




**ZAKIR HUSAIN DELHI COLLEGE**  
**(University of Delhi)**

**Faculty Details**

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<b>Title Dr.</b>	<b>First Name RUCHI</b>	<b>Last Name VIR</b>	<b>Photograph</b>
<b>Designation</b>	<b>ASSISTANT PROFESSOR</b>		
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<b>Web Page</b>			
<b>Educational Qualification Ph.D</b>			
<b>Degree</b>	<b>Institution</b>	<b>Year</b>	
<b>Ph. D</b>	<b>Department Of Botany, University of Delhi</b>	<b>2009</b>	
<b>M. phil</b>	<b>Department Of Botany, University of Delhi</b>	<b>2003</b>	
<b>M. Sc.</b>	<b>Department Of Botany, University of Delhi</b>	<b>2002</b>	
<b>B. Sc</b>	<b>Ramjas College, University of Delhi</b>	<b>2000</b>	
<b>Career Profile</b>			
<ul style="list-style-type: none"><li>• Assistant Professor (Zakir Husain Delhi College) from January 2024 – till date</li><li>• Assistant Professor (Zakir Husain Delhi College) from July 2017 – December, 2023</li><li>• Assistant Professor (Shivaji College) from January 2017– May, 2017</li><li>• Assistant Professor (Dayal Singh College) from January 2016 – December, 2016</li><li>• Assistant Professor (Sri Venkateswara College) from August 2010 – May, 2015</li><li>• Assistant Professor (Swami Shradhanand College) from August 2009 - 31March 2010</li><li>• Assistant Professor (Ramjas College) from Nov 2008 - 30 April 2009</li></ul>			

<p><b>Administrative Assignments</b></p> <ul style="list-style-type: none"> <li>• President Botanical Society “Nargis” ZHDC 2024-2025</li> <li>• Member Arts and culture Society since July, 2024</li> </ul>
<p><b>Areas of Interest / Specialization</b></p> <p>Genetics, Molecular Biology, Biotechnology, Bioinformatics.</p>
<p><b>Subjects Taught</b></p> <p>Genetics, Molecular Biology, Biotechnology, Bioinformatics, Biodiversity, Archegoniate, Reproductive biology of angiosperms, Anatomy.</p>
<p><b>Research Guidance</b></p> <p>-</p>
<p><b>Publications Profile</b></p> <ul style="list-style-type: none"> <li>• <b>Ruchi Vir</b>, Tabassum Jehan, K. V. Bhat, Suman Lakhanpaul (2023). Assessment of genetic diversity among of subgenus <i>Ceratotropis</i> of genus <i>Vigna</i> Savi. Using amplified fragment length polymorphism (AFLP). <i>Vegetos</i>. (published online 9 July, 2023).</li> <li>• <b>Ruchi Vir</b>, Tabassum Jehan, K. V. Bhat, Suman Lakhanpaul (2023). Molecular characterization and phylogenetic relationships in Asiatic <i>Vigna</i> using ITS and cpDNA loci. <i>Vegetos</i>. 36: 1397-1412.</li> <li>• <b>Ruchi Vir</b>, Tabassum Jehan, K. V. Bhat, Suman Lakhanpaul (2023). Phylogenetic analysis of selected Asiatic <i>Vigna</i> species based on PCR-RFLP of three non-coding cpDNA loci. <i>Vegetos</i>. 36: 1172-1179.</li> <li>• <b>Ruchi Vir</b> and Vipin Kumar (2021). Role of plant tissue culture in improvement of horticultural crops. <i>Annals of Horticulture</i> 14(1):1-6.</li> <li>• <b>Ruchi Vir</b>, Jehan T, Bhat KV, Lakhanpaul S (2010) Genetic characterization and species relationships among selected Asiatic <i>Vigna</i> Savi. <i>Genetic Resources and Crop Evolution</i>. 57:1091-1107.</li> <li>• <b>Ruchi Vir</b>, K. V. Bhat, S. Lakhanpaul (2009). Transferability of Sequence Tagged Microsatellite Sites (STMS) to the other pulse yielding taxa belonging to tribe Phaseolae. <i>International Journal of Integrative Biology</i>. 5:62-65.</li> <li>• <b>Ruchi Vir</b>, K. V. Bhat, S. Lakhanpaul (2008) Analysis of population substructure, genetic differentiation and phylogenetic relationships among selected Asiatic <i>Vigna</i> Savi species. <i>Genetic Resources and Crop Evolution</i>. 56:783-795.</li> </ul>
<p><b>Conference Organization/ Presentations (in the last five years)</b></p> <ul style="list-style-type: none"> <li>• <b>Member of organizing committee</b> in NEP 2020 Orientation and Sensitization program under Malviya Mission teacher training program (MM-TTP) of University Grants Commission (UGC) organized by UGC-MMTC (GAD-MMTC), Shri Guru Tegh Bahadur Khalsa College, University of Delhi from August 6<sup>th</sup> to 16<sup>th</sup>, 2024.</li> <li>• <b>Convenor</b> at “International Conference cum Workshop on Making Sense of Omics: Proteomics, Transcriptomics, and Molecular Drug Design (Hybrid Mode)”, organized by Zakir Husain Delhi College, University of Delhi, April 23<sup>rd</sup>-24<sup>th</sup>, 2024.</li> <li>• <b>(Quiz Moderator)</b> Dr, Virendra Kumar Rolling Shield Environmental Quiz organized by Department of Botany, Zakir Husain Delhi College, University of Delhi on February 16<sup>th</sup>, 2024.</li> <li>• <b>Attended and Poster presentation</b> at “National conference on advances in plant Biology (APB 2023): innovations and strategies for sustainable agricultural productivity for Viksit Bharat @</li> </ul>

2047". Hansraj College, University of Delhi. February 10<sup>th</sup>, 2024.

- **Attended and Poster presentation** in 2 days virtual international conference on “Bioinformatics in biology: from prerequisite to post requisite”. Gargi college, University of Delhi. March 2<sup>nd</sup> -3<sup>rd</sup> 2024.
- **Oral presentation** at “International Conference cum Workshop on Making Sense of Omics: Proteomics, Transcriptomics, and Molecular Drug Design (Hybrid Mode)”, organized by Zakir Husain Delhi College, University of Delhi, April 23<sup>rd</sup>-24<sup>th</sup>, 2024.
- **Poster presentation** at “International Conference cum Workshop on Making Sense of Omics: Proteomics, Transcriptomics, and Molecular Drug Design (Hybrid Mode)”, organized by Zakir Husain Delhi College, University of Delhi, April 23<sup>rd</sup>-24<sup>th</sup>, 2024.
- **Organising committee member** at “Training Program on Food Safety”, organized by Department of Botany, Zakir Husain Delhi College, University of Delhi on October 20<sup>th</sup>, 2023.
- **Cordinator** at “International Conference cum Workshop on Proteomics, Transcriptomics, and Molecular Drug Design: An Integrated Omics Approach”, organized by Zakir Husain Delhi College, University of Delhi, May 25<sup>th</sup>-27<sup>th</sup>, 2022
- **Cordinator** at “Digital Upskilling Workshop for Laboratory Staff” organised by Zakir Husain Delhi College, University of Delhi, February 15<sup>th</sup>-17<sup>th</sup>, 2022
- **Cordinator** at “Refresher Course on Laboratory Techniques for laboratory staff” organised by Zakir Husain Delhi College, University of Delhi, February 7<sup>th</sup>-11<sup>th</sup>, 2022.
- **Organising committee member** at “National Workshop on Statistical Analysis of Biological Data”, organised by Zakir Husain Delhi College, University of Delhi, January 17<sup>th</sup>-February 21<sup>st</sup>, 2022
- **Organising committee member** at “A Webinar on “From Analog Environments to Careers in Astrobiology”, organised by Zakir Husain Delhi College, University of Delhi, November 16<sup>th</sup>, 2021
- **Organising committee member** at Webinar on “Let’s Learn Hydroponics- The Future of Smart Farming” organised by Zakir Husain Delhi College, University of Delhi in association with Eeze grow Hydroponics, October 05<sup>th</sup>, 2021
- **Organising committee member** at Webinar on “Intellectual Property Right: An Overview” organised by Zakir Husain Delhi College, University of Delhi, October 01<sup>st</sup>, 2021
- **Coordinator** at “National Workshop of National Workshop on “Bioinformatics: Resources, Tools, and its application”, organised by Zakir Husain Delhi College, University of Delhi, July 19<sup>th</sup>-27<sup>th</sup>, 2021.
- **Cordinator** at Workshop on Plant Tissue Culture organized by Department of Botany, Zakir Husain Delhi College, University of Delhi, during March 8<sup>th</sup>-9<sup>th</sup>, 2019.
- **Organising committee member** at Workshop on Analytical Instrumentation Techniques organized by Department of Botany, Zakir Husain Delhi College, University of Delhi in association with M/s sv Instrument Analytica Pvt. Ltd, Gurugram during October 6<sup>th</sup>-7<sup>th</sup>, 2018.
- **Organising committee member** at Workshop on Art of Scientific Writing & Communication Skills organized by Department of Botany, Zakir Husain Delhi College, University of Delhi, during July 16<sup>th</sup>-23<sup>rd</sup>, 2018.
- **Organising committee member** at National Conference on Genetics-Environment Interface: Science and Spirituality; organized in memory of Dr. Virendra Kumar; organized by Department of Botany, Zakir Husain Delhi College, University of Delhi, on January 25<sup>th</sup>, 2018
- **Organising committee member** at National Conference on Challenges and Strategies to Improve

Crop Productivity in Changing Environment: An Integrated Approach organized by Department of Botany, Zakir Husain Delhi College, University of Delhi, on January 12<sup>th</sup>, 2018.

### Book Chapters

- **Ruchi Vir**, Suman Lakhanpaul, Sonal Malik, Suraj Umdale, K. V. Bhat, (2016). Utilization of germplasm for the genetic improvement of Mung bean [*Vigna radiata* (L.) Wilczek]: the constraints and the opportunities. © Springer International Publishing Switzerland 2016. V.R. Rajpal et al. (eds.), *Gene Pool Diversity and Crop Improvement*, Sustainable Development and Biodiversity 10, DOI 10.1007/978-3319-27096-8\_12.
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### Awards and Distinctions

- Council of Scientific and Industrial Research- Senior Research Fellowship in 2005.
- Council of Scientific and Industrial Research- Junior Research Fellowship in 2003.
- Council of Scientific and Industrial Research- LS in 2002.

### Association With Professional Bodies

- Delhi University Botanical Society

### Other Activities

- Attended an interactive session on how nature helps you Nurture the Economy” organized by Bhaskaracharya College of Applied Sciences, University of Delhi, July 28<sup>th</sup>, 2024.
- Participated in four weeks Faculty Induction/Orientation Programme for “Faculty in Universities/Colleges/Institutes of Higher Education” organized by Teaching learning center Ramanujan College, University of Delhi, sponsored by Ministry of Human Resource Development, Pandit Madan Mohan Malaviya National Mission on Teachers and Training during January 22<sup>nd</sup> to February 20<sup>th</sup>, 2024 and obtained grade A+.
- Visit to National Institute of Immunology as faculty nominee under Science Setu program on February 28<sup>th</sup>, 2024.
- Visit to National Institute of Immunology as faculty nominee under Science Setu program on April 29<sup>th</sup>, 2024.
- Participated in two weeks refresher course on “Life Sciences” organized by Teaching learning center Ramanujan College, University of Delhi, sponsored by Ministry of Human Resource Development, Pandit Madan Mohan Malaviya National Mission on Teachers and Training during February 28<sup>th</sup>– March 13<sup>th</sup>, 2024 and obtained grade A+.
- Visit to National Institute of Immunology as faculty nominee under Science Setu program on February 28<sup>th</sup>, 2024.
- Visit to National Institute of Immunology as faculty nominee under Science Setu program on April 29<sup>th</sup>, 2024.
- Visit To Aravalli Biodiversity Park, Vasant Vihar on February 9<sup>th</sup>, 2024.
- Botanical excursion to Mukhteshwar and Nainital from October 15<sup>th</sup> -19<sup>th</sup>, 2023.
- Preparation of Guidelines for the teaching of theory, practicals and practical examination of the course B.Sc. (Programme) Life Sciences, Sem II, GENETICS AND MOL. BIOLOGY, May 2023.
- Botanical excursion to McLeodganj from September 22<sup>nd</sup> -26<sup>th</sup>, 2022.
- Preparation of Guidelines for the teaching of theory, practicals and practical examination of the course B.Sc. (H) Botany, Sem VI, Bioinformatics, January, 2022.
- **Invited speaker**, Refresher Course on Laboratory Techniques for laboratory staff organised by Zakir Husain Delhi College, University of Delhi, February 7-11, 2022
- Preparation of Guidelines for the teaching of theory, practicals and practical examination of the course B.Sc (Programme) Life Sciences, Sem VI, Bioinformatics (LSDS4), August, 2021.

- **Resource person** at “National Workshop of National Workshop on “Bioinformatics: Resources, Tools, and its application”, organised by Zakir Husain Delhi College, University of Delhi, July 19<sup>th</sup>-27<sup>th</sup>, 2021.
- Participated in one-week international multidisciplinary Faculty Development Programme on “Applications of Genomics, Metagenomics and Bioinformatics in Biological Systems” organized by Sri Aurobindo College, University of Delhi and ICMR AIIMS Computational Genomics Centre in collaboration with Mahatma Hansraj Faculty Development Centre, Hansraj College, University of Delhi, during August 16<sup>th</sup> to August 20<sup>th</sup>, 2021.
- Participated in two days international conference via virtual platform on “Nanomedicine: biomolecules for Human Health-(NBHH2021)” organized by Kirori Mal College, university of Delhi, 27-28<sup>th</sup> September, 2021.
- Participated in two days international conference via virtual platform on “post conference workshop on Nanomedicine-(NBHH2021)” organized by Kirori Mal College, University of Delhi 27-28<sup>th</sup> September, 2021.
- Participated in online workshop on “CRISPR-Mediated Plant Genome Editing” organized by Shivaji College, University of Delhi and the Global Plant Council in collaboration with ICAR-National Rice Research Institute, and Shree Guru Gobind Singh Tricentenary (SGT) University September 27<sup>th</sup> - October 01<sup>st</sup>, 2021.
- Participated at three days international webinar series on “understanding flora from aquatic ecosystem colon towards better conservation and sustainable use” jointly organized by Department of botany, Deshbandhu College, University of Delhi and the Institute of ocean and Earth Sciences University Malaya, Kuala Lumpur Malaysia, from March 26<sup>th</sup> to March 28<sup>th</sup> 2021.
- Participated in international conference on “Genetics and Genomics Technologies for crop improvement” organized by Hansraj College, University of Delhi and International Maize and Wheat Improvement Center (CIMMYT), Mexico in collaboration with Mahatma Hansraj Faculty Development Center Hansraj College University of Delhi on August 1<sup>st</sup> to 3<sup>rd</sup>, 2021.
- Participated in two weeks Faculty Development Programme on "Advanced Concepts for Developing MOOCS" organized by Teaching learning center Ramanujan College, University of Delhi, sponsored by Ministry of Human Resource Development, Pandit Madan Mohan Malaviya National Mission on Teachers and Training during July 2<sup>nd</sup> to July 17<sup>th</sup>, 2020.
- National Conference on Water Sustainability: Conservation, Policy, Ethics and Science Organized by Department of Environmental Studies & Srishti: Nature and Environment Society Zakir Husain Delhi College (University of Delhi), During January 21<sup>st</sup>-22<sup>nd</sup>, 2020.