was appointed Nodal officer of AYUSH for Nagaland state in 2009. He organized three workshops on local healing practices in Nagaland, so as to bring together the local healers (Kobiraj) of various tribes of Nagaland state and formed Traditional Healers Association of Nagaland. He was appointed Group leader of Botany for DBT BUILDER programme berth Rs. 4.68 crores, at GGV, Koni, Bilaspur (CG). Time to time worked as VC in-charge Nagaland University. His field of research is Conservation and Reproduction biology of Plants with special emphasis on Pollination Biology. He is the first Indian to work on Pollination biology of Orchids of North-East India. He is pioneer in the field of studies in Pollination biology of Indian Asclepiads and developed a video film on pollination of Indian Asclepiads. He is former Professor and Head, Department of Botany and Dean, Research development and consultancy of Nagaland University, Lumami, Nagaland (India). In 2020 he was elected Sectional President for the section of Plant Sciences, 108th ISCA Conference to be held at TM Nagpur University, Nagpur from January 3 to January 7, 2023.

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Dr. V. N. Dhaulakhandi

Dr. V. N. Dhaulakhandi was born on 17th September 1953. He did M.Sc. Botany in 1976 with specialization in Morphology and Anatomy under Dr. D. D. Nautiyal. Immediately after passing M.Sc. he joined, Jawahar Bal Bhawan, Allahabad. During 1982 he joined his present Organization - Birla Science Centre at Pilani, Rajasthan. This organization is the first Science and Technology Museum of the Country established in 1954.

Dr. Dhaulakhandi did his In-Service Diploma in Museology (Museum Science) from National Museum, New Delhi. Later he completed his Ph. D. Degree from Birla Institute of Technology and Science (BITS), Pilani, Rajasthan. His Topic of Research was "Visual Communication in Science Museums" with core areas covering Light, Colour and Space (area size). Presently he is Heading Birla Science Centre as Director since 1998. He feels proud to be associated with Botany Department, Allahabad University for one more reason i.e. , his Father Late Shri S. N. Dhaulakhandi was also Alumni of this Department. Dr. NS Parihar & Dr. BS Mehrotra were his batchmates in M.Sc.

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Dr. M. P. Rai

Dr. M. P. Rai was born on 10th October 1954. He did his M. Sc. from Department of Botany, University of Allahabad in 1976. Dr. Rai also did AIFC (Associate of Indian Forest College, equivalent to M.Sc. in Forestry). Dr. Rai is leading a retired life after serving the Govt. of India.

Dr. Rai joined Indian Forest Service in 1980 and served Punjab State and Union Government in various capacities viz., Managing Director, Punjab State Forest Development Corporation; Chief Wildlife Warden of Punjab State; Forest Economist in Forest Research Institute, Dehra Dun before retiring in October 2014 as Principal Chief Conservator Of Forests and Head of Forest Force (HoFF), Punjab.

Chaired a Committee set up by the Punjab Govt. to study and recommend Royalty Rates of various forest species in Punjab. The recommendations were implemented by the govt. resulting into many fold increase in the forest revenue.

Gardening and bonsai making is his post-retirement hobby.

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Mr. Daya Shankar Sharma

Mr. Daya Shankar Sharma was born on 1st November 1954. He did his M. Sc. in Botany in 1976 from the University of Allahabad. He did LLB in 1989., PGDM, 1996, from the University of Allahabad and CAIIB in 1995 from the Indian Institute of Bankers and Certificate of Examination in Hindi in 1982. He retired from State Bank of India as Officer, office Corporate Mumbai.

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Mr. Avinash Dave

Mr. Avinash Dave was born on 1st May 1957. He did his M. Sc. in Botany in 1976 from the University of Allahabad. He also did M. Sc. in Chemistry (Organic). He has specialization in Material Management and Industrial Relation and personal management. Presently he is Chief Operation Officer in Priyanksh Trading Co. Pt. Ltd. Earlier he was a Senior General Manager – Supply Chain/Purchase in Banetton India – UCB (United Colours of Benetton). He was Head of Supply Chain – in Strategic Partner – Neopack of HUL, Lackme brand – Cosmatic division. He is a social worker in Ghaziabad.

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Mr. Kailash Chandra

Mr. Kailash Chandra was born on 12th November 1955. He did M. Sc. in Botany in 1976 from the University of Allahabad. He has retired as the Senior Manager from Regional Rural Bank.

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Prof. Rakesh Verma

Prof. Rakesh Verma was born on 16th June, 1955. He did his B.Sc. from Agra University in 1974, M.Sc. in Botany from Allahabad University in 1976 and Ph.D. from Jodhpur University in 1982. Prof. Verma was Lecturer in the School of Studies in Botany, Vikram University, Ujjain, M. P. from Nov. 1988 to March 1992, Reader from March 1992 to March 2000, Professor from March 2000 to June 2020 and Head of the Department from Nov. 2009 to June 2020, till his superannuation.

Prof. Verma has more than 40 years of teaching experience at Post Graduate level. He taught Botany, Cytogenetics, Genetics, Molecular biology, Plant Breeding, Biotechnology, Sericulture, Microbiology etc.

Prof. Verma held a number of positions in Vikram University such as the Vice Chancellor (Aug. to Dec. 2013), Dean, Faculty of Life Science, Director, Internal Quality Assurance Cell, Co-ordinator :



NAAC Steering Committee, Chairman, Board of Studies in Botany, Microbiology, member of Selection Committees at PSCs, Universities and colleges.

He has more than 40 years of research experience in Cytogenetics, Genetics, Breeding and Biotechnology of economically important plants like, Crotalaria, Phlox, Morus, Vicia, etc. (see Publications), and some aspects of molecular biology of Arachis sp. He has supervised 15 Ph. D. students as well as 40 M. Phil. students. He was Co Author of IGNOU 'Genetics & Biotechnology' course and published more than 100 research papers in the international journals of repute. He presented research papers at various scientific meetings including the Conference 'Botany 2002' held at the University of Wisconsin Madison (USA) in Aug. 2002. And also at Kathmandu (Nepal). Prof. Verma was the President of the Society of Cytologists & Geneticists, Bangalore during 2018 - 2022. He is recipient of Department Of Biotechnology National Associateship 1999 – 2000, that he availed at Lab. of Cell & Mol. Cytogenetics, Deptt. of Botany, University of Delhi.

Prof. Verma handled a number of research projects funded by CSIR, New Delhi, 1990 - 1993; UGC, New Delhi, 1991 – 1993; M. P. C. S. & T., Bhopal (M. P.) 1995 – 1998; M.P.C. S. & T., Bhopal (M.P.) 2001 – 2004; U.G.C., New Delhi, 2002 – 2007; M.P.C. S. & T., Bhopal (M.P.) 2010 – 2012 and DBT, New Delhi 2015- 2018.

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Dr. Dina Nath Srivastava

Dr. D. N. Srivastava was born on 1st January 1957. He did his M.Sc. in Botany in 1976 from the University of Allahabad and D. Phil. in 1983. He served in Indian Forest Service from 1984 to 2016. Now enjoying life as it is.

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Dr. Indra Kala Palini

Dr. Indra Kala Palini did her D. Phil. in Botany in 1976 from the University of Allahabad. She did her D.Phil. under the guidance of Prof. B. S. Mehrotra on a topic “Studies on the microflora associated with wheat grains and various milling fractions”. She had been active in academics and made significant scientific contributions. She is leading her life at Hyderabad.

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Dr. Nityanand Dubey

Dr. Nityanand Dubey was born on 22nd July 1955. He did his M. Sc. in Botany in 1976 from the University of Allahabad. He did LLB as well as M.B.B.S. He is a very well-known General Surgeon and own a hospital in Allahabad, Anand Hospital.

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Mr. Vinay Kumar Srivastava

Mr. Vinay Kumar Srivastava was born on 4th February 1956. He did M. Sc. in Botany in 1977 from the University of Allahabad. Having completed Post graduation got selected for Forest Ranger Examination UP. PSC and rendered his services in Uttar Pradesh Forest Department and retired from the post of Wildlife warden of Katarniya Ghat wildlife sanctuary Braich Uttar Pradesh. Presently he is leading a retired life. Being in forest Department and for most of the time being posted in Tarai belt of UP. & Uttaranchal Forest faced many challenges for conservation of reserve forest like saving it from illicit felling of trees, encroachment on forest land and pouching of wildlife in which I have successfully combatted the forest mafias to save our valuable treasure.

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Mr. Chaitanya Narayan

Mr. Chaitanya Narayan was born on 15th March 1957. He did M. Sc. in Botany in 1977 from the University of Allahabad. He also did Superior Forest Service Diploma. He got selected in State Forest Service in 1980-82 batch, Later on promoted to Indian Forest Service with 1990 year of allotment. Worked throughout in UP Cadre. Retired from Service in 2017. After retirement Mr. Narayan is enjoying life, doing farming at his parental agricultural land, pursuing hobbies like Home gardening, Book reading and Traveling various tourist destinations inside and outside India. In a career of 37 years, he worked in the capacity of wild life warden, Divisional Forest Officer, Conservator of Forests and Chief Conservator of Forests in various forest divisions and Forest Circles of Uttar Pradesh including Uttarakhand (undivided UP). He also worked in the field of Social Forestry, Territorial Forests, wildlife and Watershed Management. He is a recipient of State level Award from Honourable Governor of UP in 2001, for outstanding performance.

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Mr. Dinesh Pratap Singh

Mr. Dinesh Pratap Singh was born on 25th July 1956. He did M. Sc. in Botany in 1977 from the University of Allahabad. He joined as Biology Lecturer after pursuing M.Sc. in Botany. Worked 8 years as Principal at Bajrang Intermediate College, Bhadri, Kunda, Pratapgarh, U.P. He retired from the post of Principal in March 2018. During all these years he had tried hard to be torch bearer of Botany Department.

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Ms. Madhu Shukla

Ms. Madhu Shukla was born on 8th November 1958. She did her M. Sc. in Botany in 1978 from the University of Allahabad. She is daughter in law of late Dr. S. N. Shukla, Prof. of Law Department and a wife of late Anupam Shukla who was also Professor of Law Department. Ms. Madhu is a home maker.

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Dr. Padmakant Dwivedi

Dr. Padmakant Dwivedi was born on 1st July 1950. He did D. Phil. in Botany in 1978 from the University of Allahabad under the guidance of Prof. B. S. Mehrotra. He worked on "Studies on fungi associated with cereal grains with special reference to wheat and paddy". He was selected through UPSC and joined as Technical Officer, Group B. in the Ministry of Food at Jabalpur in 1981. In 1991 he was selected and joined as Asstt. Director Group A at IGMRI, Jorhat, Assam. He served as Office In-charge in the Regional Office, Sae grain campaign Govt. of India at Kolkata in 2001-2007. Also worked as Regional Director, Quality control cell, Govt. of India, Lucknow. Apart from so many administrative duties he published 27 research papers in foreign and Indian Journals and more than 100 popular articles in various news papers, maga, W.B. and U. P. zines published in M. P., Assam

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Mr. Ravi Krishna

Mr. Ravi Krishna was born on 13th March 1957. He passed M.Sc. in Botany in 1978 from the University of Allahabad. Master of Business Administration from Lucknow University in 1980. He is leading a retired life at Rajasthan. Earlier he worked for 30 years in Modi Industries Ltd., Modinagar. He joined the organization as Management trainee and left as Deputy General Manager.

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Mrs. Archana Purwar

Mrs. Archana Purwar was born on 3rd September 1957. She did her M. Sc. in Botany in 1978 from the University of Allahabad. She is a recipient of one gold medal in Botany and one Gold Medal in Agricultural Botany. She had joined Prof. D. D. Pant for D.Phil., worked for one and half years but could not complete. Now she is Home maker.

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Dr. Nripendra Kumar Srivastava

Dr. Nripendra Kumar Srivastava was born on 16th November 1956. He did his M.Sc. in Botany in 1978 from the University of Allahabad. He did Ph. D. in Ecology. He retired from BHU Computer Centre where he served the Centre since September 1978. He has published Vigyan Bharti with Prof. D. C. Pandey Allahabad. He has written a number of Science books

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Ms. Neelam Sharma

Ms. Neelam Sharma was born on 16th November, 1956. She passed M, Sc. in Botany in 1978 from the University of Allahabad. She also did L, T. from Govt. Training College, Prayagraj. She has 33 years of experience in banking sector. She has been training to new recruits in banking sector and work ethics. She is a recipient of Best Employee Award of the year 2002-2003 (Varanasi Anchal). Presently she is enjoying a retired life.

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Mr. Ajit Kumar Singh

Mr. Ajit Kumar Singh was born on 10th March 1956. He passed M. Sc in Botany in 1976-78 from the University of Allahabad. In addition he did B. Ed, Dip-in-Forestry and also M.Sc. in Forestry. He is leading a retired Forest Officer's life. He served for 35 years Bihar Forest Department on various posts and various places and had a wonderful experience in conservation, Creation, Maintenance of Forests, Protection of Environment, Safety and Security of Wild Animals, Zoo Management etc. He was a Deputy Director of Sanjay Gandhi Biological Park (PATNA ZOO, also as an Advisor, Principal Secretary, Environment, Forest & Climate change, Government of Bihar

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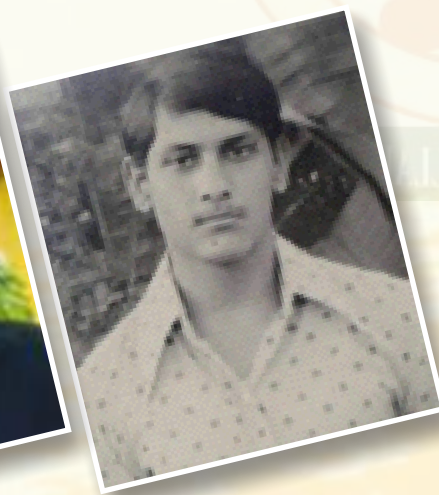
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Mrs. Sadhna Verma

Mrs. Sadhna Verma was born on 25th April 1958. She did her M. Sc. in Botany in 1978 from the University. i of Allahabad. She did Small Industries Management Certificate Course in 1996-97. Presently she is Home maker.

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Mr. J. V. Sharma

Mr. J. V. Sharma was born on 15th October 1957. He passed his M. Sc. in Botany in 1978 from the Department of Botany, University of Allahabad. He served 35 years Indian Forest Service UP cadre. Retired as PCCF. Now he is Director Land Resources TERI, New Delhi.

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Mr. Avinash Anant Phadnis

Mr. Avinash Anant Phadnis was born on 17th December, 1956. He did M.Sc. in 1979. Mr Phadnis has qualified CAIIB a professional qualification in banking. He worked in Syndicate Bank in various capacities at places like Ghaziabad, Mumbai, Miraj, Ahmedabad, Nagpur and Pune. He has retired and is leading a peaceful life far away from Botany and banking. After retirement he is teaching non gratis to poor children to prepare for scholarships, wisdom and abacus exams etc.

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Mrs. Alka Pandey (Dingar)

Mrs. Alka Pandey (Dingar) was born on 18th July 1958. She did her M.Sc. in Botany in 1979 from the University of Allahabad. She did P.G. Diploma in journalism and P.G. Diploma in web designing. She worked for Uttar Pradesh Power Corporation Ltd as Under Secretary. But her main interest was in Hindi Literature. Her 28 books (including story collection, Novel, poetry collection critique and books for children) have been published and got about 50 awards/Honors. Her story is included in Course book for class 8th Broadcasted from radio Lucknow Prayagraj and HongKong. 2 students received M.Phil. on her books. Few stories translated into Urdu Assamese etc. She is a Editor/Co Editor for 20 books/magazine (national and international in Hindi) and selected among best 111 female Hindi writers of 21st century by magazine 'The Sunday Indian'. She is a Adhyaksh/upadhyaksh/mahamantri in many literary organizations .Now leading a retired life.

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Mr. Ambika Prasad Dubey

Mr. Ambika Prasad Dubey was born on 20th October, 1958. He did M. Sc. in Botany in 1979 from the University of Allahabad. Mr Dubey has qualified Bihar Eligibility Test for Lectureship, in 1995. He also has Bachelor's degree in Education.

He retired from DAV Public School in October, 2018. He taught under graduate and post graduate students in Jharkhand up to more than 15 years. He has also taught students of senior secondary of CBSE board for 22 years as PGT and performed the duties of Superintendent Head of school. He has attended many workshops and seminars organized by CBSE.

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Mr. Gyaneshwar Tiwari

Mr. Gyaneshwar Tiwari was born on 30 June 1959. He did M. Sc. in Botany in 1979 from University of Allahabad. He also did L.L.B. in 1982 from the University of Allahabad. Mr Tiwari has retired on 30.6.2019 from the Post of Inspector General of Police, U.P.

Mr Tiwari has actively participated in many government duties as Police community relationship, Internal Security., Performance improvement, Behavior orientation, Refresher in Law, Leadership & Man Management. He did courses in Human Rights, Human capital development- Enhancing the HR Function-2009 from RIPA International, London, U.K. .and MCTP-International Policing & Management- 2014, from ISB Hyderabad & Charles Sturt University, Sydney, Australia.

Previously Mr Tiwari has been selected on the post of Deputy Superintendent of Police in 1982, by U.P., Public Service Commission. He has served on the posts of Deputy Suptd. of Police & Addl. Suptd. of Police. He was inducted in Indian Police Service

(IPS-2001). He served on the Posts of Suptd. of Police, Senior Suptd. of Police, Deputy Inspector General of Police & Inspector General of Police, till the retirement on 30.6.2019. He has rendered continuous service to the society as Police Officer, throughout, Uttar Pradesh.

He has received achievements and Recognition throughout the service tenure, few distinguished awards are President Police Medal for Gallantry- 2008, President Police Medal for Long & Meritorious Service-2010, D.G.UP. Commendation (Silver) Disc.- 2018, C.M. U.P. Kumbh Seva Medal- 2019.

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Mrs. Green Lata Srivastava

Mrs. Green Lata Srivastava was born on 21st July 1960. She did M. Sc. in Botany in 1979 from the University of Allahabad. She did LLB in 1986. Presently she is busy in home management.

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Dr. Ajay Shankar Srivastava

Dr. Ajay Shankar Srivastava was born on 2nd July 1957 at Azamgarh, U.P. Later on he was shifted to Allahabad for his schooling. He did his B. Sc. from C.M.P. Degree college in 1976 and M.Sc. from the Department of Botany, University of Allahabad in 1979. In 1978 he was awarded Fellowship by the Council of Scientific and Industrial Research (CSIR) Govt. of India, New Delhi to work for his D. Phil. degree under the guidance of Prof. D.D. Pant but he could do only a portion of Research works. Dr. Shankar also did M. Sc. in Forestry (A.I.F.C.) from Indian Forest College (Indira Gandhi National Forest Academy, Govt. of India) and a Foundational Course (Administration) from Lal Bhadur Shastri National Academy of Administration, Govt. of India, Mussoorie and Executive Education Programs in Administration from Maxwell School Of Citizenship and public Affairs Syracuse University, New



...Dr. Ajay Shankar Srivastava

University, New York, United States of America. Dr. Shankar worked in the World Bank aided M.P. Forestry Project, United Nation Development Programme(UNDP) and Japan International Cooperation Agency (JICA) Projects. He has played crucial role in institutionalizing participatory forest management in Madhya Pradesh both in policy as well as implementation level. He has prepared Tiger Conservation Plan under guidance of Nation Tiger Conservation Authority Delhi and familiarized Tigers in Sanjay Tiger Reserve in M.P. He has many scientific publications as books and papers to his credit.

Dr. Shankar retired from his services in July 2017 and leading a peaceful retired life with his family in Allahabad.

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Prof. Rashmi Agarwal

Prof. Rashmi Agarwal was born on 10th January 1958. She did her B. Sc., M. Sc. (Botany) and D. Phil. from the University of Allahabad in 1977, 1979 and 1988 respectively. Topic of her research was "Physiological and pathological studies on Fungi impe a rfecti". Presently she is a Professor at Department of Forestry, Wildlife, and Environmental Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.). She has more than 25 years of teaching experience and 33 years of research experience. For 17 years she was Head, Dept. of Forestry, GGU, Bilaspur; Course Co-ordinator – MFM course; Administrative Warden, Girls Hostel; Member of academic council of GGU Bilaspur; Member of Standing committee of academic council GGU Bilaspur; Member of different other academic bodies of GGU Bilaspur. She has more than 50 research publications in various National/International journals and 11 students have been awarded Ph. D. degree under her supervision.

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Dr Anupam Srivastava

Dr Anupam Srivastava was born on 1st January 1958. He did his M. Sc. in Botany in 1979 and D. Phil. in 1992 from the University of Allahabad.

He did PG Diploma In Public Administration And presently he is HoD, Patanjali Herbal Research Department, Patanjali Research Institute, Haridwar.

Earlier he was a Factory Manager And Senior Research Scientist, Maharishi Ayurveda, New Delhi.

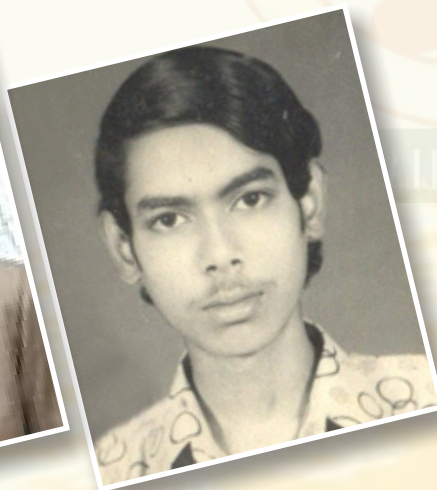
His main Contribution is in the field of Medicinal plants and Plant Taxonomy.

Dr. Anupam was honoured by Chief minister of Haryana for The Flora of Morini Hills.

He has more than 35 years of Research experience in the field of Medicinal plants, Ayurveda and Plant Taxonomy.

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Mr. S.D. Verma

Mr. S D Verma was born on 18th August 1955.. He passed his M. Sc. in Botany in 1979 from the University of Allahabad He has an additional qualification ,CAIIB.Mr.Verma worked for Railway and BARC (Trombay) Mumbai. He worked in different fields of Banking and received many departmental awards in banking carrier. At present he is leading a retired life.

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Dr. Diwakar Bahukhandi

Dr. Diwakar Bahukhandi was born on 2nd April 1957. He passed his M.Sc. in Botany in 1979 from the University of Allahabad. He did his D. Phil. in Botany (Mycology & plant Pathology) in 1986 from the University of Garhwal, Srinagar, Pauri Garhwal, UP. Senior Research Fellow- (1981-1983) Wheat Diseases Survey and Surveillance Programme, under dynamic leadership, and P.I. of Wheat Pathology, late Prof. L. M. Joshi, Afterwards he Joined as permanent staff in IARI, New Delhi . He hold different positions as vv1984 – 1989: RA, 1990 – 1992: Research Scientist/Asst. Professor, Botany Department, University of Delhi. 1993 – 1998: Research officer, IARI. 1999 – 2006: Chief Technical Officer, IARI. 2007 – 2013: Senior Scientist/Associate Professor, (IGFRI), Jhansi, UP; 2014 – 2019: Principal Scientist/Professor, Division of Mycology & Plant Pathology, IARI New Delhi and superannuated on 30th April 2019. Dr. Bahukhandi is a member of number of societies and published more than 156 papers. Presently he is a visiting Professor at Chandigarh University Gharuan Mohali, Punjab, IHT (Deemed University), Greater Noida & National Horticultural Research & Development Foundation, New Delhi (National Horticulture Board).

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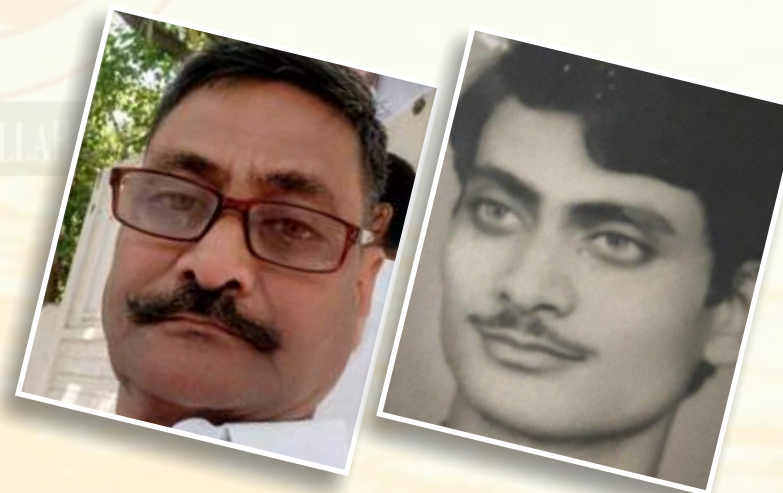
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Mr. Rajesh K. Srivastava

Mr. Rajesh Kumar Srivastava was born on 1st December 1954. He did M. Sc. in Botany in 1979 from the University of Allahabad. He is retired from UP State Audit & Finance Ministry. Living his retired life in his own farm and doing organic farming.

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Mr. Imteyaz Ahmad

Mr. Imteyaz Ahmad was born on 16th August 1956. He did his M. Sc. in Botany in 1979 from the University of Allahabad.

Mr. Ahmad is a Manager of Qaumi Inter College and he has Textile Business

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Mr. Suraj Narain Srivastava

Mr. Suraj Narain Srivastava was born on 2nd October 1958. He did his M.Sc. in Botany in 1980 from the University of Allahabad. He completed L.L.B. also from Allahabad University, and has been working as legal counsel at Allahabad high Court for the last 3 decades. Many of the cases handled by him has been reported/referred by court journals like A.I.R. etc. He has been interviewed by India Today magazine.

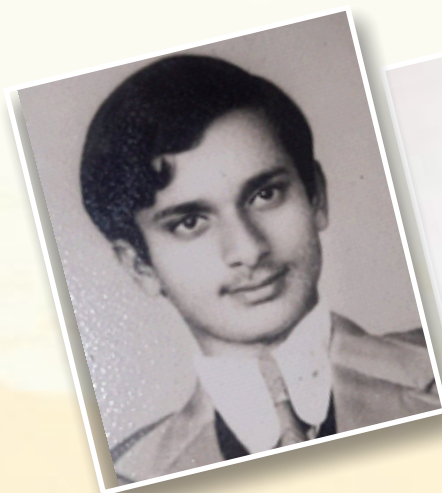
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Mr. Ram Krushna Pal Pandey

Mr. Ram Krushna Pal Pandey was born on 1st January 1960. He did his M. Sc. in Botany in 1980 from the University of Allahabad. He retired as Joint Director/Director Second Appellate Committee Pension (SACP), Integrated Headquarters of Ministry of Defence. Earlier he was at AGCR Ministry of Home Affairs, General Staff Branch, Military Intelligence, Master General Ordinance, Electronics and Mechanical Engineering Personnel, Adjutant General's Branch. His main contribution was in handling of court cases and pensionary appeals for Defence Officers & personnel, administration, Ex Service Men Helpline etc. He is recipient of Vice Chief of the Army Staff Commendation card, and various departmental certificates.

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Prof. Raj Nath Yadava

Prof. Raj Nath Yadava. did his D.Phil. in Botany in 1980 from the University of Allahabad. His association with the Department started in 1975 when he was enrolled for D.Phil. in Phycology under the guidance of the then Head of the Department, Professor Dr. D.C. Pandey. The topic of his doctoral work was "Studies on Taxonomy and Biology of certain fresh water algae". During Ph.D. work he discovered several new species of different groups of algae which were unknown to the scientific world by then. He availed post doctoral fellowship awarded by CSIR New Delhi. He joined TM Bhagalpur University, Bhagalpur in 1983 as a scientist in river Ganga project And worked on the Problem of ecology of river Ganga and its management. He handled a number of research projects funded by, UGC, CSIR, DST etc. He was a invited speaker in the Fourth International Phycological Congress held at Duke University, North Carolina, U.S.A. 1991. Also addressed the XIIIth International Seaweed Symposium at the University of British Columbia, Vancouver, Canada in 1989. He has attended more than five dozen National and International Conferences and seminars. More than seventy research papers were published in National and International Journals of repute.

He was Professor since 2004 at BRA Muzaffarpur, RLSY College, West Champaran, Bihar. Five students have obtained Ph.D. degree under him. Now leading a happy retired life.

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Mr. Biplav Kundu

Mr. Biplav Kundu was born on 22nd September 1958. He did his M.Sc. in Botany in 1980 from the University of Allahabad. He completed PGDBM in Sales and Marketing. Presently he is teaching in Pharmacy College. He worked in various Capacities in the Pharma Industry for 34 years

Speech writer to various persons in the Company in Corporate communication.

Best National Manager in different Pharma Cos. Undergone Management Development Programme in XLRI, IIM....

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Mr. Rabindra Rai

Mr. Rabindra Rai was born on 1st July 1958. He did his M. Sc. in Botany in 1980 from University of Allahabad. Mr. Rai was Senior Audit Officer in Railways and now enjoying Retired life. During the course of his service he has done Audits of various Departments in Railways. Major audits which he performed was on Railway Hospital ,Freight management and appropriation audit where he suggested various improvements on the subject which was incorporated in Audit Report of Union Government (Railway) and was presented in the Parliament

Mr. Rai got Best Performer of the year award of his Department in various years.

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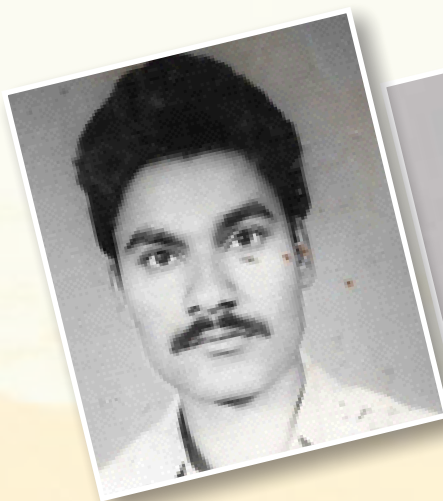


Mr. Ravi Kant Upadhyay

Mr. Ravi Kant Upadhyay was born on 20th July 1959. He passed M. Sc. in Botany in 1980 from University of Allahabad. He did LLB from Garhwal University. He joined Indian Forest Service(IFS) in 1984 and allotted to Tamilnadu Cadre. Worked for more than 35 year as DFO, Conservator, CCF, APCCF and PCCF & Head of Forest Force Tamilnadu. He superannuated from IFS on 31 July 2019. He had short spell at University of Wales, UK: University of Philipines, Las Banos :Maxwell School of Public Policy USA. Presently leading retired life at Chennai, playing with grand- daughter. Mr. Upadhyay mainly worked in the field of conservation and protection of forests. Drafted many legislation relating to Forest and Wildlife for Country as well as for States. Drafted Forest Policy for SAARC and Subsidiary legislation for Forest for FAO. Loves reading books and has fairly large collection of books.

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Mrs. Gaytri Pandey

Mrs. Gaytri Pandey was born on 7th Noember 1957. She did her M. Sc. in Botany in 1980 from the University of Allahabad. Worked as PGT_Biology In JNV. She has retired and now she is a Counsellor for youth towards their career & their contribution towards society, A yoga trainer (Presently training 35- 40 females) promoting Plantation & kitchen as well as terrace gardening. She is a recipient of Best teacher award from education Minister

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Mr. Raghukul Kamal Rai

Mr. Raghukul Kamal Rai was born on 29th June 1959. He passed his M. Sc. in Botany in 1980 from the University of Allahabad. He worked in the Banking Industry for 35 years and provided his best services mostly to rural people. As a Banking professional he tried to contribute to poor people to come out of debt and attain sustainable livelihood. Customer Service was his passion. He worked honestly and sincerely for the progress of his institution. Conferred President Award for Contribution in scouting, Rover Ranger Council, Allahabad. He is a recipient of many awards and certificate of excellence during his Banking Service.

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Mr. Devendra Kumar Posti

Mr. Devendra Kumar Posti was born on 8th August 1957. He did M. Sc. in Botany in 1980 from the University of Allahabad. He did B. Ed. From Barakatullah University, Bhopal. He has about 35 years of teaching experience, April 1982 to Feb 1985 at St. Joseph's College, Allahabad (UP); March 1985 to June 1987 at Rotary Public School, Gurgaon (Haryana); July 1987 to June 2006 at The Scindia School, Fort, Gwalior, (MP); June 2006 to March 2018 at BHAVANS KDK VIDYA MANDIR, Renukoot, Sonbhadra (UP) and about 18 years of administrative experience. HouseMaster of Jayappa House at The Scindia School, Fort, Gwalior since July 1998 till June 2005, Principal at BHAVANS KDK VIDYA MANDIR, Renukoot, Sonbhadra (UP) since 28th June 2006 till 7th August 2017. He is recipient of "Achievement Educational Excellence Award" 2007, "Jewel of India Award" 2008; "Avantika Sarla Chopra Memorial Samman for promotion of Social Welfare, Education, Indian Art & Culture" 2008; "Hindustan Pratibha Samman" 2012; "Pride of India Award" 2015 for individual contribution towards Economic Growth & Social Development; "Appreciation letter from HRD Minister Smt. Smriti Zubin Irani" in 2014 & 2015 for commendable academic performance by the students in Board Examinations etc.

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Mr. Vipin Rastogi

Mr. Vipin Rastogi was borne on 20th January 1958. He did his M. Sc. in Botany in 1980 from the University of Allahabad. He also did L.L.B. as an additional qualification. He was in L.I.C. Now leading retired life at Allahabad.

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Mr. Ravindra Singh

Mr. Ravindra Kumar Singh was born on 1st July 1959. He passed his M.Sc. in Botany in 1980 from University of Allahabad. After M. Sc. he worked as Medical Representative in SOL Pharmaceuticals and actively participated in Trade Union activities. He worked as State President of U.P. Internal SOL Council for 7 years. Mr. Singh is presently engaged in Pharnaceutical marketing and established his own business in 1997. Presently he has Monopoly rights of 7 companies.

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Col. Dr. Avanindra Nath Soni

Colonel Dr. Avanindra Nath Soni was born on 13th February 1960. He passed his M. Sc. in Botany from University of Allahabad, in 1981. He did MBA-HRD from Punjabi University Patiala and PGDSCM from CII Institute of Logistics, Chennai. He is a Superannuated, Senior Citizen. 1 Class-1 Gazetted Officer in Combat Arms Stream of Indian Army (Superannuated as a Colonel in Feb 2014 2. Manager, Hyatt Hotel Corporation 3. General Manager, Oil and Natural Gas Corporation Limited (served for 4,6 years and superannuated in Feb 2020). He played a Leadership role in conversion of his army unit from Vijyanta Tanks to T-72 Main Battle Tanks in 1987 (b) Actively participated in anti-insurgency Operations in NE (Assam) (c) Counter-Insurgency Operations in Kashmir valley killing 2x dreaded militant leaders in 1995. He is a recipient of President's Award for Social Service in Bharat Scouts & Guides in year 1975 (b) Vice Chief of Army Staff Commendation for Devotion to Duty & Distinguished Service in year 2020 &. (c). ONGC Business Games Champion for NE Region and Participation in National Open Business Games for CPSEs & Business Corporates in year 2016 & 2017 respectively.

He played a Stellar role in Major Rescue / Relief Operations in Orissa Cyclone (Oct 1999) & Kashmir Earthquake (Oct 2005)

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Mr. Raghvendra Nath Mishra

Mr. Raghvendra Nath Mishra was born on 24th June 1960. He did M.Sc. in Botany in 1980 from the University of Allahabad. He worked in U. P. Baroda Bank (Earlier Allahabad Kshetriya Gramin Bank) for about 3 years and six months. After that he was selected in combined State Services in U. P. Government and retired on 30th June 2020 from U. P. Finance and Account Services as Additional Commissioner Finance/ Joint Director Treasury and Pension Prayagraj Division.

Presently he is working as Manager Finance and Accounts in Prayagraj Smart City Ltd. Prayagraj and Financial Advisor in IERT (Institute of Engineering and Rural Technology) Prayagraj.

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Dr. Rajesh Kumar Tiwari

Dr. Rajesh Kumar Tiwari was born on 1st June 1958. He did M. Sc. in Botany in 1980 from the University of Allahabad. He did Ph.D. in Botany from Banaras Hindu University. He retired as Research Officer – CCRAS Ministry of AAYUSH (GOI) (1983-2018). His main contribution was in Drug standardization and quality control, - Documents regarding pharmacopoeial standard of Ayurvedic drugs. He has Published nearly 50 national and international research papers in different journals and participated in 35 national and international seminars/conferences.

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Mrs. Veena Sand Saraswat

Mrs. Veena Sand Saraswat was born on 2nd April 1960. She did M. Sc. in Botany from the University of Allahabad. She had joined D.Phil. under Prof D.C. Pandey and her synopsis was approved under Green Algae in Allahabad University but could not complete it. She worked as Teacher in Shri Guru Ram Rai Public School. She is homemaker and has a hobby of painting. At those times (1980-90) when there wasn't camera, but she captured all beautiful moment of life, like seeing the sunset or a blooming flower in form of paintings.

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Dr. Madhu Sengar

Dr. Madhu Sengar was born on 15th June 1959. She did M. Sc. in Botany in 1980 from the University of Allahabad. Presently she is a Principal in Jairam Janki P G College, Kakara Dubawal, Prayagraj. The college is associated to Rajju Bhaiya State University

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Ms. Neela Srivastava

Ms. Neela Srivastava did her M. Sc. in Botany in 1980 from the University of Allahabad. She was enrolled for her D. Phil. under the supervision of Dr. S. B. Pandey and worked on medicinal plant *Catharanthus roseus*. She served Krndriya Vidyalaya Sangathan as PGT., Vice Principal and Principal and retired in 2001.

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Dr. Suman Jaiswal

Ms. Suman Jaiswal did her M. Sc. in Botany in 1980 from The University of Allahabad. Presently she is a Principal of New R.S.J. Public School, Jhunsi, Allahabad.

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Dr. Avinash Tiwari

Dr. Avinash Tiwari was born on 4th January 1960. He did his M.Sc. in Botany in 1981 from the University of Allahabad. He qualified NET-JRF-CSIR fellowship exam in 1983 in Botany. The fellowship was upgraded to SRF- in 1985 which continued up to 1988. He completed his Ph.D. in Botany- Ecology under the able supervision of Dr S.B. Pandey. He also had the honour of being a muirian- i.e., is an inmate of A N Jha Hostel. After completing Ph.D. he joined as Research Associate in Botany Department at BHU, Varanasi for a few months and then he was selected as Lecturer in School of Studies in Botany, Jiwaji University, Gwalior from 1988. Worked hard for more than 32 years and presently he is Vice Chancellor of Jiwaji University. Earlier he was a Professor in Botany and Dean of life science and also a member of Executive Council of Jiwaji University. During his tenure in Jiwaji University he associated with NAAC, UGC, CSIR, MoEF & CC, DBT and many more prestigious organisations. He was honoured with a few awards and visits to several countries on official assignments.

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Dr Anil Kumar Tewari

Dr. Anil Tewari was born on 13th February 1959. He did his M. Sc. in Botany in 1981 and D. Phil. in 1992 from the Department of Botany, University of Allahabad. Presently he is Associate Professor in the Department of Botany, Ewing Christian College, Prayagraj. He has Published many research papers in national and international journals topics related to ecology and environmental issues. Attended many national and international conferences both in India and abroad. Published Two Books and Several articles in Magazines.

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Mr. Dharmendra Kumar

Mr. Dharmendra Kumar was born on 14th August 1960. He did his M. Sc. in Botany in 1981 from the University of Allahabad. He also did LLB, CAIIB etc. He was Chief Manager, at Baroda and UP Bank. He has more than 31 years of banking service. His main contribution is in Banking Industry and he is known as a Banker

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Dr. Sushma Chauhan

Dr. Sushma Chauhan was born on 6th July 1961. She completed her M.Sc. in Botany in 1981 and D.Phil. in 1986 from the University of Allahabad. Presently she is Assistant Professor in Botany in UPRTOU, Prayagraj. Earlier she was Research Associate (1994 to 1998) in the Department of Botany, University of Allahabad. She also taught in the evening classes CMP Degree college from 1999 to 2007.

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Mr. Sharda Prasad Yadav

Mr. S. P. Yadav was born on 15th September 1958. He passed his M.Sc. in Botany from the University of Allahabad in 1981. Mr. S. P. Yadav qualified IPS in 1986. He was in Maharashtra Cadre. He served in various capacities from Superintendent of Police to DG P Maharashtra. He served about 33 years in Maharashtra police and CPMF including rural and metropolitan cities. Prior to becoming DG police, he served as commissioner of police Nagpur for about 2 years. Worked in naxal affected areas of Maharashtra for about four years.

Mr. Yadav, retired from service on superannuation in 2019 from the post of DGP Maharashtra. Presently he is not working.

Several medals and commendations have been conferred on him during service e.g. President Police medal for meritorious service. (2) President Police medal for Distinguished Service. (3) Internal Security Medal (4) Medal from Government of Maharashtra for service in naxal affected areas (5) commendation Discs from DG CPMF and Maharashtra. (6) Several appreciations

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Mr. Yashpal Singh

Mr. Yashpal Singh was born on 3rd June 1960. He did his M.Sc. In Botany in 1981 from the University of Allahabad. He did Diploma in French language and in Broadcast Journalism. He has retired from the post of Asstt. Director of Programmes, All India radio, New Delhi. Mr. Yashpal served All India Radio in various capacities as a News-reporter, Programme-producer and Programme Manager during service tenure; Handled International Relations of All India radio for over 15 years and during the period organised several big international media conferences, training workshops and meetings. Representing AIR traveled to over 25 countries for official purposes. He received many commendations for contributing to in different fields of broadcasting.

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Mr. Vikram Kumar

Mr. Vikram Kumar was born on 14th July 1959. He did his M.Sc. in Botany in 1981 from the University of Allahabad. After 32 Years of services in Bharat Petroleum Corporation Ltd., Mr. Vikram Retired as - Chief Operations Manager I/C. He is a recipient of various corporate awards for carrying out Corporate Social Responsibilities (CSR) in villages in Maharashtra, Goa & MP., Corporate awards for IDEAS, and Corporate Awards for facilitation of Hindi Language. He has so many other additional qualifications also viz., M.B.A (Marketing) Indore, Logistics and Supply Chain management, IIM Indore, Leadership Excellence IIM Calcutta; Basic Leadership Skills, XLRI Jamshedpur; The Seven Habits of Highly Effective People, Franklin Covey; Creativity, Problem-Solving and Decision Making, XLRI Jamshedpur; Creativity For Competitive Advantage, IIM Kozhikode and i-lead -Accelerated General Management Programme, IIM Calcutta.

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Dr. Sangeeta Dubey

Dr. Sangeeta Dubey was borne on 29th September 1962. She did M. Sc. in Botany in 1982 and D. Phil. in 2005 from the University of Allahabad. In addition to it she did Diploma in Wildlife Management from Wildlife Institute of India in 1996 and M. Sc. in Forestry in 1993. Presently she is PCCF & CEO, CAMPA, West Bengal. During service she hold a number of Departmental posts.

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Dr. Rajesh Pandey

Dr. Rajesh Pandey was borne on 15th June 1961. He did M. Sc. in Botany in 1982. He Qualified NET UGC, was JRF (Junior Research Fellowship) SRF (Senior Research Fellowship) at Department of Botany, Allahabad University & Research Associate at IARI (Pusa Institute) Delhi.

Mr. Rajesh was selected as Deputy Superintendent of Police and undergone field training at Distt Pratapgarh, Supervised Police-Station as Circle Officer (DySP) in Distts Sonbhadra, Jaunpur, Azamgarh & Lucknow; Posted as DySP STF (Special Task Force) U.P. Lucknow; Promoted to Addl SP STF (Special Task Force) . He was SP city at Lucknow , SP(City) Ghaziabad ,Barabanki & Meerut. Investigated major incidents of terrorist attack in state of UP. Terrorist attack on Ayodhya on 05.07.2005 and of Varanasi on 07.03.2006. Worked as Advisor to Director Border and Boundary Police of KOSOVO Police during my deputation to United Nation Peace keeping operations in KOSOVO (Part of former Yugoslaviya) 2008-2009. He was inducted to IPS in 2012. First Posting after Induction to IPS as SP Raebareli, then posted as SSP Saharanpur,



...Dr. Rajesh Pandey

SP Gonda, SSP Lucknow, SSP Aligarh & SSP Meerut. Then posted as DIG Bareilly Range Bareilly. Promoted to Post of I.G. on January 01, 2021 and Retired on 30th June 2021. Attended training program at Royal Institute of Public Administration (RIP A), London, UK in 2010.

Four times awarded Gallantry Medals by Honorable President of India, first in 1999, then in 2000, 2007, and 2016; President of India's Indian Police Medal for Meritorious service in the year 2005; United Nations Medal for peace Keeping in Kosovo in 2008; Awarded Silver Commendation Disc from DGP UP. In year 2018; Awarded Gold Commendation Disc from DGP UP. In year 2020; Awarded Platinum Disc from DGP UP. In year 2021

After retirement Mr. Rajesh was reappointed (Contractual) as Nodal officer Purvanchal & Bundelkhand Expressway in UPEIDA (Uttar Pradesh Expressway industrial development authority) Lucknow U.P.

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Dr. Shonali Chaturvedi

Dr. Shonali Chaturvedi was born on 30th December 1959. She did M. Sc. in Botany in 1982 and D. Phil. in 1992. She is Associate Professor and Head, Department of Botany, E.C.C. college, Prayagraj. She has 23 years of teaching experience. She is a Fellow of number of academic societies, FBS, MNASC, FSPRB, FBPS etc. Her research field is Morphology, reproductive biology, Gymnosperms etc. She acted as a resource person, chairperson, referee in journals, executive council member etc. She is a recipient of Y. S. Murli Gold medal, R. N. Trivedi gold medal, and excellent faculty award.

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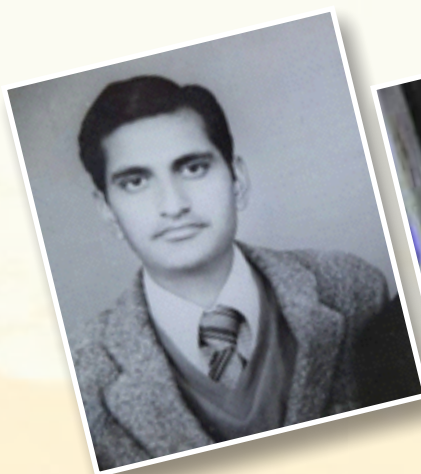
Dr. Bal Krishna Misra

Dr. Bal Krishna Misra was born on 11th March 1947. He did D. Phil. in Botany in 1982 from the University of Allahabad. After M.Sc. Botany (1967 held in 1968) he picked up teaching career and continued to teach Botany to UG and PG students until retirement in 2009. (Retd. as Reader in Botany from Brahmanand College, Kanpur). Towards the end of first decade of his teaching career, in the year 1977, he got his dream opportunity of joining the Department of Botany, University of Allahabad under UGC's Program of Teacher Research Fellowship. Incidentally he became the first D. Phil. Scholar in Angiosperm Floristic under supervision of Prof. B.K. Verma.

After retirement he took over a work of compilation of a scientific Dictionary on English-Hindi- English translation of botanical terms. After publication of this book (Misra & Misra 2022), presently he is busy with ex-Scholar Rajiv Kumar Mishra in publishing his work on the Bhind flora in form of a book. The pattern of publication will be same as Flora of Allahabad (1993) and Flora of Etawah & Auraiya districts (2014).

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Dr. Manju Srivastava

Dr. Manju Srivastava was born on 7th July 1962. She did her M. Sc. in Botany in 1983 and Ph. D. in 1992 under the guidance of Prof. D. D. Nautiyal on a topic "Structural studies in some vascular plants" from the University of Allahabad. After that she got research associateship of C.S.I.R, New Delhi in 1993. Simultaneously she got opportunity to join Botany Department, C.M.P. P.G. college, Prayagaraj as a lecturer in 1994. Presently she has 27 years of teaching experience. Her major area of research interest include palynological studies of number of pteridophytic genera and also morphological and anatomical studies of genus Isoetes L. Presently she is Associate Professor. She is a member of number of scientific societies and a Fellow of Indian Botanical Society (2020), She held the administrative responsibilities as a convenor for three and half years. Published more than 12 papers in reputed journals and many book chapters. Attended many seminars, workshops, presented papers and posters.

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Mr. Vinay Kumar Srivastava

Mr. Vinay Kumar Srivastava was born on 28th March 1963. He did M. Sc. in Botany in 1983 from the University of Allahabad. He was SRF till 1989. Presently he is a Joint Director in National Savings Directorate , Lucknow (Wing of Finance Department. U.P. Government).

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Dr. Alok Malviya

Dr. Alok Maliya was born on 1st July 1962. He did his M.Sc. in Botany from University of Allahabad in 1983 and D. Phil. In 1992. Presently he is Assistant Professor in Department of Botany S.S. Khanna Girls' Degree College, Prayagraj. DR. Malviya is an incharge of Eco Club under which he has planted several plants to improve the environment.

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Dr. A. K. S. Gaur

Dr. Amlendra Kumar Singh Gaur was borne on 2nd October 1955. He did D. Phil. in Botany in 1984 from the University of Allahabad. He served as Assistant Manager and Assistant Commissioner in District Industries Centres at different districts of Uttar Pradesh. He has contributed a lot for Industrial development of Uttar Pradesh. After retirement he worked as a Professor & Head & Dean of Agriculture Department and Examination Controller in Maharshi University of Information Technology, I.I.M. road, Lucknow. He has also written books for I.A.S. and P.C.S. pre – examination and How to install own industry.

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Dr. Ravishankar Pandey

Dr. Ravishankar Pandey was born on 1st April 1957. He obtained D. Phil. Degree in 1984 under the guidance of Dr. S. N. Bhargava on the topic "Some Studies on Fruit Crop Diseases" and published about twenty research papers in different international and national journals.

He got selected and topped the, U. P. , P. C. S. competitive exam in 1986 and served the State Govt in different capacity and retired from the service in 2017.

Having some interest in literature, he has published four books of Hindi poetry, one travelogue and four books of popular science, all in Hindi. And still the journey is going on.



Dr. Shikha Maheshwari Agrawal

Dr. Shikha Maheshwari Agrawal was born on 6th December 1963. She did her M. Sc. in Botany in 1984 and D. Phil. in 1992 from the University of Allahabad. She is Home maker.

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Prof. Arun Arya

Prof. Arun Arya was born on 7th September 1956. He did D.Phil. in 1983 from the University of Allahabad. Dr. Arun Arya has additionally obtained Diploma in Elements of Marketing from Punjabi University, Patiala (1979). Currently Dr. Arun Arya has retired as Professor and Head, Department of Botany, The Maharaja Sayajirao University of Baroda, Vadodara. He is President of IAAPC, Hon. Joint Secretary, Society for Clean Environment (SOCLEEN) Vadodara and Secretary of Vigyan Parishad, Vadodara Chapter. Dr. Arya previously joined as Lecturer in Department of Botany, Gurukula Kangri, University, Haridwar in 1985. In November 1985 he shifted to The M.S. University as Lecturer in Botany. Coordinator of Seed Technology Programme (3 year degree course) of UGC during 2002 to 2007. Coordinator Env. Science Programme. Head Dept. of Botany, Faculty of Science during 2008-2013, Head Dept. of Environmental Studies during 2010 -2018. Dr. Arya guided 12 Ph.D. students. He has published more than 150 research papers and 70 popular Science articles. He has published 14 books, with 3 foreign collaborators. He received C.S.I.R. Senior and Post-Doctoral Fellowship during 1982 to 1984. He was awarded Young Scientist award by DST in 1988, Prof. V. Puri award by Indian Botanical Society in 2019, Gorakh award for Popular Science writing Vigyan Parishad, Prayagraj, Environment excellence award by VNM T.V. and Best Teacher award by Lions Club Vadodara in 2000.

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Dr. R. C. Mishra

Dr. R.C. Mishra was born on 1st July 1964. He did M. Sc. in Botany in 1985 from the University of Allahabad. Presently he is IPS, DGP MD, Haryana Police Housing Corporation, Panchkula. He joined Indian Police Service in 1989 and has been allotted Haryana Cadre. During his 34 years of service, he worked as:- ASP-Gurgaon, Hissar, Nuh, Faridabad; Additional SP-Gurgaon; SP (Superintendent of Police)- Police Chief of Districts Narnaul, Jind and Panchkula, SP/CID Haryana Bhawan, New Delhi, SP/Traffic, SP/Special Branch CID, SP/Security and SP/State Vigilance Bureau, Gurgaon, SSP/Addl. Commissioner, Excise & Taxation (Enforcement) for two years and Deputy Director Police Training College, Madhuban Haryana; DIG-Modernization & Welfare.; IGP, Administration, IG Modernization & welfare and IG CID Haryana; ADGP-ADGP, CAW and further remained posted as ADGP (Addl. Director General of Police) State vigilance Bureau headquarters at Gurgaon, he assumed the charge of



Commissioner of Police, Ambala-Panchkula. Further posted as Additional Director General of Police, Administration, Haryana, Panchkula with additional charge of Commissioner of Police, Panchkula and Ambala Range. Addl. Director General of Police, South Range, Rewari; DGP- He was posted as M.D. Haryana Police Housing Corporation with addl. charge of Director FSL, Madhuban, Karnal.

He is a recipient of number of awards and Honours. He was awarded President Police Medal for Meritorious Services on 26 January 2007 by the Govt. of India; President's Police Medal for distinguished services in Jan. 2015; "Pt. Govind Ballabh Pant Puruskar" for successful translation of all three volumes of 150 years old Punjab Police Rules by B P R&D, MHA, Govt. of India, New Delhi in year 2000-2001; award for his book "Manvadhikar Sanrachhan" March 2006; awarded Balbir Sahani National Golden Jubilee Award by Governor Himachal Pradesh at Shimla in 2005; Medal from the "President of India" on the occasion of the Golden Jubilee Anniversary of India's Independence; awarded "World Hindi Millennium Award", in September 2000; conferred "Human Rights Millennium Award" in December 2000; awarded "India 2000 Human Rights Protection Award" on the occasion of the World human rights congress and global assembly of educators for World. Peace organized by the Indian Institute of Human rights (II HR) at New Delhi on 23-29 December 2000; Matrabhumi Gaurav Samman by Matrabhumi Seva Mission, Kurukshetra in December 2016 Chanakya Award 2013 by Hind Educational Society North India and All India Shri Parshuram Mahadal, Panchkula . He has 22 books to his credit..

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Dr. Archana Mishra

Dr. Archana Mishra was borne on 30th September 1963. She did her M. Sc. in Botany in 1985 from the University of Allahabad. Presently she is a Vice-Chancellor, Dr. B.R. Ambedkar National Law University, Rai, Sonapat. Earlier she was Vice-Chancellor, Deenbandhu Chhotu Ram University of Science & Technology, Murthal, Sonapat (Addl. Charge), Joint Director, Colleges; District Higher Education Officer; Principal, Govt. PG College, Panchkula; Principal, Smt. AAA Govt. PG College, Kalka (Addl. Charge); Principal, Govt. PG College for Women Sector-14, Panchita (Add Charge); SMMDSM, Panchkula (Addl. Charge); Government College, Morni, Panchkula (Addl. Charge); Astt./Associate Prof. in Govt. Colleges of Haryana

Dr. Archana is recipient of Chancellor's Medal (Best Student Award): Allahabad University, Allahabad 1985; Gold Medal for securing 1st position in M.Sc. Botany 1985; Best college award for doing outstanding work in awareness generation and

prevention of alcoholism and substance: Social Justice & Empowerment Department 2018; awarded for Contribution in Education: 2017, Governor of Haryana, Sri Kaptan Singh Solanki; Birbal Sahni National Golden Jubilee Award: 2005, Governor of Himachal Pradesh; "1-Class Sanad" Devoted services rendered to the humanitarian cause of Red Cross/St. John: Indian Red Cross Society 2016-17. Authored 20 books.

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Dr. Sadhna Srivastava

Dr. Sadhna Srivastava was born on 30th July 1961. She did M. Sc. in Botany in 1986 and D.Phil. in 1992 from the University of Allahabad. She did Computer Course from IERT Allahabad. She worked as PGT Computer Science since 1989 and now enjoying retired life. During research she visited Cambridge University and presented a research paper entitled “ Effect of Aflatoxin on Rice nd Rice products” in 1987.

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Dr. Rama Kant

Dr. Rama Kant was born on 15th September 1954. He did his D.Phil. in 1986 under the supervision of Prof. Devesh Chandra Pandey. The topic of his research was “Studies on life history of certain interesting algae with special emphasis on Charophytes”. Dr Rama Kant has worked in several research institute like Central Sericultural Research and Training Institute, Mysore, Research Extension Centre, Chitradurga, Karnataka, Regional Sericultural Research Station, Dehradun and Research Extension Centre, Barnoti, Kathua. He also worked as Indian counterpart (scientist) under Japan International Cooperation Agency (JICA) from 1991 to 1997. Before that he also worked at National Institute of Sericultural and Entomological Sciences, Tsukuba, Japan 1993 to 1994. He was Principal project coordinator in several projects to develop package and practices for mulberry cultivation and their management for bivoltine silkworm and others. He has obtained



...Dr. Rama Kant

Japanese language certificate from Tokyo International Centre, Japan and his field of specialisation was in mulberry cultivation from National Institute of Sericultural and Entomological Sciences, Tsukuba, Japan

He retired as Senior Scientist and developed several technologies to develop Sericulture Industry of India. Dr Rama Kant has guided Research scholar and M.Sc. Student's dissertations. He has contributed in the field of research by publishing 2 books and 80 research papers in National & International journals. He worked as Examiners of different Universities and imparted Training in the field of Sericulture to national and International students and governments employees.

He received award for best paper presentation and delivered lectures in Universities and different forums e.g. Indira Gandhi Forest Academy, Dehradun etc.

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Dr. Rajiv Tiwari

Dr. Rajiv Tiwari was borne on 12th May 1959. He did his D. Phil. in Botany in 1987 from the University of Allahabad. Presently he is a Chairperson of DATUM Advanced Composites Private Limited, India. Earlier he was District Sericulture Officer, Agriculture Officer and Assistant Director in Sericulture Development Department, Government of Uttar Pradesh. He led a program to replace J-poly and C-poly hybrid of silkworm, commercially viable with season-wise and region-wise hybrids which are used till date. He is recipient of Resham UTPADAKTA Puraskar for 2007-08, 2008-09 and 2009-10. He is also a Co-founder of Datum Advanced Composites Pt. Ltd. A company working in the aerospace and defence sector to make India "Atmanirbhar" in defence manufacturing.

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Mr. H.N. Mishra

Mr. H.N. Mishra was born on 16th December 1964. He did his M. Sc. in Botany in 1987 from the University of Allahabad. He also did LLB. He is Police inspector in U.P. Police. Presently he is dealing with legal cell, at Police head quarter , Prayagraj. He is a recipient of many Meritorious service awards.

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Dr. Biin Kumar Sinha

Dr. Biin Kumar Sinha was born on 24th June 1960. He did his D.Phil. from Department of Botany, University of Allahabad in 1987.

Presently he is a Scientist-F & Additional Director, Botanical Survey of India, Kolkata

He has more than 34 years research experience in Angiosperm Taxonomy (Floristics)/ Ecology/ Ethnobotany & Plant Conservation of Rare, endangered and threatened Plants

(experience in plant floristics and conservation aspects of various Phytogeographical regions of India particularly in Central India, Gangetic Plains, N.E. India, Andaman & Nicobar Islands and West Bengal)

Dr. Sinha has published 10 books on Floristics, Medicinal Plants, Conservation aspects and Ecological aspects, Articles published 17 under book chapters; more than 138 Scientific Research Papers on floristics, ethnobotany, Phytogeography and conservation aspects and one Hindi book on ethnobotany of Andaman & Nicobar Islands and more than 50 Popular Hindi Articles published in various Hindi Scientific Journals.



...Dr. Bijn Kumar Sinha

Described 6 species new to science, 1 New Family and 8 species as an addition to the Flora of India, more than 23 New species recorded as additions to the state Flora, 22 species recollected after more than 80 years, described and proposed 10.

Dr. Sinha described 6 new species: *Dendrobium shompenii*, *Zingiber meghalayense*,

Cheilocostus khasianus, *Begonia dampii*, *Hellenia meghalayensis* & *Hellenia paramjitii*

Genus *Hellenia* (Costaceae), one family: Akaniaceae., 8 new species were recorded to the Flora of India: *Pycnarrhena longifolia* (Menispermaceae), *Dendrobium incurvum* Lindl., *Sabia campanulata* Wal. ssp. *ritchiae* (Rehder & E.H. Wilson) Y. F. Wu (Sabiaceae), *Cyathia contaminans* (Wall.) Copel. (Cyatheaceae), *Impatiens monticola* (Balsaminaceae), *Impatiens mengtzeana* (Balsaminaceae), *Corallodiscus cooperi* (Gesneriaceae), *Codonopsis bhutanica* Ludlow (Asteraceae: campanulaceae).

Dr. Sinha was felicitated with “Dr. S. K. Jain award -2014” on Taxonomy by the “Society of Phytotaxonomy” He has completed 7 projects funded by different funding agencies. He guided 3 Ph.D.s in Taxonomy, and 2 are working.

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Dr. Achala Srivastava

Dr. Achala Srivastava was born on 16th April 1968. She did her M.Sc. in 1988 and D. Phil. in 1995 from the Department of Botany, University of Allahabad. She did her D. Phil. under supervision of Prof. Girjesh Kumar Head, Department of Botany, University of Allahabad on 'Mutagenesis in Some Economically Important Plants'. Presently she is Teaching in S.S.Khanna Girls' P.G. College Prayagraj; Since 4th January 1996 till date. She has more than 25 years of teaching Experience of Graduate and Post Graduate students. She has Published Research Papers, Chapters in books, Participated and Organized Seminars, Conferences etc. Writing Course content for Under Graduates. Dr. Achla has received best Teacher Award and credential of 100% result.

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Dr. Rajesh Dubey

Prof. Rajesh Kumar Dubey did his M. Sc. in Botany in 1988 from the University of Allahabad. He is presently working as Professor-Director, UGC-Human Resource Development Centre (UGC-HRDC), JNV University, Jodhpur, Rajasthan. He formerly worked as : Director, National Resource Centre (NRC), Biotechnology, Professor of Biotechnology; Course Director & Head, Department of Biotechnology; Course Director & Head Microbiology, MLS University, Udaipur, (Rajasthan). Prof. Dubey has rich experience of working for different positions as: Director Centre for Technology Development & Research (CTDR), Jaipur; Visiting Professor JRRS University, Jaipur; Advisor Council of Science & Technology, Raipur, Chhattisgarh State-coordinator National Agriculture Development Project (NADP) Uttarakhand; Executive Director, Biodynamic Technology Research Institute, Lucknow; Prof. Dubey is a member of National Science & Technology Entrepreneurship Development Board (NSTEDB), Ministry of Science & Technology, GoI. He has rich experience of over 25 years in research & development and academic administration. Under his supervision 4 research scholars have completed Ph D. He delivered more than 550 invited lectures and has participated in more than 575 conferences, seminars and symposia of national and international level. To his credit there are more than 100 international publications, 65 national publications as well as 30 books and 60 book chapters. He has received 30 awards of national and international level and have presented in more than 145 seminars in academics, research & development, administrations etc. He is member of more than 50 international & National professional associations and research journals. So far, he has coordinated more than 100 Orientation Programmes, FIPs, Refresher Courses and FDPs and 120 webinars supported by UGC & different departments and ministries.



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Dr. Dharendra Kumar Singh

Dr. Dharendra Kumar Singh was born on 4th February 1962. He did his D. Phil. in Botany in 1988 from the University of Allahabad. He is currently working as Professor, Department of Botany, Y.D. PG College Lakhimpur Kheri. He has thirty one year's experience of teaching at Y.D.PG College Lakhimpur Kheri. He has also worked as SRF at Feroz Gandhi College from January 1, 1989- Oct 6, 1989. He has performed several academic duties during his career at Y.D.PG College Lakhimpur Kheri. He is member of Board of Studies at CSJMU Kanpur. He has been appointed as member, Mining committee Lakhimpur Kheri and Convener NGT awareness programme, District President, (KUTA) Kanpur University Teachers association. He also works as subject expert in different selection committees, attended different workshop, conference, published research papers in reputed journals and conducted vocational course (Seed Technology) for 3 years in B.Sc. Bio as a core subject.

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Dr. Mahesh Pandey

Dr. Mahesh Pandey was born on 1st July 1967. He did his M. Sc. in Botany in 1988 and D. Phil. in 1997 from the University of Allahabad. He is currently working at State Civil Services (F&A), UP

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Mr. Anil Kumar Laloraya

Mr. Anil Kumar Laloraya was born on 7th Noember 1969. He did M. Sc. in Botany in 1989 from the University of Allahabad. He is working at Branch Head of Aviva life insurance Lucknow

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Dr. Mrityunjai Srivastava

Dr. Mrityunjai Srivastava was born on 5th January 1967. He did M. Sc. in Botany in 1989 and D. Phil. in 1999 from the University of Allahabad. He is Sr. Biological Scientist IV at Florida, Department of Agriculture and Consumer Services, Division of Plant Industry.

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Dr. Uma Pandey

Dr. Uma Pandey was born on 11th July 1968. She did her M. Sc. in 1990 and D. Phil. 2003 from the Department of Botany, University of Allahabad. Presently she is Assistant Professor in D. P. Mahavidyalaya, Shashwan, Badau. Earlier she was adhoc faculty in Kulbhashkar Ashram Degree College, Prayagraj.

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Dr. Baikunth Nath Pandey

Dr. Baikunth Nath Pandey was born on 1st January 1969. He did M. Sc. in Botany in 1990 and D. Phil. in 1994 under the supervision of Prof. N. B. Singh from the University of Allahabad. He was Junior Research Fellow at NBRI from 1996 to 1998, Presently he is working as Associate Professor of Botany, Government Girls' PG College, Ghazipur. He has been teaching at UG and PG level in Government College since 1998. He has published 22 Research Papers. He is a recipient of Young Scientist Award, UCOST, Government of Uttarakhand

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Dr. Shruti Shukla

Dr Shruti Shukla was earlier Shruti Bajpai. She did her M. Sc. in Botany in 1991 from the University of Allahabad and added many more degrees in HERCV after marriage, Post graduation in Education from Punjabi University, Patiala, Ph. D , Naturopathy from Delhi University , Training course in Education for Sustainable Development from Uppsala University , Stockholm (Sweden) and Green teacher title from Vancouver University. I am a writer, poetess and Ex News reader in Chandigarh Doordarshan.. Presently she is working with SCERT (Education Department), Government of Punjab. She was an active participant in all elocutions and dramatics programmes since University days and therefore very recently have started her own YouTube channel बूँ ही चलते चलते as I truly believe that there's no age to get back to one's calling.

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Dr. Sanjeev Kumar

Dr. Sanjeev Kumar was born on 20th January 1967. He passed his M.Sc. in Botany in 1991 from the University of Allahabad. He was Associate of Indira National Forest Academy, Dehradun which is equivalent to M.Sc. Forestry and also did Diploma in European Forestry from University of Eastern Finland. Presently he is Additional Principal Chief Conservator of Forests (APCCF), CAMPA, Jharkhand. Earlier he worked at Valmiki Tiger Project, W. Champaran, Bihar (as probationer), served in Jamui (Bihar), Gumla, Ranchi, Dhanbad, Bokaro, E. Singhbhum (Jamshedpur) as Divisional Forest Officer; Conservator of Forests. Afforestation and Social Forestry Circle, Jamshedpur; Conservator of Forests, Working Plan, Jamshedpur; Chief Conservator of Forests, Working Plan, Jamshedpur; Regional Chief Conservator of Forests, Hazaribagh, Jharkhand.

He has published two Books(1). Ethnobotanical Studies in India, 2014; (2.) Recent Advances in Ethnobotany, 2015. He has 100 papers/abstracts in Different National and International Conferences, Book chapters including World Forestry Congress,



World Agroforestry Congress, International Society of Ethnobiology 2014, Indian Science Congress Association etc.

Participated as an artist in painting exhibitions (group show) in Bengaluru, Kolkata, Delhi, Hyderabad, Jamshedpur, Dhanbad, Bhutan (Thimphu), London and Pune.

Sanjeev has received number of awards. 1. Industry Department, Govt. of Jharkhand, awarded in 2009 and 2010 for promoting Silk Rearing and giving livelihood option to the people living around forests in Dhanbad, Jharkhand. Award from Indian Lac Research Institute and BIOVED LAC CRAFT, Allahabad for promoting Lac cultivation and giving livelihood option to the people living around forests in Dhanbad. Year-2011.; Received Special Jury Award in International Film Festival, Kerala, 2012 for the short and documentary film VISION THROUGH IMAGES. It is a documentary film on Scroll and Wall Painting of Jharkhand.; Dr. Ambedkar Fellowship National Award 2009: for doing work for the upliftment of downtrodden people.; Mahatma Jyotiba Phule National Fellowship award 2015 by Bhartiya Dalit Sahitya Academy, New Delhi; Bharatiya Dalit Sahitya Academy, New Delhi conferred Veer Birsa Munda National Award 2019; International Foundation for Environment and Ecology, Kolkata, Botany Department, University of Allahabad and Confederation of Indian Universities, New Delhi jointly conferred Environmentalist of the Year 2019 Award at Botany Department, University of Allahabad on 26th February 2020; Environment Excellence Award 2021 etc.

Sanjeev is a member of number of academic societies and Fellow of Indian Botanical Society and Fellow of Indian Association for Angiosperm Taxonomy, Calicut, Kerala

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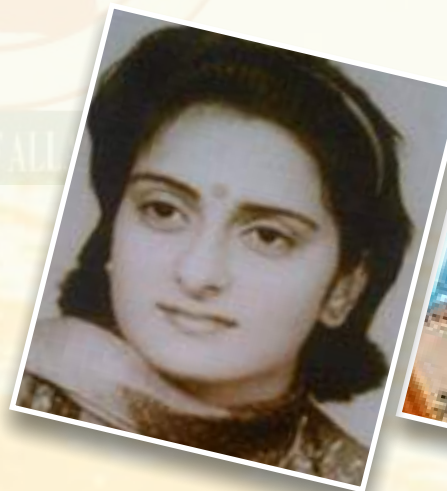


Dr. Amita Pandey

Dr. Amita Pandey was born on 21st May 1966. She did her D. Phil. from the Department of Botany, University of Allahabad in 1992 under the supervision of Prof. G. L. Tiwari on “Studies of Blue Green Algae”. Presently she is Associate Professor at the Department of Botany, CMP PG College, University of Allahabad and has twenty two years teaching experience. She is a life member of more than 8 societies and Fellow of Society of life Sciences (FSLSc), National Journal of life sciences (NJLS) and of ESW Society, Khajuraho. Dr. Amita is a recipient of Distinguished service Award in 2017 and Biodiversity Conservation Award in 2018. She has completed one UGC Research Project. She had been judge in a number of events and has a vast administrative experience. She is a Member Executive committee of Association of Microbiologists of India, Asst. Coordinator of local chapter of Vigyan Parishad Prayag, Allahabad, Councillor, UPRTO University, Allahabad, Subject Expert of Science and Technology Encyclopaedia prepared by Vigyan Parishad Prayag, in Collaboration with Sabdawali Aayog, Govt. of India.

Dr. Amita published more than Fifteen Papers, Book chapters and Articles and attended more than thirty seminars, workshops.

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Dr. Ramesh Singh

Dr. Ramesh Singh was born on 20th December 1966. He did his M. Sc. in Botany in 1992 and D. Phil. in 2003 from the University of Allahabad. Presently he is Associate Professor at the Department of Plant Pathology, Sardar Vallabh Bhai Patel University of Agriculture and Technology, Meerut. Established Centre of Excellence for Sanitary and Phytosanitary (SPS) in the University campus with financial assistance of Rs. 220 lakh under RKVY scheme, Government of India in the year 2016 Handle 4 externally funded research projects. Recieved Best scientist (research) award in 2018

Nodal Officer- RKVY Projects. Coordinates 15 projects of Rs. 2000.00 lakh funded under RKVY scheme, Govt. of India

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Mr. Sanjay Kumar Dwivedi

Mr. Sanjay Kumar Dwivedi was born on 1st October 1971. He did M.Sc., in Botany in 1992 from the University of Allahabad. He also did L.L.B. and B.Ed. He guided Medical Entrance Aspirants (NEET). Presently he is District Malaria Officer at Mirzapur

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Dr. Lal Ji Singh

Dr. Lal Ji Singh was born on 19th April, 1970. He did his M. Sc. in Botany in 1992 and D. Phil. in 2002 from the University of Allahabad. After obtaining his D.Phil. degree Dr. Singh started his career as a Lecturer (Assistant Professor) in the Department of Botany, ISDC, one of the associate colleges of Allahabad University. He was also worked as a Visiting Faculty at K.P. Teachers Training (B.Ed.) College, University of Allahabad and as a Lecturer at A.I.C., Allahabad. His academic journey took a sharp turn when he joined in Botanical Survey of India, an apex taxonomic research organization of Government of India under the Ministry of Environment, Forest & Climate Change as a Scientist (Plant Taxonomist) in 2010. He was appointed as Head of Andaman and Nicobar Regional Centre of BSI in 2015. He described more than 18 taxa including a genus new to science, various new additions to Indian Flora, A new species of Cycas, *Cycas dharmrajii* is named in honour of Prof. (Dr.) D.R. Misra, Former Professor & Head, Department of Botany, University of

Allahabad.

The various specific epithets are named in honour of Dr. Lal Ji Singh for his significant contributions to Botany especially in the anatomy and taxonomy of higher plants. His commemorative names are *Dendrophthoe laljii* (Loranthaceae), *Portulaca laljii* (Portulacaceae), *Pyrostria laljii* (Rubiaceae). Enrolled 5 students for Ph. D., 3 PDF/RA Scholars and 9 PG Internship students. Member of various societies/committees, Fellow of the Linnean Society of London (FLS), Indian Botanical Society (FBS), Association of Plant Taxonomy (FAPT), Andaman Science Association (FASA).

Presently, he is a Joint Director & Head of Andaman and Nicobar Regional Centre of BSI and working in revisionary, exploratory and conservation studies on flora of India especially of Andaman and Nicobar Islands.

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Dr. Kirti Raje Singh

Dr. Kirti Raje Singh was borne on 5th May 1971. She did M.Sc. in Botany in 1993. After that he has joined D. Phil under the Supervision of Prof. G. L. Tiwari in Allahabad University. She was awarded D.Phil degree in 2001 on the Topic "Isolation ,Identification and Characterization of Stigonematales". During D.Phil I Received JRF in a C. S. T. Project entitled "Development of alternate carrier of Blue-green algae" in Allahabad University. Presently she has eighteen years teaching experience (10 years as part time lecturer in additional classes, 4 years as Guest faculty and from 2018 she is a permanent faculty) in C.M.P. Degree College Prayagraj. She is a member of number of academic societies and delivered number of inited lectures. She is a Fellow of Society for Recent Development in Agriculture Ajmer (Raj) India. Published fifteen Paper in different national and International Generals, No. of Book chapters and Articles, attended more than 10 workshops, more than 25 seminars

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Dr. Ramakanti was born on 27th September 1972. She did M. Sc. in Botany in 1993 from the University of Allahabad. She did B.Ed. and M.Ed.(Gold Medal) . She is NET qualified and did Ph.D. in Education from University of Lucknow. She worked as Scientific Assistant (pharmacognosy section) in Homoeopathic Pharmacopoeia Laboratory, Ghaziabad during 1996 to 2000. It is a Central Govt. Institution to establish the standards for homoeopathic drugs. She is doing efforts to prepare humane and competent teachers who can shape our nation as an unique society.

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Dr. Prabodh Srivastava

Dr. Prabodh Srivastava was born on 23rd October 1972. He did M. Sc. in Botany in 1993 from the University of Allahabad. Dr. Prabodh Srivastava is currently working as Associate Professor, D.S. College, Aligarh. He has been awarded Best Academic Coordinator award in U.P., National Children Science Congress

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Dr. Vinay Mehrotra

Dr. Vinay Swarup Mehrotra was born on 16th December 1965. He did D. Phil. in 1993 from the University of Allahabad under the guidance of Prof. Usha Baijal. Presently he is Professor & Head of the Curriculum Development and Evaluation Centre and Centre for International Relationship at the PSS Central Institute of Vocational Education (PSSCIVE), a constituent unit of National Council of Educational Research & Training (NCERT), under the Ministry of Education (MoE), Government of India. He is also the Coordinator of the UNEVOC Network Centre at PSSCIVE, Bhopal. He served as officiating Joint Director of PSSCIVE from 9th May 2022 to 1st August 2022. He has been actively involved with the MoE in the development and implementation of the National Skill Qualifications Framework (NSQF) and the scheme of vocationalisation of school education under Samagra Shiksha. He is working as the Project Coordinator of MoE-funded projects under Samagra Shiksha for the development of vocational curricula, textbooks and digital resources for Grades 9 to 12. Dr. Mehrotra was



...Dr. Vinay Mehrotra

the project coordinator for the development of training modules for the LIFE (Literacy Initiative for Empowerment) kit of UNESCO-India. He is coordinating the development of vocational textbooks of employability skills and vocational skills for Grades 9 to 12, published by NCERT.

He has to his credit several articles, research papers, book chapters on arbuscular mycorrhizal fungi and vocational education in refereed Journals, books and magazines. He was Executive Editor of the Indian Journal of Vocational Education (IJVE), published by PSSCIVE from 2013-2015. He is a member of the Editorial Board of the "Manpower Journal" of the National Institute of Labour Economics Research and Development (NILERD), an autonomous Institute under NITI Aayog, Government of India.

He has coordinated training programmes for the TVET teachers of Bhutan and officials of Sri Lanka. He has attended VET conferences and visited several TVET Institutions in Indonesia, Australia, New Zealand, the Philippines, Thailand, Germany and South Korea.

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Dr. Sharad P. Srivastava

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Dr. Mala Trivedi

Dr. Mala Trivedi was born on 30th April 1971. She passed her M. Sc. in Botany in 1993 from the University of Allahabad. She did her Ph.D. in Botany specialization in Genetics, from Central Institute of Medicinal and Aromatic Plants, (CSIR-CIMAP), Lucknow and Post Doc from Institute of cell biology, School of Life Sciences, Lanzhou University, Lanzhou, P. R. China. Presently she is a Professor, Biotechnology, Amity University, Lucknow. She Developed disease resistant variety of opium poppy against downy mildew; Published 60 Research papers in leading National and international Journals, 20 book chapters and 4 books. She has 2 US patents and 2 Indian Patents to her credit. She supervised 12 Ph. D. scholars and 2 M. Phil, 50 Dissertation of PG students. She has number of awards and honours viz., 1. Dr. S.N. Mehrotra Award for securing highest marks in B.Sc. Examination in Allahabad University, Allahabad. (U.P). 2. Girija Dayal Srivastava Gold Medal for standing first in M.Sc. Botany in Examination of 1993, Allahabad University, Allahabad (U.P), 3. Nihal Chand Tandon Gold Medal for standing first in M.Sc.-

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Dr. Mala is a Life member of Indian Science congress, Indian Biodiversity society, Translational Biomedical Society, Biotechnology Research Society of India; Reviewer of Member of several leading National and International journals, Frontier's of Biotechnology and Bioengineering, Plant Genetic Resources; Editorial Member of several leading National and International journals, Frontier's of Biotechnology and Bioengineering, Plant Genetic Resources and recipient of around 2 crores grant from DBT for skill development programs. Her research interest includes genetic transformation, plant stress biotechnology, secondary metabolites, pharmaceutical compounds, PGPR etc. and have more than 27 years of research and teaching experience.

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Dr. Rakesh Kumar was born on 6th June 1971. He did M. Sc. in Botany in 1993 and D. Phil. in 2001 from the University of Allahabad. Presently he is Assistant Professor. He has more Than 50 Research Papers/Seminars

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Mr. Rajesh Kumar Srivastava

Mr. Rajesh Kumar Srivastava was born on 4th March 1971. He did M. Sc. in Botany in 1994 from the University of Allahabad. Mr. Srivastava has completed his M.B.A from Institute for Technology & management Warangal, Andhra Pradesh and NCFM from SEBI. He has explored several Professional streams from Media Executive to Finance Regional Head, and finally opened his own Media House - AR Productions

Mr. Srivastava has a long working experience in the field of finance and Media production. He worked on different positions: Media Executive at Deccan Chronicle, Hyderabad; Media Executive with SSC & B Lint as, Chennai; Advertisement Manager at Indian Express, Kanpur; Resident Editor at Dainik Rastrabodh, Kanpur; Securities Auction Manager at SPFL Securities, Kanpur; Financial Product Manager at India Infoline, Mumbai; Cluster Business Head, Adarsh Credit Cooperative Society Ltd, Balrampur; Regional Head, Adarsh Credit: Cooperative Society Ltd, Jharkhand & Bihar; Pannel Producer, Katyayni TV Channel; Owned Media Production House at Noida

Mr. Srivastava has received several awards and recognition, during MBA, played a key role to conceptualize the annual Marketing Event – Brand Scour. During his Financial journey achieved highest award for performing top PAN India. He has interest in documentary making, short film making, and Visual Conceptualization,

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Mr. Vinay Kumar Singh

Mr. Vinay Kumar Singh was born on 1st March 1970. He did M. Sc. in Botany in 1994 from the University of Allahabad. Mr Singh has obtained L.L.B degree after M.Sc. and is working at the post of Assistant Consolidation Officer in Prayagraj Sadar.

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Dr. Surendra Singh Kehri

Dr. Surendra Singh Kehri was born on 15th June 1963. He did his Ph. D. in 1995 from University of Allahabad under the guidance of Prof. Sudhir Chandra. Presently he is a Chief Manager R & D, Heading Plant Nutrition R&D in Indofil industries Ltd which is working in the field of agriculture since last 6 decades and known for its Fungicides products (Mancozeb) worldwide This company is operating in more than 100 countries. He was also associated to Biostadt India Limited, Mumbai: from 2000-2016 as Head, Research, Product Development and regulatory affairs. He was also associated with Maharashtra Hybrid seeds Co. Ltd. (MAHYCO), Mumbai from 1995-2000 as Research Scientist, Microbiology and Biotechnology. He has developed a number of plant Biostimulants, Biofertilizers, biopesticides and commercialized for benefit of farming community for national and international markets. He got registered number of Plant Biostimulant products in number of countries. Dr. Surendra has attended number of national and international conferences and visited number of countries like China, Thailand, Pakistan, Italy, France, Norway, Ireland, UK and others.

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Dr. Naveen Krishna Srivastava

Dr. Naveen Krishna Srivastava was born on 1st June 1966. He did his D.Phil. under the guidance of Prof. Monica Basu in 1996. Dr Srivastava is currently working as Associate Professor, Department of Botany, S.D.J. P.G. College, Chandeshwar, Azamgarh and previously worked as Adhoc Assistant Professor, at Department of Botany, DAV PG College, Azamgarh, 1997-1999.

Dr. Srivastava has Co-supervised Ph D of approx 11 students and supervised 3 Ph. D. students

Dr Srivastava is Life member of Poorvanchal Academy of Science, Indian Journal of Scientific research and Flora and Fauna. Dr Srivastava has published 35 research articles, 62 abstract and attended 20 seminar symposium

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Dr. Rudal Dubey

Dr. Rudal Dubey was born on 16th November 1968. He did his D.Phil. from the University of Allahabad under the supervision of Prof. Sudhir Chandra in 1996. Dr Rudal Dubey has obtained International diploma in guidance and counselling from regional institute of Education, Shillong (NCERT) apart from D.Phil. He has been teaching in Kendriya Vidyalaya and currently working as Principal, Kendriya Vidyalaya Sangathan.

Dr. Dubey has developed innovative teaching and learning method. He has been recognised for his hard work and awarded with Kendriya Vidyalaya regional incentive award in 2012. and CV Raman award for innovation in science teaching. He has worked as Resource person and coordinator in various science workshops and in-service programme. He has visited Japan under Youth Invitation programme of JICA and ministry of sports and youth affairs, Government of India.

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Dr. Sharad Srivastava

Dr. Sharad Srivastava was born on 16th October 1975. He did his M. Sc. in Botany in 1996 from the University of Allahabad. Ph.D in Botany from Dr. RML Avadh University, Faizabad in 2004. Thesis title: Quality evaluation of herbal drugs used in Indian Pharmaceutical Industries. Presently he is a Senior Principal Scientist & Head Pharmacognosy Division, CSIR-National Botanical Research Institute, Rana Pratap Marg, Lucknow. Earlier he was a Lecturer of Botany (Taxonomy) at CMP Degree College, University of Allahabad from March 2000 to October 2000.

In his 23 years of research career he made significant contributions in the area of quality control of crude drugs/products, chemotaxonomy, bio-prospection and development of herbal products. Developed quality standards of more than 150 single herbs and also identified biomarkers for their quality control, which finds place in The Ayurvedic Pharmacopoeia of India and Indian Pharmacopoeia.



Dr. Sharad has published more than 175 original research papers with total IF# 189.922 in peer reviewed journals; authored 9 books and have 18 patents, handled 37 research projects sponsored by various funding agencies (Govt. and private) including NAIP, NASF-ICAR, AYUSH, ICMR, NMPB, DST, DBT, Govt. of France under BioAsia scheme. Also, he is National coordinator to two mission projects of DST.

Honored with “Young Scientist Award” from Govt. of Uttar Pradesh in 2010. “Saii Ratna Samman” – 2012 from Saii Group of Institution. Six times winner of Dr. P.D. Sethi award (2007, 2010, 2012, 2013, 2014 & 2015). Fellow of various scientific societies, namely, Fellow of Society of Ethnobotanists, Society of Ethnopharmacology and Life member of The National Academy of Sciences, India and Royal Society of Chemistry, London, UK, etc., has visited several countries like Geneva, Seoul, France and Hongkong to deliver invited lectures. Member of taskforces and expert committees of DST, NMPB, Min of AYUSH, FSSAI, Codex, etc.

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Dr. Ratna Dixit

Dr. Ratna Dixit was borne on 2nd August 1971. She did her D. Phil. in 1996 from the University of Allahabad. She did B. Ed. and CSB as an additional qualification. For the last 15 years she is in education line and teaching to the needy children. She has invested almost 20 years as visionary teacher, as co-ordinator and as resource person. She is an Environmentalist and has a great interest in Horticulture.

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Dr. Laxmi N. Goparaju was born on 19th November 1974. She did her M. Sc. in Botany in 1997 from the University of Allahabad. Dr. Laxmi N. Goparaju has obtained her Ph.D. in Environmental Science and Technology from Jawaharlal Nehru Technology University, Hyderabad. She is currently working as Scientific Advisor, Vindhyan Ecology and Natural History Foundation, Mirzapur, Uttar Pradesh.

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Dr. Sanjay Kumar Mishra

Dr. Sanjay Kumar Mishra was born on 25th September 1975. He did his M.Sc. in Botany in 1997 and Ph. D. in 2008 from the University of Allahabad. He was awarded D. Phil. under the guidance of Prof. G.K. Srivastava on a topic “Morphotaxonomical, Ecological and Cytogenetical studies of some vascular plants”. Dr. Mishra is currently an Associate Professor, Department of Botany and Coordinator, Centre of Biotechnology, Ewing Christian College, Prayagraj, Uttar Pradesh. Earlier he served as an Assistant Professor in the Department of Botany since 2000. He secured second position in the Merit of M.Sc. Botany in 1997. Dr. Mishra has received several Recognitions and Awards during his educational and academic career. He was awarded the Fellow of Indian Botanical Society in 2013.

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Dr. Uma Pal

Dr. Uma Pal was borne on 10th March 1974. She did her M. Sc. in Botany in 1997 and D. Phil. in 2004 from the University of Allahabad. She is a Teacher in Junior High School, Basic Education at Kannauj.

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Mr. Kamlesh Singh

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Dr. Anju Singh

Dr. Anju Singh was born on 3rd July 1975. She did M. Sc. in Botany in 1998 and D. Phil. in 2005 from the University of Allahabad. Additionally she has obtained two years Diploma in Drawing from Bhatkande Sangeet Vidyapith, Lucknow and a Certificate in computer application. Currently she is appointed as Assistant Professor in Biotechnology. She has a past teaching experience from 2005 onwards. She has published four papers in Journals and Proceedings

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Mr. Manish Khare

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Mrs. Nupur Choudhary

Mrs. Nupur Choudhary was born on 11th April 1977. She did her M.Sc. from the Department of Botany, University of Allahabad in 1998. She did LT (which is equivalent to B.Ed.) and AMLT. Presently she is teaching Biology in Little Flower Junior College at Pune. She did teaching in various cities and in Diploma Institutions.

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Prof. Amritesh Shukla

Prof. Amritesh Shukla was borne on 25th July 1973. He is the grandson of Acharya Pandit Ram Chandra Shukla, the great Hindi writer. Dr. Shukla did his D.Phil. in 1998 and D.Sc. in 2010 from the Department of Botany, University of Allahabad. He also did Certificate of Proficiency Course in German, University of Allahabad, Allahabad. Presently he is Professor & Additional Dean (Recruitment & Assessment Cell, UoL) at Department of Botany, University of Lucknow, Lucknow, U.P.

Earlier he was a Reader (2007—10), Head (2007-10; and 2013-16); Associate Professor (2010-12) and Professor (2012-16) at Department of Horticulture, Aromatic and Medicinal Plants, Mizoram University (A Central University), Aizawl- 796004, Mizoram, India.

Dr. Shukla is involved in regular PG Teaching & Research since 2007; Projects handled successfully (06) funded by CSIR, DST, DBT; developed herbal sulphos- as an alternative to the synthetic pesticides and credited US, UK, Japan and Indian 2 patents on antifungal herbal drugs. Besides, published 123 research papers/ articles; books 11 (authored/ edited); Supervisor 10 PhDs (PhD degree awarded 06, PhD pursuing 04); 21 PGs and mentor in an European Commission- Marie Skłodowska-Curie Actions Individual Fellowships (Call: H2020-MSCA-If-2019).

Dr. Shukla was a Visiting Professor at Faculty of Land and Food System, University of British Columbia, Vancouver, Canada (2013-14).

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Mrs. Om Kumari

Mrs. Om Kumari was born on 31st December 1974. He did M.Sc. in Botany in 1998 from the University of Allahabad. She did M.Ed. from University of Allahabad with Gold Medal. She did PG Diploma in Psychology and in Yoga and Naturopathic science. She is providing services for the welfare of the society by conducting free Blood Donation camps, conducting food services outside the civil hospital of Lucknow. She also conducted regular plantation drive, continuous and Sparrow Conservation Awareness drive. She is providing fees and books to poor talented children, providing medicines and health supplements in old age homes, giving free yoga camps and naturopathic tips. She also provides sewing machines for women. She was awarded with Corona Yoddha Award by Dainik Jagran, International women's Achievers award 2019, 2021; Adarsh Mahila award by Delhi University campus 2019; Awadh Ratna 2021,2022,2023; Awadh Mahila Samman 2019; Savitri Bai Phule Award; Shakhshiyat E Lucknow Award. Presently she is serving as a Social activist, poet, psychologist, yoga and diet expert.

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Dr. Ajay Kumar Jha

Dr. Ajay Kumar Jha was borne on 2nd August 1975. He did his M.Sc. in 1998 from the Department of Botany, University of Allahabad and Ph.D. from Jiwaji University, Gwalior, M.P. on "Floristic Diversity (Angiosperms) of Kanger Valley National Park, Bastar District, Chhattisgarh" in 2006. He also did Post Graduate Diploma in Ecology & Environment from Indian Institute of Ecology & Environment, New Delhi in 2003 in First Division and Diploma in Software Engineering from IIHT Computer Centre, Prayagraj (Allahabad) securing 68.3% marks. He has also cleared Joint CSIR-UGC National Eligibility Test (NET) for Lectureship held on 31.12.2000.

Dr. Jha presently working in the capacity of Senior Manager (Environment) in NHPC Limited (A Govt. of India Enterprise) and posted in Teesta-VI Hydroelectric Project (500 MW) in Sikkim and looking after the works related to Environment, Forests, Rehabilitation & Resettlement and Land Acquisition works of Teesta-VI and Teesta-IV Projects. He worked in the same



Dr. O. N. Tiwari

Dr. O. N. Tiwari did his D.Phil in Botany in 1998 under the supervision of Prof. G. L. Tiwari.

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organization as Deputy Manager also (2015 to 2019). 2008 to 2015 he Worked as Environment Officer, Assistant Manager (Environment) and Deputy Manager (Environment) in NHPC Corporate Office at Faridabad and looked after the works related to Environmental Studies and clearances of Dibang, Tawang-I, Tawang-II and Kuri-Gongri Projects, from 2004 to 2008 as Trainee Officer (Environment) and Environment Officer in Dibang Multipurpose Project (3000 MW) and looked after the works related to Environmental Studies and clearances of Dibang Project. From 2001 to 2004 Dr. Jha was a Senior Research Fellow in Botanical Survey of India, Central Circle, Allahabad on the project "Assessment of Floristic Diversity in Protected Areas of India, Phase-I. The Biosphere Reserves and National Parks" sponsored by Ministry of Environment and Forests, New Delhi. Job responsibility was thorough survey and analysis of angiospermic plants of Kanger Valley National Park, Bastar District, Chhattisgarh. From 2000 to 2001 worked at In Central Drug Research Institute, Lucknow as Research Scholar in the World Health Organization's project. Job responsibility was to check the validity of Freeze Dried Antigen as a diagnostic tool of Leishmaniasis and compare it with two other tools i.e. rk39 strip and aqueous antigen. From August 2000 – April 2001 worked in In Industrial Toxicology Research Centre, Lucknow as Project Assistant in the project "Bioremediation of soil contaminated with organo-chlorine pesticides residues – field trials" sponsored by Department of Biotechnology, New Delhi. Job responsibility was the evaluation of the activity of a co-culture of *Bacillus* spp. in the degradation of Endosulfan.

Dr. Jha published one book also Khanna, K. K.; Kumar, Anand & Jha, Ajay Kumar. Floristic Diversity of Chhattisgarh (Angiosperms). Bishen Singh Mahendra Pal Singh, Dehra Dun. 2005. Fourteen Research publications are to his credit.

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Dr. Richa Tandon

Dr. Richa Tandon was born on 24th November 1974. She did her M.Sc. in Botany in 1998 and D.Phil. in 2005 from the Department Of Botany, University of Allahabad. Presently she is an Assistant Professor at S.S. Khanna Girls Degree College, University of Allahabad, Prayagraj. She has 16 years research experience. Her field of Research is Blue-green Algae/ Cyanobacteria. She has 21 years of Teaching Experience. She worked as a Guest Faculty in Department of Botany, University of Allahabad, from August 04, 2017 to February, 01, 2018, worked as an adhoc Lecturer at Iswar Saran Degree College, under self-finance scheme of University of Allahabad, from September 01, 2001 to June 30, 2017. Participated and presented papers in 19 National and international Seminar. Participated in 5 Training/ Workshops, published 43 research papers. She is Fellow of Society of Life Sciences of India (F.S.L.Sc.), Fellow of the Indian Botanical Society (F.B.S.) and Fellow of the Institute of Applied Sciences (F.I.A.Sc.). Dr. Richa was Senior Research Fellow since 4th March, 2004 to 24th Jan. 2006 in DBT Project, Worked as women scientist (2007-2010) under DST project. Awarded women scientist scheme-A (WOS-A) under the DST entitled "Molecular Biodiversity analysis of nitrogen fixing cyanobacteria of cyanobacterial germplasm of University of Allahabad".

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Mr. Prakash Yadav was born on 2nd August 1976. He did M. Sc. in Botany in 1999 from the University of Allahabad. He was J.R.F./S.R.F.(Life Science) from February 2002-December 2004. Presently he is Joint Commissioner State Tax, Lucknow. Earlier he was Lecturer of Botany in SMMTD College, Ballia, from December 2004 to September 2008. He has contributed in achieving State Tax Department, Uttar Pradesh, highest NGO award, SKOCH in Finance category for Mukhyamantri Durghatana Beema Yojana

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Dr. Sudhir P. Singh

Dr. Sudhir P. Singh was born on 15th December 1977. He did M. Sc. in Botany in 1999 from the University of Allahabad. Dr Singh has obtained Ph.D. from CSIR-National Botanical Research Institute, Lucknow. He is currently posted as Scientist Centre of Innovative and Applied Bioprocessing (An institute of the Department of Biotechnology, Govt. of India), Sector-81 (Knowledge City), S.A.S. Nagar, Mohali. Dr Singh has made notable contribution in field of research. He has explored the metagenomic resource from diverse habitats in India, and discovered novel enzyme systems with improved properties for catalytic biosynthesis of functional sugar molecules such as D-allulose, and turanose. Biocatalyst systems have also been developed for biosynthesis of prebiotic biomolecules, e.g., fructooligosaccharides, glucooligosaccharides, xylooligosaccharides, levan, dextran, and resistant starch.

Dr. Singh has received Professor Hira Lal Chakravarty Award (2018), Genomics Award, BRSI (2017) and Young Scientist Award, International Bioprocessing Association, France (2017)

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Dr. Rafat Fazil

Dr. Rafat Fazil was born on 26th September 1975. She did M. Sc. in Botany in 1999 and D. Phil. in 2003 from the University of Allahabad. She did B. Ed. In 2013. She is a Science teacher in an Intermediate College, Allahabad. Earlier she was a Guest faculty from 2003 to 2011 at Department of Home Science, University of Allahabad.

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Dr. Siddharth Dutta

Dr. Siddharth Dutta was born on 24th May 1975. He did his M.Sc. in Botany in 1999 and D.Phil. in 2001 from the University of Allahabad. He did Masters in Clinical Research from Manipur University in 2009, PGEM (eMBA) (Marketing) from IMT Ghaziabad in 2010 and doing Digital Transformation from ISB Hyderabad. From Feb. 1999 to Dec. 1999 he was a Junior Research Fellow/ Clinical trial Assistant in Apex Pharmaceuticals, India; from Jan. 2000 to Feb. 2004, as Senior Medical Research Fellow/ Associate in All India Institute of Medical Sciences, India; from March 2004 to March 2006 as Post Doctoral Fellow in Dermatology in University Hospitals of Cleveland, USA; from April 2006 to Dec., 2008 as Medical Research Officer in PGI Chandigarh; from Jan. 2009 to Sept. 2009 as Program Manager in Department of Biotechnology-BIRAC and from Oct. 2009 to Jun. 2009 again as Program Manager in Spacelab Healthcare. Dr. Dutta is a dynamic, dedicated & strategic Architect with expertise in overcoming complete business challenges and making high stake decisions using experience-backed judgement and work ethics in developing innovative plans to successfully establish business from ground level.

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Dr. Avinash Tripathi

Dr. Avinash Tripathi was born on 5th July 1978. He did M. Sc. in Botany in 1999 and D. Phil. in 2005 from the University of Allahabad. He had qualified CSIR-NET-JRF (Life Sciences) and also did M.Sc. in Environmental Sciences. He joined State Civil Services(Executive) in 2015. Currently posted as ADM(J) in Balrampur District. Earlier he taught for 3 Years in Government Inter College/ State Institute of Education UP (2006-2009), 5 Years at UG/PG Level. Joined H.N.B Government PG College, Naini, Prayagraj in September 2009 and continued till December 2014. He also worked as Treasury Officer under Government of Uttar Pradesh for 7 months (December 2014 to July 2015). Dr. Avinash is recipient of Chancellor's Gold Medal for Best Student of University of Allahabad in Year 1999, Girija Dayal Srivastava Gold Medal for standing First in order of Merit at M. Sc. Botany in 1999 and Nihal Chandra Tandon Gold Medal for standing First in order of Merit at M. Sc Botany & Agriculture Botany in 1999. Published 9 research papers & 7 articles in Journals of repute. He played an active role in organization of Kumbh Mela 2019 as Deputy Collector, Kumbh Mela.

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Mr. Nitish Mani Tripathi

Mr. Nitish Mani Tripathi was born on 25th September 1979. He did M. Sc. in Botany in 2000 from the University of Allahabad. He is an Indian Forest Service Officer of 2010 Batch; Uttarakhand Cadre. Presently he is DFO Dehradun. HE IS A Director Dehradun Zoo, joint Director, environment and Member Secretary SEAC Uttarakhand. He joined Dehradun Division in November 2021. Earlier he was at Tarai East Forest Division, Heera Nagar, Haldwani Uttarakhand from 2016 to 2020.

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Dr. Vivek Singh was born on 13th April 1978. He did M. Sc. in Botany in 2000 and D. Phil. in 2005 from the University of Allahabad. He did M. Sc. in Environmental Sciences also. He had qualified CSIR- JRF- NET and worked as JRF, SRF. Presently he is working as Associate Professor in the Department of Botany of Shri JN PG College, Lucknow. He has published 14 Research Papers in National and International Journals. Dr. Vivek is recipient of Chancellor's Medal. He is a Coordinator of IGNOU LSC 2701

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Mrs. Rachna Pandey nee Tiwari was borne on 5th May 1978. She did her M. Sc. in Botany in 2000 from the University of Allahabad. She also did M. Phil. and B. Ed. She worked as a lecturer in S.D College for 5yrs. Then as PGT lecturer in Chandigarh, afterwards shifted to Delhi NCR working as a PGT and TGT Science (Biology). She is a recipient of best teacher award.

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Dr. Alok Raj

Dt. Alok Raj was born on 12th April 1969. He did his Ph. D. from the Department of Botany, University of Allahabad in 2000. Presently he is an Assistant Professor at S.M.D Degree College (Affiliated to J.P. University Chhapra) Distt-Gopalganj. He has 19 years of teaching experience. Dr. Raj has presented more than 12 research papers in national/international seminars and published 3 research papers.

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Dr. Raghvendra Pratap Narayan

Dr. Raghvendra Pratap Narayan was born on 1st January 1977. He did his B. Sc., M. Sc. and Ph.D. from this University in 1999, 2001 and 2008 respectively. He did his Ph.D. under the guidance of Prof. (Ms) Harbans Kaur Kehri on a topic “Effect of Agricultural Intensification on Free Living Dinitrogen Fixers”. Presently Dr. Raghvendra is an Assistant Professor in the Department of Botany, Netaji Subhash Chandra Bose Government Girls PG College, Aliganj Lucknow Uttar Pradesh. After completing his research degree from the Department, in 2008, Dr. Raghvendra joined as an Assistant Professor Microbiology at Mody Institute of Technology and Sciences, Deemed University at Sikar, Rajasthan. In 2009 he was selected for the Higher Education Department, Government of Uttar Pradesh and Joined as Assistant Professor Botany, at Government Degree College Anaugi, Kannauj. In 2012, he was transferred from Kannauj to Netaji Subhash Chandra Bose Government Girls PG College, Aliganj Lucknow and since then Dr. Raghvendra is working there. He has published 15 research papers, wrote 15 book chapters, 5 books and handled one project. He is a member of several academic bodies, Board of Management, Committees etc.

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Dr. Rajiv Dwivedi

Dr. Rajiv Dwivedi was born on 3rd November 1977. He did M. Sc. in Botany in 2001 and D. Phil. in 2007 from the University of Allahabad. He had qualified CSIR NET/ JRF in 2001. Presently he is Assistant Professor In Botany, Deen Dayal Upadhyay Government Post Graduate College, Sitapur. Earlier he worked as Assistant Professor in Botany from June, 2007 To October, 2009, at Mody University, Laxmangarh, Sikar, Rajasthan. Dr. Rajiv published 09 Research Papers In Various National & International Journals, Edited 02 Books, and Published One Book For UG Students

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Dr. Sumbul Jawed Khan

Dr. Sumbul Jawed Khan was born on 7th August 1977. She did M. Sc. in Botany in 2001 from the University of Allahabad. She did her Ph.D. from Indian Institute of Technology, Kanpur, Postdoc from University of Illinois at Urbana- Champaign. Presently she is working as Research Scientist.

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Dr. Piyush Chandra Misra was born on 30th September 1977. He did M. Sc. In Botany in 2001 and D. Phil. in 2007 from the University of Allahabad.

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Mr. Ramesh Singh

Mr. Ramesh Singh was born on 6th January 1980. He did M. Sc. in Botany in 2001 from University of Allahabad. He qualified NET and did B. Ed. Also. Presently he is an Assistant Professor in the Department of Botany. Dr, B.R.Ambedkar Government Girls Post Graduate College Fatehpur . Earlier he was selected by Public Service Commission (U.P) Prayagraj as a Lecturer of Biology, Government Inter college Hamirpur, where he worked from 24 July 2006. to 19 December 2013. Then he got selected as an Assistant Professor of Botany in 2013 by Public Service Commission (U.P) Prayagraj and joined at Government Degree College Ninowa Farrukhabad in December 2013. Then after due to transfer he was Posted at Government Degree College Bahua Dehat Fatehpur in 2017, where he worked up to July 2021. During this period he worked as officiating principal near about two years. Mr. Singh has published 5 research papers. He is a Life time member of Indian Science congress association .

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Dr. Rahat Siddiqui

Dr. Rahat Siddiqui was born on 15th January 1977. She did M. Sc. in Botany in 2001 from the University of Allahabad. After attaining master's Degree in Botany, she pursued Ph.D. in Biotechnology and moved to United Arab Emirates, Dubai in 2006, as an educator. Since then, she has been working in Ministry of Education in Training and Curriculum planning sector. Presently she is Curriculum planner and Trainer in Abu Dhabi. Ministry of Education. Earlier she was Head of Science Department in American Institute of Creative science, Dubai. She is a recipient of number of awards, Best Educator Award 2016 by Creative Science Society of America; Micro Soft Trainer Award 2019; Best Curriculum Analyst Award 2020; Best Trainer Award in 2020 etc.

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Dr. Anita Singh

Dr. Anita Singh was born on 15th July 1979. She did M. Sc. in Botany in 2001 and Ph.D. in Biotechnology from University of Allahabad. She did Post Doc. from Bioengineering Department of Rice University of Houston TX, USA.

Presently she is an Assistant Professor at Botany Department, CMP College, Prayagraj. Dr. Anita has one year Experience as a Woman Scientist at Botany Department, University of Allahabad. Her research work is on bioremediation of pesticides and biofuel production through microbes. As a teacher she is teaching Biotechnology and biochemistry to M.Sc. and B.Sc. students for more than 3 years. She was UGC-JRF in 2002, SRF in 2005 and DST women Scientist award in 2015

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Dr. Rajneesh Chaturvedi

Dr. Rajneesh Chaturvedi was born on 6th June 1979. He did M. Sc. in 2001 and D. Phil. in 2006 from the University of Allahabad. He also did M.Sc. in Biochemistry. Presently he is an Assistant Professor in Botany at Handia P.G. College, Handia, Allahabad

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Dr. Gyan Prakash Sharma

Dr. Gyan Prakash Sharma was born on 16th June 1976. He did his B.Sc.(1998) and M.Sc.(in Botany in 2001) from the University of Allahabad and Ph.D. (2006) from Banaras Hindu University. He was also a Post-Doctoral Fellow at Centre for Invasion Biology, Stellenbosch University, Cape Town, South Africa. Presently he is an Associate Professor at Department of Environmental Studies, University of Delhi, Delhi. Dr. Sharma has almost 45 international peer reviewed publications to his credit. He is a reviewer for 25 international journals which includes journals like Nature- Scientific Reports, PLOS One, Biological Invasions etc. Dr. Sharma is Academic Editor to Journal PLOS One and Tropical Ecology.

Currently working on plant species invasion in particular and looking at various aspects of plant species invasion especially the mechanistic of how invasive species impact ecosystem structure and function in invaded systems. Awarded with International Claude Leon Fellowship, London, FONDECYT- CONICYT fellowship at Institute of Ecology and Biodiversity, University of Chile, Chile ; Innovation Postdoctoral Fellowship - from the National Research Foundation (NRF), South Africa

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Dr. Shabnam Parveen

Dr. Shabnam Parveen was born on 14th July 1978. She did her B. Sc., M.Sc. and D. Phil. in Botany from the University of Allahabad in 1999, 2001 and 2010 respectively. She did her D. Phil. under the guidance of Prof. Nupur Bhowmik on a topic "Studies on the Fossil Flora of Triassic Nidhpur, M. P., India". Presently she is an Assistant Professor (Under self Finance) in the Department of Botany, S. S. Khanna Girls Degree College Allahabad (A Constituent College of University of Allahabad). After completing D. Phil. in 2010 she joined as a Guest faculty in Department of Botany, University of Allahabad. In the Next session worked as a visiting faculty in the Department of Botany, C.M.P. Degree College, Allahabad. After this she got selected as a Guest faculty in the Department of Botany, S. S. Khanna Girls Degree College Allahabad and till date working as an Assistant Professor. Dr. Shabnam published 12 Research articles, 8 Book chapters and 1 Article.

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Mr. Manish Kumar

Mr. Manish Kumar was born on 20th June 1979. He did his B.Sc. in 1999 and M.Sc. in 2001 from the University of Allahabad. After completing M.Sc. degree in 2001 from the Department he had joined as a CRPF in 2006 posting at

Kadarpur Gudgaon, Haryana. He got selected as a Nayab Tehsildar in 2010 posted in Hardoi and Azamgarh. After promotion he had joined Pratapgarh Tehsil as a Tehsildar in 2018. Presently he is at Sitapur.

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Dr. Shraddha Tiwari

Dr. Sharaddha Tiwari was born on 11th October, 1978. She did B.Sc. with Botany in 1999, M.Sc. (Botany) in 2001 from the University of Allahabad. She did her D.Phil. in 2007 under the supervision of Prof. P.K. Khare and the topic of her research was Ecological and Morphological Studies of some Lower Vascular Plants. Presently she is working as Associate Professor in Department of Botany, Bhavan's Mehta P.G. College, Bharwari, Kausambi, U.P.

She received Chancellor's Medal in 1999.

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Dr. Vani Khare

Dr. Vani Khare was born on 4th May 1979. She did M. Sc. in Botany in 2001 from the University of Allahabad. She did Ph. D in Molecular Biology from the University Sains Malaysia, Penang, Malaysia. Presently she is a Postdoctoral Scientist – Asia Institute of Reproductive Longevity and Equality (ACRLE), National University of Singapore, Yong Lu Lin School of medicine (NUSmed). Earlier also she was a Postdoctoral Scientist at Institute of Molecular and Cell Biology (IMCB), Agency for Science, Technology and Research (A*STAR); Post-Doctoral Fellow (DBT India) – Indian Institute of Science Bangalore

Sr Scientist – ReaMatrix/Beckman Coulter – Bangalore. She is a Founder and Managing Trustee – NGO – Faith Foundation Trust India; Founder – Sanrakshan Pte Ltd Singapore

Dr Vani Khare is a distinguished public figure, humanitarian, and scientist, with an unwavering commitment to champion child safeguarding and women's right. She is the visionary founder of



social impact organisation— Faith Foundation Trust in India. Dr. Khare's leadership has ignited significant social change. Her NGO, Faith Foundation Trust, holds the prestigious Guinness World Record for orchestrating the largest child safeguarding session in 2017—an achievement that reflects her resolute dedication to protecting children's rights. Her work has been acknowledged with the Gratitude Award from Nobel Laureate Dr. Kailash Satyarthi, underscoring the profound impact she has made.

Dr. Vani's impact transcends borders, advocating for marginalized communities in Singapore, India, Cambodia, Malaysia, and Indonesia. Her ground-breaking work with Rohingya Refugees and her resolute advocacy for refugee pregnant women's medical rights underscore her unwavering commitment to the most vulnerable. Her organisation's efforts have reached out to half a million children across the globe including the marginalised and displaced population. Her influence reverberates on legislative platforms as well. Her insights and recommendations on safeguarding have been integrated into reports presented in the Parliament of India, further solidifying her as a leading advocate for the welfare of children.

She is also a distinguished “Kallinga Fellow” who worked towards creating solutions to eradicate child marriage alongside Kerala police and other prestigious partners. Recognized by prestigious platforms such as TEDxWomenSingapore and TEDxNationalLibrarySingapore, as “Asian Changemaker” Dr. Vani Khare continues to captivate audiences with her dynamic presence. Her work has been showcased in various media and news networks, solidifying her status as a true influencer and change-maker.

Currently, she is working as scientist at National University Health Systems (NUHS) and the Asia Center of Longevity and Equality (ACRLE), where her focus converges on advancing female reproductive health and longevity research. This new chapter in her life emphasizes her dedication to promising a better and healthier future for women worldwide.

...Dr. Vani Khare

Beyond her scientific and humanitarian roles, Dr. Khare's creative spirit shines through her captivating poetry and impactful writing. Her presence at the esteemed Singapore Poetry Festival and her thought-provoking television series, broadcasted in ten countries, established her as a powerful agent of change. Her few achievements include: Guinness World Record for orchestrating the largest child safeguarding session in 2017- (For her foundation Faith Foundation); Featured as Asian Changemaker by Women in Asia – Singapore -2018; Featured as Asian Changemaker by TEDx Women Singapore and TEDxnational library Singapore in their one-month long exhibition at esteemed Esplanade Library Singapore-2018; Gratitude honor by Nobel Laureate Kailash Satyarthi for significant contribution in Childhood safeguarding movement. – 2018; CMO Asia “Asian Woman Leader Award 2023.

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Mr. Manoj Kant Garg

Mr. Manoj Kant Garg was born on 14th May 1980. He did M. Sc. in Botany in 2002 from the University of Allahabad. He qualified CSIR in 2003 and joined the Department as JRF. He was then selected in UPPSC and joined as Assistant Commissioner Handloom and Textile, Region Lucknow (UP Government. Presently he is posted at Meerut.

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Dr. Ranjana Singh

Dr. Ranjana Singh was born on 1st July 1978. She did M. Sc. in Botany in 2002 and D. Phil. in 2008 from the University of Allahabad. She was Post Doctoral Fellow at the Institute of Science, Fort, Mumbai and the University of Delhi. Presently she is Assistant Professor at Department of Botany in Government Model Degree College, Khurja, Bulandshahar, U.P.

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Dr. Yogesh Pratap Singh

Dr. Yogesh Pratap Singh was born on 14th August 1980. He did M.Sc. in Botany in 2002 and D.Phil. in 2007 from the University of Allahabad. After leaving Botany Department he joined Basic Education Department as Assistant Teacher. Presently working as Academic Resource Person at District Project Office Pratapgarh.

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Dr. Upendra Nabh Tripathi

Dr. Upendra Nabh Tripathi was born on 30th May 1978. He did his B.Sc. in 2000, M.Sc. in 2002 from Department of Botany, University of Allahabad.

He qualified the CSIR–JRF(NET) in 2003 and was promoted to SRF in 2006.

He carried out extensive research work on survey of Macrofungal flora of Allahabad and adjoining areas and completed his Ph.D in Botany with specialisation in Mycology from Department of Botany, University of Allahabad in 2009. He has 21 research publications in international and national journals. He has also taught at undergraduate as well as postgraduate level in Department of Botany, University of Allahabad from 2004 to 2007 as CSIR(UGC) Research Fellow and from 2010 to 2011 as Guest Faculty.

Dr. Tripathi joined IGNOU as an Assistant Regional Director in 2011 and served in various capacities in West Bengal, Haryana, Delhi and Uttar Pradesh. As Regional Director of IGNOU Regional Centres in Karnal and Varanasi Dr. Tripathi successfully carried out various Academic and Administrative activities of IGNOU in Haryana and Uttar Pradesh. As Regional Director he has headed the Admission and Examination activities of these regions.

Presently Dr. Upendra Nabh Tripathi is posted as Regional Director at Varanasi Regional Centre of the University.

Dr. Tripathi headed the training of 2400 Higher Education teachers of Universities and Colleges of Eastern Uttar Pradesh through 06 days Faculty Development Programme of UGC-IGNOU. Dr. Tripathi is the Chairman of Campus Placement Cell of Regional Centre and as a unique measure Dr. Tripathi also organised two placement drives for students of 19 districts of Uttar Pradesh. As an Academic Dr. Tripathi is also providing

academic support to B.Sc. and M.Sc students. Apart from his expertise in Botany, Dr. Tripathi has active interest in Public Administration. He also holds a Masters degree in Public Administration and Post Graduate Diploma in Environment and Sustainable Development. In year 2018 Dr. Tripathi was conferred with Young Scientist Award by Centre for Education Growth and Research.

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Mr. Ashish Kumar

Mr. Ashish Kumar was born on 10th June 1982. He did M. Sc. in Botany in 2003. Mr. Ashish Kumar has obtained B.Ed. as an additional qualification. Currently he is working as Assistant Commissioner Commercial Tax SGST Uttar Pradesh. Previously he worked as a teacher from 2010 to 2013.

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Dr. Dharmendra Kumar Sarraf

Dr. Dharmendra Kumar Sarraf was born on 17th March 1977. He did M. Sc. in Botany in 2003 from the University of Allahabad. Dr. Sarraf has obtained B.Ed., M Ed., M.Sc. (Chemistry & Biochemistry), M.A. (Sociology) and PGDCA degree in addition to D.Phil.

He is currently working as Assistant Professor (Education) at Department of Education, Doctor Harisingh Gour Vishwavidyalaya, Sagar, Madhya Pradesh. Dr. Sarraf has also worked at Food Safety and Drug Administration, Uttar Pradesh. Dr. Sarraf has made major contribution as Associate NCC Officer (ANO) in NCC. Dr. Sarraf's work at NCC has been appreciated by the officer commanding of the unit and selected as Best ANO for the senior division NCC unit. He is member of many department as well as university level committees.

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Mr. Ran Vijay Singh Patel

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Mrs. Neelam

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Mr. Shivakant Mishra Azad

Mr. Shivakant Mishra Azad was born on 25th August 1978. He did M. Sc. in Botany in 2003 from the University of Allahabad. He has qualified CSIR net and also did B. Ed. He is Assistant Professor in the Department of higher education Manendrgarh Koriya C.G. He is a Member in BOS at University level and central Raipur. Earlier he was Lecturer GIC, secondary education U.P.

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Dr. Shalini Dhyani

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He has won several awards during his academic career. He has won 1st prize in Undergraduate level essay competition in University of Allahabad; Hockey Color award by University of Allahabad; Science Faculty Representative for Post Graduate & Ph. D. Scholars in Student Union of University of Allahabad; 2nd prize in under graduate level Science exhibition in University of Allahabad; Participated in many workshops & seminars for urban planning & development.

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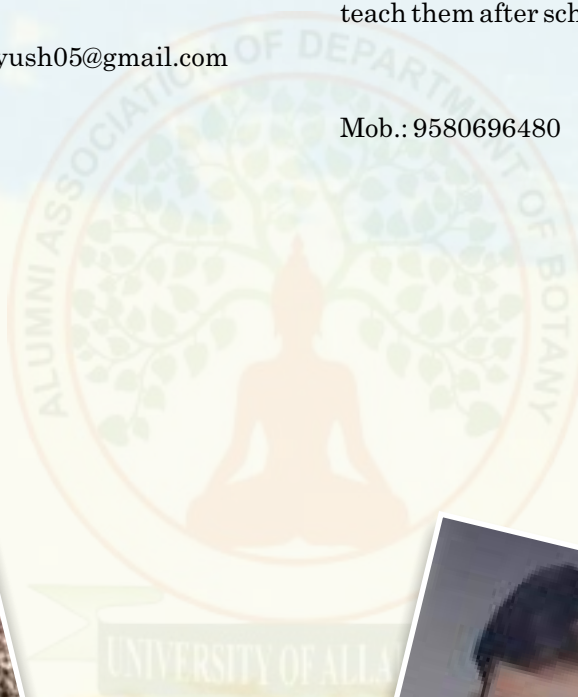
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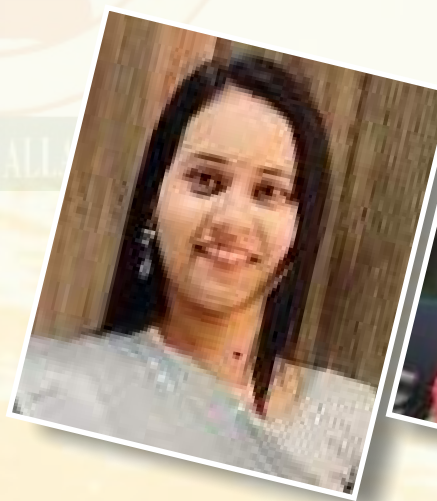
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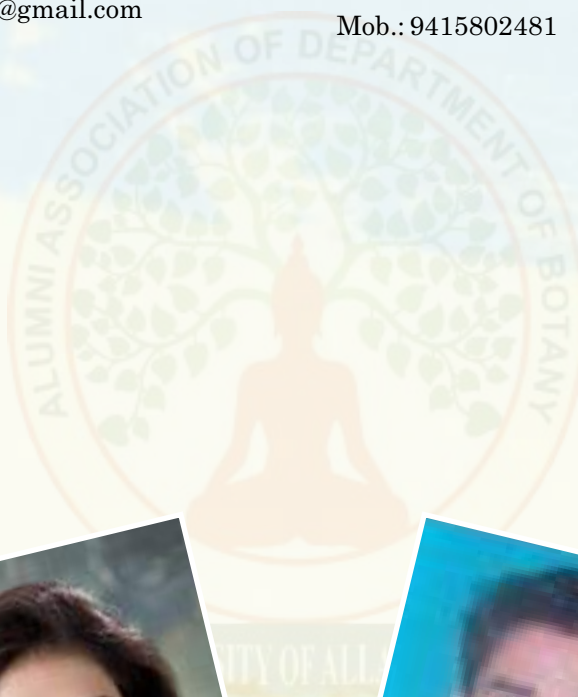
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