


## FACULTY PROFILE

<b>Title (Dr.)</b>	Dr. Kalpana Kumari			
<b>Designation</b>	Associate Professor			
<b>Department</b>	BOTANY			
<b>Address (Official)</b>	Kalindi College, University of Delhi, East PatelNagar, New Delhi-110008			
<b>Phone No.</b>	01125787604			
<b>Email</b>	kalpanakumari@kalindi.du.ac.in			
<b>Education</b>				
<b>Subject</b>	<b>Institution</b>	<b>Year</b>	<b>Details</b>	
Ph.D.	Vikram University, Ujjain, Madhya Pradesh	2006	"Ecological Assessment and Utilizing potential of Fly Ash in certain vegetable crops"	
M.Phil.	Vikram University, Ujjain, Madhya Pradesh	2000	"Response of Maize Cultivars against Sulphur Dioxide Concentration in Open Top Chamber"	
B.Ed.	Vikram University, Ujjain, Madhya Pradesh	2007		
One Year 'O' Level Computer course	Department of Electrical Engineering, B. I. T. Sindri, Dhanbad, Jharkhand	1995		

M.Sc.	Ranchi University, Ranchi Jharkhand	1994	Botany
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### Career Profile

Organisation /Institution	Designation	Duration	Role
Kalindi College	Assistant Professor	July 2009 till date	Teaching, Participation in Departmental & College Activities, Member and Convener in various Committees

### Research Interests/Specialization

- \*Ecology
- \*Environmental Management

### Administrative Assignments / Contribution to corporate life Time Table for Science Courses 2023-2024 CCL Committee 2023-2025

- \*Teacher in Charge, Department of Botany, (2015-2017)
- \*Teacher in Charge, Department of Botany, (2011-2013)
- \*Co Convener CCL committee (2025-2026)
- \*Member CCL committee (2024-2025)
- \*Teacher Feedback committee (2021-2023)
- \*Student Grievances Redressal Cell(2022-2023)
- \*Co Convener for admission of B.Sc.(H) Botany (2025-2026)
- \* Member Admission of B.Sc.(H) Botany (2023-2024)
- \* Member Admission of differently abled students (2022-2023)
- \* Member Admission of differently abled students (2021-2022)
- \*Admission in charge Botany Honors (2020- 2021)

- \* Member Admission of differently abled students (2022-2023)
- \* Admission in charge Botany Honors (2019- 2020)
- \* Admission in charge B.Sc. Life Sciences (2018- 2019)
- \* Admission in charge B.Sc. Life Sciences (2017- 2018)
- \* Admission in Charge and in grievances committee for differently abled students (2014-2017)
- \* Convener of O.B.C. verification committee (2013- 2014)
- \* Admission in charge B.Sc. Life Sciences (2010- 2013)
- \* Convener, Biochemical Society, Organized by Department of Botany, Kalindi College, (2010-2011)
- \* Convener, Biochemical Society Festival TULIP-2017, Organized by Department of Botany, Kalindi College (2016-2017)
- \* Convener Golden Jubilee Festival CYATHIUM-2017, Organized by Department of Botany, Kalindi College, (2016-2017)
- \* Convener for observing National Science Day on 28th February 2017 for persons with disabilities
- \* Coordinator, Equal Opportunity Cell (July 2010 to Nov. 2016)
- \* Convener Scholarship Committee, (2010)
- \* Member, Equal Opportunity Cell (Nov. 2016-till date)
- \* Member Scholarship Committee, (2011-2020)
- \* Member Magazine Committee, (2010-2016)
- \* Member Building Committee, (March 2017-2018)
- \* Convener Magazine Committee for Sciences (2016 -2021)
- \* Liaison Officer for Persons with Disabilities (2016-2020)
- \* Member Moderation Committee Department of Botany, Kalindi College 20110-till date
- \* Teacher Reprehensive in Governing Body, Kalindi College, 2017-2018

\*Admission in charge 2017-2018 B.Sc. Botany Hons(CBCS)

\*Convener Collage Making Lahrein-2018

\*Co Convener Collage making Lahrein 2019

\*Convener: Teacher's Feedback Committee 2020 -2022

\*Member: Prizes Committee, Annual Day 2017-2022

### Teaching Experiences (Subject/Courses taught)

- B.Sc. Applied Life Sciences (Environmental Science and Botany)
- B.Sc. Applied Physical Science (Botany)
- B.Sc. Life Sciences (Botany)
- B.Sc. Physical Sciences (Botany)
- FYUP Botany Hons. (Botany)
- B. Sc.(CBCS) Life Sciences (Botany)
- Science, Humanities and Commerce (Environment Studies)
- B.Sc.( CBCS) Botany Honours

**Research Guidance** NIL

### Publication (Peer Reviewed/Indexed Journals)

Year of Publication	Title	Journal (Name of the journal. Vol Issue ISSN)	Co-Author
2002	"Impact of climatic variability and climate change on soil and crop productivity"	Science and culture Page no. 233-243 volume 68, number 9-12, Sept- Dec. 2002, ISSN NO 0036-8156	Dr. Naveen Kalra et. All

2003	“Effect of Fly Ash on Growth and Nutritional Status of Spinach”	Proceeding 3rd International Conference on Fly Ash utilization and Disposal, New Delhi	Dr. P. S. Dubey
2015	“Utilizing Potential of Fly Ash in Growing <i>Solanum Melongana</i> L.	Contemporary Science Deen Dayal Upadhyay College, University of Delhi, Delhi	Dr. P. S. Dubey
2015-2016	Current Scenario of Fly Ash Management in Urban India	Kalindi College Yearly Academic Journal, Vol. 15, ISSN 2348-9014, Page No 1-14	NA
2015-2016	“Aadhunik Shikhan Taknik evam Hindi	Kalindi College Yearly Academic Journal, Vol. 15, ISSN 2348-9014245-248	NA
2016	“Mahakavi Kalidas rachit natak 'Abhigyanshakuntalam' mein paryavaran pradarshan evam sanrakshan”	Proceeding : Theatre and Dramaturgy in Modern Perspective	NA
2018	“Social Media evam Hindi: Samikshatmak Adhyayan”	In Proceeding Social Media mein Sahitya ka badalta	NA

		swaroop,Swaraj Prakashan,ISBN: 978-93-83515-15- 8,Page N.94-100	
2019	The Role of Women in Biodiversity Conservation in India	Book: Profiling Women in Progressive India , Kunal Books, ISBN:978-93- 86714-62-6,Page No 305-312	NA
2021	“Guduchi: As a Healthy Ageing Medicinal Plant”	Journal Juni Khyat (UGC Care Group I Listed Journal), ISSN: 2278-4632, Vol-11, Issue-01, No.02, Page No 159 to 162	NA
2021	“Vedon me Vanaspati Vigyan - Aoushadhi Poudhon ke Vishesh Sandarbh mein”	International Journal of Sanskrit Research ‘Ananta’, Vol 7, Issue 1, ISSN 2394- 7519, Page No.13 to 16	NA
January -Marh, 2021	“Sanskrit Sahitya mein manwiya samvedna-vanaspatiyon ke vishesh sandarbh mein”	Shodh Sarita ISSN - 2348-2397 UGC Care Listed	NA

		Journal Vol. 8, Issue 29 Page Nos. 5-8	
January -Marh, 2021	“Gender Steriotypes: A major Barrier towards Gender Equality in India”	Shodh Sanchar Bulletin ISSN – 2229--3620 UGC Care Listed Journal Vol. 11, Issue 41, Page Nos. 119-122	NA
2020- 2021	“Mahilaon ke Sashaktikaran mein Samajik Media ki Bhoomika”	Yearly Academic Journal, kalindi College, University of Delhi, ISSN: 2348-9014, Volume: XX	NA
Januar y to March 2022	“Vartman Samay mein Kalidas ke Sahitya ki Upadeyata-Wan evam Wanya Jeev Sanrakshan ke Sandarbh mein”	Shodh Disha UGC Approved Care Listed Journal, Shodh Ank 57/2, ISSN 0975-735X, Page no.95-99	NA
2021- 2022	“Concept of Metabolism in Ayurveda”	Yearly Academic Journal, Kalindi College, University of Delhi, ISSN: 2348-9014, Volume: XXI	NA

2022-2023	“Biofertilizer a Boon for Sustainable Agriculture”	Yearly Academic Journal, Kalindi College, University of Delhi ISSN: 2348-9014, Volume: XXII,	NA
2024	Adoption of Golden Rice: A Boon for the Children Suffering from Vitamin A Deficiency	Journal of Advanced Scientific Research ISSN: 0976-9595 Volume 15 (2): Page no. 01-06	NA
2024	Azolla: A Unique Organism That Can Substitute Nitrogenous Fertilizers In Rice Cultivation In North Eastern India	Indian Journal of Plant Sciences, ISSN: 2319-3824, Volume 13 Page no. 5-13	NA
2024	Restoration of Degraded Land Can Be a Key Pathway to Achieve Food Security in India	International Journal of Research and Review E-ISSN: 2349-9788; P-ISSN: 2454-2237 Volume 11; Issue: 6 Page no. 752-761	NA
2024	Application of Liposome: A Lipid Nanoparticle in Medicine and Drug Delivery	International Journal of Science and Healthcare Research	NA

		ISSN: 2455-7587, Vol. 9; Issue: 2, Page no. 439-450	
2024	Plant Molecular Farming: An Emerging Opportunity For Biopharmaceuticals	Journal of Advanced Scientific Research ISSN 0976-9595, Volume 15 (6) Page No. 01-08	NA

### **Seminar/Workshop/Conferences Presentation/Organisation**

#### **INTERNATIONAL CONFERENCE/SEMINAR**

- 2003"Effect of Fly Ash on growth and nutritional status of Spinach 3rd International Conference on Fly Ash utilization and Disposal held on 19th to 21st February, organized by Central Board of Irrigation and Power, New Delhi, Delhi India.
- 2016 "Vedon mein Vanaspati Vigyan, Oushadhi Poudhon ke Vishesh Sandarbh mein" in the 12th International Conference of WAVES 2016 on Scientific Aspects of Vedic Knowledge held on 15th to 18th December, at Bhartiya Vidya Bhawan, New Delhi, India
- "Biofertilizer:A boon for Sustainable Agriculture" in International Conference held on "Spatial Decision Support Systems for United Nations Sustainable Development Goals" Sponsored by DST and Ministry of Earth Sciences held on 1st and 2nd February,2017and organized by Department of Geography, Kalindi College, University of Delhi, India

●2017"Abhigyanshakuntalam mein warnit Vanaspatiyon mein Jivan Moolya"in the International Seminar "Sanskrit Literature and Human Value" held on 2nd and 3rd March, organized by Sanskrit Department Kalindi College, University of Delhi, New Delhi, India

●2017"Social media evam Hindi-samikshatmak Adhyayan"in the International Seminar " Social media mein Sahitya ka Badalta Swaroop"held on 9th and 10th March, organised by Hindi Department Kalindi College,University of Delhi, India

#### **NATIONAL CONFERENCE/SEMINAR**

●2016 "Current Scenario of Fly Ash Utilization in Urban India" On UGC Sponsored National Seminar on "Environmental Ethics, Resource Depletion and Sustainable Development" held on 25th and 26th February Kalindi College, University of Delhi

●2016"Vartman Samay mein Aadhunik Shikshan Taknik aur Hindi" on UGC Sponsored National Seminar on "Madhyakalin Sahitya Shikshan ki Chunoutiyan"" held on 10th and 11th March, Kalindi College, University of Delhi

●2016 "Fly Ash- Issues and Challenges" on UGC sponsored National Seminar on "Emerging Economics and Challenges to Sustainability Towards Developing Nations" held on 29th-30th March Sir Aurbindo College, Morning, University of Delhi

- 2016"Mahakavi Kalidas Rachit Abhigyanshakuntalam mein paryavaran pradarshan evam Sanrakshan"on UGS sponsored National Seminar on "Theatre and Dramaturgy in Modern Perspective"held on 10th to 11th August,organised by Department of Sanskrit, Kalindi College, University of Delhi, Delhi
- 2017"Tinospora an Excellent Medicinal Plant" on DST sponsored National Seminar on "A Paradigm Shift Towards Empowerment of Women", held on 3rd-4th February,organised by Science Departments, Kalindi College, University of Delhi, Delhi
- 2017 "Role of Higher Education in Women Empowerment In India" in National Seminar held on "Women's Rights and Responsibilities in Progressive India: A Discourse" Sponsored by All India Journalist Welfare Association held on 23rd and 24th March and Organized by Department of Journalism Kalindi College, University of Delhi
- 2019 "Urbanization": A major Issue in India in National Conference held on "Urban Environmental Sustainability" February 07th to 08thJointly organized by Zoology Department, Kalindi College, University of Delhi &Mahatma Gandhi Institute of Combating Climate Change (MGICCC), Govt. of NCT, Delhi
- 2019 "Kalidasa's Literature and Biodiversity Conservation" in National Con held on Multi-Dimensional Aspects of Sanskrit and Larger World held on February 15th to 17th Jointly Organized by Sanskrit Department,Jamaia Milia Islamia New Delhi and Rashtriya Sanskrit Sansthan, New Delhi and Bhartiya Darshnik Anusandhan Parishad, New Delhi

## **WORKSHOP ATTENDED**

- ICT Workshop for Capacity Building of Delhi University Faculty held from 16th April to 28th April 2010 at Kalindi College, University of Delhi.
- Workshop on “Assistive Technologies” held from 28th June to 1st July 2010 conducted at the DU-NTPC Foundation ICT Training Centre by the Equal Opportunity Cell of the University of Delhi.
- Workshop on “Bioinformatics: Unravelling Genes and Proteins” held from 10th May to 15th May 2010, organized by the DS Kothari Centre for Research and Innovation in Science Education, Miranda House, University of Delhi.
- Workshop on “Fundamentals of Bioinformatics” held from 26th September to 30th September, 2011 organized by the Department of Botany, Ramjas College at the Institute of Lifelong Learning, University of Delhi
- Workshop on “Environmental Issues in India” held from March 16 & 17, 2012 organized by Institute of Lifelong Learning, Department of History and Indrapastha College for woman University of Delhi.
- Workshop on "Biofertilizer" organised by Department of Botany, Zakir Hussain College, held on 14th and 16th July, 2016
- Workshop on ECOLOGY: MODERN PERSPECTIVES Organized by IQAC and Department of Botany, Hansraj College Under the aegis of DBT Star College Programme held on 12th and 13th December, 2016

## **SHORT TERM COURSE**

- One week Faculty Development Programme on “Biostatistics: Theoretical and Practical Aspects” jointly organized by Department of Mathematics and Department of Botany, Deen Dayal Upadhyaya College, University of Delhi, New Delhi, held on 14th to 18th March 2018
- One week Course on Research Methodology organized by Centre for Professional Development in Higher Education, University of Delhi, New Delhi, held on March 20th to March 26th 2018.
- one week Course on Gender Sensitization Organised by UGC-Human Resource Development Centre, Jamia Millia Islamia, New Delhi 23rd July to 28th July 2018
- Two week FDP on “Samkalin Sandarbh me Sahitya, Rajniti, Media aur Bajar from 27th July to 10th August 2020, organized by Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of Human Resource Development, Pandit Madan Mohan Malviya National Mission on Teachers and Teaching and IQAC Kalindi College
- One week FDP on “ICT Enabled Teaching Learning” from 7th to 13th September organized by Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of Human Resource Development, Pandit Madan Mohan Malviya National Mission on Teachers and Teaching
- One week FDP on “Advanced Pedagogical Studies” October 29 to November

05, 2020, organized by Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of Human Resource Development, Pandit Madan Mohan Malviya National Mission on Teachers and Teaching

- One week FDP “Innovation in Scientific Research method” 14 to 18th October 2020, organized by Kirorimal College under the aegis of DBT star College Scheme 2019 to 2022

- Two week FDP on “Blended Learning: Alternative Dimensions” January 12 to 29 2021 organized by Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of Ministry of Education, Pandit Madan Mohan Malviya National Mission on Teachers and Teaching

- One week FDP on “Systematic Literature Review and Meta-Analysis” from 10th to 16th August organized by Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of Ministry of Education, Pandit Madan Mohan Malviya National Mission on Teachers and Teaching

- One Month Online Training Camp on “Yoga and Traditional Medicine” from 21st May to 21st June 2022 Jointly Organised by Prem Sukh International Charitable Trust, New Delhi, Career Point University Hamirpur and Kalindi College, University of Delhi and Supported by Ministry of Ayush (Govt. of India)

Attended “Integrating Mind, Body & Soul by Practice of Yoga & Exercise” 21 Day’s Live Workshop on the occasion of International Yoga Day organized by Kalindi College from 1st -21st June, 2022

### **Webinar Participated:**

- National Webinar on “Enhancing Quality in OBE Evaluation” on 16th June 2021 organised by IQAC,Janki Devi Memorial College,University of Delhi
- National Webinar on “Humanity’s Call, Vaccine for all Geopolitics of Vaccine Access, R&D and manufacturing” held on 23rd June 2021 organised by Department of Physics, Kalindi College, University of Delhi
- Webinar on “Prachin Vaidik Sanskar-Vidhan evam Adhunik Sandarbh” held on 28th June 2021, organised by Sanskrit Department and Pandit Ganganath Jha Peeth, Allahabad University, Prayagraj
- National Seminar on ‘Innovation and Opportunities in Marine Bioresources & Biotechnology’ Organized by Marine Biotechnology Laboratory Department of Botany, University of Delhi & Cluster Innovation Centre (CIC), University of Delhi 21st August, 2021
- Hands on training session on E-Content Development using Basic Tools Organized by: E- Content Development Committee, Kalindi College, University of Delhi on 27th September, 2021
- National Webinar on ‘Samsamyik Sandarbh mein Mahakavi Kalidas’ organized by Global Sanskrit Forum, Uttar Pradesh 21st November 2021.
- Participated in International Webinar on ‘श्रीमद्भगवद्गीता और जीवनसाफल्य’ organised by widushi samooh prakalp, Global Sanskrit Forum on 26th December

2021

● Webinar on “Understanding Plagiarism Detection Software Ouriginal” organised by University of Delhi in Association with eGalactic Pune on 28th January 2022

**Webinar Organized:**

Biodeterioration and Conservation of Heritage Surfaces on 17/12/2020

Immunity Boosting Herbs to Combat –COVID- 19 on 01/10/2021

**ORIENTATION AND REFRESHER COURSE**

● Orientation -69 Duration December 13,2011-January 09, 2012, organized by Centre for Professional Development in Higher Education Institute of lifelong learning, University of Delhi

● 19th Refresher Course in Environmental Sciences organized by the Academic Staff College, Jawaharlal Nehru University, from 10-02-2014 to 07-03-2014

**Awards & Distinctions**

**NATIONAL AWARD- 2012 (Received by Hon. President Mr, Pranab Mukherjee)**

**Public Service/ University Service/ Consulting Activity DESIGN OF COURSES**

● Member in Revision Committee of the syllabus for B.Sc.(P) Applied Life Sciences (Environmental Sciences) held on October 21, 2011 at Department of Environmental Studies, University of Delhi.

● Joint Examiner in the paper ES301, Environmental Concerns and Health of the course B.Sc. Applied Life Sciences (Environmental Science Part III on 30/03/2012

● Joint Examiner in the Paper Biofertilizer (SEC) for the Course B.Sc. Life Science (CBCS) Semester III in the session Nov./Dec.2016

●J Joint Examiner in the Paper Morphology and Anatomy of Angiosperms for B.Sc.(Hons) Botany Erstwhile FYUP Nov./Dec.2016

●J Joint Examiner in Paper LSPT 615 Ecology and Environmental Management for B.Sc. (P) Life Science Semester VI in the session April/May 2017

**Research Project:**

“Assessment of Microalgae and Aquatic flora in degrading ecosystem of Prasad Nagar Lake, East Patel Nagar, India.”

**Professional Societies Memberships**

Indian Journal of Soil Science Life Member  
ORCID ID:- 0009-0004-4288-9730