

Dr Divya Verma

Designation Assistant Professor
Department Botany
Address Kalindi College (University of Delhi)
(Official) East Patel Nagar, New Delhi,
INDIA-110008
Email divyarahilla@yahoo.co.in



Education

Subject	Institution	Year	Details
M.Sc. (Bioinformatics)	University of Edinburgh, Edinburgh, UK	2013	Dissertation: "Can knowledge of the spatial organization of the genome help understand transcription factor binding data?"
Ph.D. (Botany)	Maharshi Dayanand Saraswati University, Ajmer, INDIA	2004	Thesis: A Study on the Aeroallergens of Bikaner (Rajasthan)
M.Sc. (Botany)	Maharshi Dayanand Saraswati University, Ajmer, INDIA	1999	
B.Sc. (Prog.)	Maharshi Dayanand Saraswati University, Ajmer, INDIA	1997	

Career Profile

Organisation/Institution	Designation	Duration	Role
Department of Botany, Kalindi College (University of Delhi), Delhi, INDIA-110008	Assistant Professor	July, 09-Present	
Department of Botany, SD College (Kurukshetra University), Panipat (Haryana), INDIA	Lecturer	July, 04-Nov, 05	• Taught Plant Biodiversity, Cell Biology, Genetics, Plant Breeding and Plant Physiology to B.Sc. students.
Department of Botany, Seth Motilal PG College, (University of Rajasthan) Jhunjhunu (Rajasthan), INDIA	Lecturer	Aug, 03-Feb, 04	• Taught Plant Physiology, Molecular biology and Genetics to B.Sc. students. • Taught Plant Physiology to post graduate students. • Co-ordinated with professionals and academia from the University of Rajasthan and other organizations to establish Botany laboratory for post graduate students of the college.

Research Interests/Specialization

- Bioinformatics:
Working on High Throughput Sequencing Data Analysis and Drug Discovery
- Aerobiology:
Botanical aspects of air born aeroallergens.

Administrative Assignments / Contribution to corporate life

- Head Examiner, B.Sc. Life Science, Semester 3, Biofertilizers, Semester Examination November 2019.
- Core Committee, Admission of Botany (H) Course, Kalindi College (University of Delhi), 2019-20.
- IQAC Core Committee, Kalindi College (University of Delhi), 2019-20
- Member, Committee of Courses and studies for Honours/Postgraduate/Research and Under-Graduate and re-structured course from FYUP to three years and CBCS/Applied Life Sciences (ACPM) undergraduate programme in Botany, Department of Botany, University of Delhi. 2017-19
- Principal investigator, in-house Project entitled “Green Synthesis of Nanoparticles from Leaf Extract of *Rhoeo discolor* and Study Its Antimicrobial Properties”. 2018-2020
- Co-convener, Accounts, Lehen-2019, Kalindi College (University of Delhi), 2018-19.
- Co-convener, Discipline, Oath Ceremony and Fresher’s Welcome 2018-19
- Working Group Member, UGC's Learning Outcome-Based Curriculum Framework (UGC-LOCF) for the revision of the Course titled Microbiology and Phycology Course Code 32161101 in Programme (CBCS) B.Sc. (HONS.) BOTANY. 2018
- Co-coordinator, Environment Studies (Botany), Department of Botany, Kalindi College. 2017-19
- Teacher-in-Charge, Department of Botany, Kalindi College (University of Delhi), 2017-18 to 2018-19.
- Convenor, Timetable Sciences, Kalindi College (University of Delhi), 2018-19.
- Convenor, House Examinations, Kalindi College (University of Delhi), 2018-19.
- Deputy Superintendent, Semester Examinations, November- December 2018 and May 2019, Kalindi College (University of Delhi), 2018-19.
- Convenor, Admission of Botany (H) Course, Kalindi College (University of Delhi), 2018-19.
- Member, IQAC Core Committee, Kalindi College (University of Delhi), 2018-19.
- Coordinator, Sec A : 13 Tuition Fee, Outlook- Drshti UNDERGRADUATE COLLEGES Survey 2018, Kalindi College (University of Delhi)
- Co-coordinator, Sec B Selection Process & Eligibility Criteria, Outlook- Drshti UNDERGRADUATE COLLEGES Survey 2018, Kalindi College (University of Delhi).
- Head Examiner, B.Sc. Life Science, Semester 2, Plant Ecology and Taxonomy, Semester Examination May 2018.
- Bursar, Kalindi College (University of Delhi), 2015-2018.
- Working as OBC (Other Backward Class) liaison officer. 2011-2018.
- Nodal officer, Kalindi College (University of Delhi) for Post-Matric scholarship scheme for Other Backward Classes, 2015-18.
- OBC observer in the selection committees for the appointments of Assistant Professor

- (Ad-Hoc) in various Departments of the college, 2011-2018.
- Convener OBC (Other Backward Class) admission core-committee, 2016-17.
 - Co-convener Fashion Society “*Fashionista*”, Kalindi College (University of Delhi), since 2015-16.
 - Second Examiner, Board of Examiner, B.Sc. (P) Life Sciences 1st Year, Core Courses — Botany Plant Ecology and Taxonomy 2017.
 - Member, IQAC (Internal Quality Assurance Cell), Kalindi College (University of Delhi), since 2015-19.
 - Member, Development Committee, Kalindi College (University of Delhi), 2015-18.
 - Member, Monitoring Committee, Kalindi College (University of Delhi), 2015-18.
 - Member, College Provident Fund Committee, Kalindi College (University of Delhi), 2015-18.
 - Member, Administrative Reform Committee, Kalindi College (University of Delhi), 2015-18.
 - Member, selection committees for the appointments of non-teaching staff (Contract) of various positions in the college, 2016-17.
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- Convener, Proctorial Board, Kalindi College (University of Delhi), 2015-16.
 - Co-convener, Coaching Classes for SC/ST/OBC and Minority Students, Sponsored by University Grant Commission (UGC), Government of India, 2014-16.
 - OBC observer in the selection committees for the appointments of Assistant Professor (Ad-Hoc) in various Departments of the college, 2015-16.
 - OBC observer in the screening committee constituted for the scrutiny of the applications for permanent positions of Assistant Professor in various Departments. 2015-16.
 - Member, screening committee constituted for the scrutiny of the applications for permanent positions of Administrative officer and Section Officer. 2015-16.
 - Member, Committee for CBCS Courses, Kalindi College (University of Delhi), 2015-16.
 - Member, Grievance Committee, Kalindi College (University of Delhi), 2015-16.
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- Convenor, Fashion Society “*Fashionista*” Kalindi College (University of Delhi). 2014-15
 - OBC observer in the screening committee constituted for the scrutiny of the applications for permanent positions of Assistant Professor in various Departments. 2014-15
 - Convenor, Coaching Classes for SC/ST/OBC and Minority Students, Sponsored by University Grant Commission (UGC), Government of India, 2014-15.
 - OBC observer in the selection committees for the appointments of Assistant Professor (Ad-Hoc) in various Departments of the college, 2014-15.
 - Member, Proctorial Board, Kalindi College (University of Delhi), 2014-15.
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- Convener Bio-Chemical Society. 2013-14
 - OBC observer in the selection committees for the appointments of Assistant Professor (Ad-Hoc) in various Departments of the college, 2013-14.
 - Co-convener Fashion Society “*Fashionista*”. 2013-14
 - Co-convener *Vigyan Vividha*- 1st inter-college science festival 2013-14.
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- Convener OBC (Other Backward Class) admission committee. Since 2011
 - OBC observer in various selection committees for the appointment of Assistant Professors on ad-hoc basis in various Departments, 2011-12.
 - Convener *Dumb-Charades* (Cultural) Society 2011-12.
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- Deputy-superintendent for conducting semester examinations. 2010-11.

- Member, Admission Committee Physics (H), 2010-11
- Member, OBC (Other Backward Class) Admission Committee, 2010-11
- Co-convener Bio-Chemical Society. 2009-2010
- Member, Stage Decoration, Cultural Fest- *Lehren*, 2009-10
- Member, Seating and Shamiana, Cultural Fest- *Lehren*, 2009-10

Teaching Experiences (Subject/Courses taught)

- Teaching Plant Biodiversity, Evolutionary Biology, Plant Systematics, Cell Biology, Plant Physiology, Plant Anatomy, Bioinformatics, Cell and Molecular Biology, Genetics and Genomics to B.Sc. (Prog.) life Sciences students.
- Teaching Plant Biodiversity, Plant Systematics, Plant Physiology, Plant Anatomy, Cell and Molecular Biology, Genetics and Genomics and Bioinformatics to B.Sc. (Hons.) Botany students.
- Teaching Environment Studies to the students of all the streams of Science, Commerce and Humanities.
- Taught Plant Biodiversity, Cell Biology, Genetics, Plant Breeding and Plant Physiology to B.Sc. students of SD College (Kurukshetra University).
- Taught Plant Physiology, Molecular biology and Genetics to B.Sc. students of Seth Motilal PG College, (University of Rajasthan).
- Taught Plant Physiology to post graduate students of Seth Motilal PG College, (University of Rajasthan).

Publication (Peer Reviewed/Indexed Journals)

Year	Title	Journal (Name of the journal. Vol Issue ISSN)	Co-Author
2017	An Era of Computer-aided research in Medicinal Plants	In Peer reviewed proceedings of National Seminar "A Paradigm Shift Towards Empowerment of Women" Kalindi College (Univ. of Delhi). Pp. 97-107 ISSN: 2348-9014	Abhijitha C. S. and Singal A.
2017	Recent Advances in the Application of Biotechnology in Medicinal Plants	In Peer reviewed proceedings of National Seminar "A Paradigm Shift Towards Empowerment of Women" Kalindi College (Univ. of Delhi). Pp. 108-114 ISSN: 2348-9014	Sharma R. and Parveen S.
2016	Protein Kinase A-like Kinase and Cell Division Related Protein Kinase 2 as Drug Target for African Sleeping Sickness	Int. Jour. of Biotech. and Biomed. Sci. 2016; 2(1): 27-31. ISSN: 2454-4582	Rashmi Shakya

2015	Next Generation Genome Re-Sequencing: Tools for Identification and Validation of Variants.	<i>Int. Jour. of Comp. Biol. and Bioinfo.</i> 2015; 1:1.	
2015	Comparative Study of Sequence Assemblers.	Yearly Academic Journal, Kalindi College (Univ. of Delhi). 2014-15. ISSN: 2348-9014	

Seminar/Workshop/Conferences Presentation/Organisation

- Participated in 23rd Refresher Course in Life Sciences & Biotechnology organized by UGC- Human Resource Development Centre, Jawaharlal Nehru University, New Delhi from 10th October to 2nd November, 2018.
- Presented a paper titled “An Era of Computer-aided research in Medicinal Plants” at two day DST sponsored National Seminar entitled " सक्षममहिला, सक्षमसमाज, एकवैज्ञानिकदृष्टिकोण : A Paradigm Shift Towards Empowerment of Women" organized by science departments of Kalindi College, University of Delhi at College Premises on February 3rd and 4th, 2017.
- Presented a paper titled “Recent Advances in the Application of Biotechnology in Medicinal Plants” at two day DST sponsored National Seminar entitled " सक्षममहिला, सक्षमसमाज, एकवैज्ञानिकदृष्टिकोण : A Paradigm Shift Towards Empowerment of Women" organized by science departments of Kalindi College, University of Delhi at College Premises on February 3rd and 4th, 2017.
- Presented a paper titled “Treasure of Herbal Plants in the Kalindi College” at two day DST sponsored National Seminar entitled " सक्षममहिला, सक्षमसमाज, एकवैज्ञानिकदृष्टिकोण : A Paradigm Shift Towards Empowerment of Women" organized by science departments of Kalindi College, University of Delhi at College Premises on February 3rd and 4th, 2017.
- Resource person for add-on course on “**Bioinformatics and In-Silico Medicine-2016**” organised by Miranda House from January, 2016.
- Presented a paper titled “**Protein Kinase A-like Kinase and Cell Division Related Protein Kinase 2 as Drug Target for African Sleeping Sickness**” at International Conference on Public Health: Issues, challenges, opportunities, prevention, awareness (Public Health: 2016) held at Daulat Ram College, University of Delhi, New Delhi, India, on 15th and 16th January, 2016.
- Paper Titled: “**Protein Kinases as Drug Target against *Trypanosoma brucei***” has been accepted for presentation at the 2016 Hawaii University International Conferences to be held from Friday January 8 to Monday 11, 2016 in Honolulu, Hawaii, USA.
- Participated in **Orientation Course** organized by **UGC- Human Resource Development Centre**, Jawaharlal Nehru University, New Delhi from 24th August, 2015 to 18th September, 2015
- **Participated** in **ICOLL 2015** organized by International Economics Development and Research Center (IEDRC) on 20-21 July, 2015 in Paris, France.
- Resource person for add-on course on “**Bioinformatics and In-silico Medicine-2014**”

organised by Miranda House from January 2014.

- Participated in the **9th Symposium on frontiers in Biomedical Research** organized by Dr. B.R. Ambedkar Center for Biomedical Research, University of Delhi from 14-16th April, 2014.
- Participated in the **National Symposium on Infectious Disease: Advancements in Diagnosis, Therapeutics and Vaccines** organized by Bhaskaracharya College of Applied Sciences (University of Delhi), New Delhi on 20th and 21st March, 2014.
- Participated in **19th refresher course in Life Sciences** organized by Academic Staff College, Jawaharlal Nehru University, New Delhi from 13th January, 2014 to 7th February, 2014.

- Attended **2nd Quarterly Edinburgh Bioinformatics Meeting** on 30th July, 2013.
- Attended **Next Generation Bioinformatics User Group (NextGenBug) 31st meeting** on 10th June, 2013 at Roslin Institute, Edinburgh.
- Attended **1st Quarterly Edinburgh Bioinformatics Meeting** on 29th April, 2013.
- Workshop on “**Project Planning for Bioinformatics, Systems and Synthetic Biology & Drug Discovery**” on 25 February, 2013 organized by Institute for Academic Development, University of Edinburgh.

- Workshop on “**Effective Presentation**” organized by Institute for Academic Development, University of Edinburgh. October, 2012.

- Attended **ILL-ICT workshop for Capacity Building** organized by University of Delhi. 2010.

Awards & Distinctions

- Selected by University of Delhi for the FTP scholarship (Funded by University Grants Commission, Government of India) to pursue Masters in Bioinformatics at University of Edinburgh, UK in 2012.

- Awarded Junior Research Fellowship through an Examination conducted by Council of Scientific and Industrial Research (CSIR) and University Grants Commission (UGC), Government of India in 2002.

Professional Societies Memberships

Full membership of international forum ‘The Organization for Women in Science for the Developing World’.