




Shivaji College Faculty Details Proforma

Title	Dr.	First Name	Pawan	Last Name	Kumar	Photograph
Designation	Assistant Professor					
Address	Department of Botany, Shivaji College University of Delhi, New Delhi, 110027					
Office Phone No.	NA					
Residence	A45 First Floor, Ashok Vihar, Phase 1, New Delhi 1100052					
Mobile	9810154091					
Email	pawankumar@shivaji.du.ac.in ; pawan.parashar87@gmail.com					
Web-Page	www.botanypedia.com https://www.youtube.com/c/Botanypedia					
Educational Qualifications	PhD (Botany) NET; UGC-JRF-SRF MSc (Botany) BSc (H) Botany					
Degree	University/Institute				Year	
Ph.D.	University of Delhi/Department of Botany				2021	
M.Phil./M.Tech.	NA				NA	
PG	University of Delhi/Department of Botany				2011	
UG	University of Delhi/Kirorimal College				2009	
Any Other Qualification	NA				NA	

Career Profile		
<ul style="list-style-type: none"> • Assistant Professor (Permanent); Department of Botany, Shivaji College: (2023 till present) • Assistant Professor (Adhoc); Department of Botany, Kalindi College: (2019-23) • Assistant Professor (Guest); Department of Botany, Chhatra Marg, University of Delhi: (2018-19) 		
Administrative Assignments		
<ul style="list-style-type: none"> • Appointed as Assistant Coordinator (Sciences) 2023-24, IGNOU, Shivaji College, University of Delhi • Member, NIRF Committee 2023-24, Shivaji College, University of Delhi • Head, NAAC Criteria II, AQAR 2023-24, Shivaji College, University of Delhi • Member, Shivaji Academic Enrichment Centre Committee, 2023-24, Shivaji College, University of Delhi • Co-coordinator, IQAC 2023-24; Kalindi College, University of Delhi • Convener (2023-24), Computational Team; IQAC; Kalindi College, University of Delhi • Member (2020-23) of Computational Team; IQAC; Kalindi College, University of Delhi • Member, Entrepreneurship, Skill Development and Innovation Cell (2020-22), Kalindi College, University of Delhi. • Member, E-content Development Committee (2020-22), Kalindi College, University of Delhi 		
Areas of Interest/Specialisation		
<ul style="list-style-type: none"> • Molecular Biology and Biochemistry of Insect-Plant Interactions • Biostatistics and Bioinformatics • Pests Biology 		
Subjects Taught		
<p>Undergraduate level:</p> <ul style="list-style-type: none"> • Biostatistics • Analytical techniques in Plant Sciences • Industrial & Environmental Microbiology • Plant Biotechnology • Mycology & Phytopathology • Environmental Studies • Bioinformatics • Plant Tissue Culture • Basic laboratory & Field Skills in Plant Biology • Plant taxonomy • Genetics & Molecular Biology • Science & Society • Economic Botany & Biotechnology • Plant Anatomy 		

Postgraduate level:

- Pathogens and pests of crop plants
- Molecular interactions of plants with Symbionts, pathogens and pests

Innovation Project/Research Projects (Major Grants/Research Collaboration)

- “Biochemical Analysis of Leaf & Seed Extracts of Leguminous Flora in the Kalindi College Premises”, funded by Kalindi College, University of Delhi (2020-21; Completed).

Publications Profile (Research Papers/Books)

Research Papers:

- Akhter *et al.*, (2023). "Going Places: Insect Migration". Resonance, 28, 71-84. (Peer reviewed, Scopus/ Web of Science Indexed)
- Kumar *et al.*, (2023). "Total Protein Estimation of Seven Fabaceae Members Growing around Kalindi College Premises by Bradford’s Assay". Yearly Academic Journal of Kalindi College, Vol. XXI, 2022, ISSN: 2348-9014 (Peer reviewed).
- Kumar *et al.*, (2021). Consequences of ‘no-choice, fixed time’-reciprocal host plant switches on nutrition and gut serine protease gene expression in *Pieris brassicae* L.(Lepidoptera: Pieridae). Plos one, 16(1), e0245649. IF: 3.5
- Kumar *et al.*, (2015). "Midgut serine proteases and alternative host plant utilization in *Pieris brassicae* L. Frontiers in physiology, 6, 95." IF: 4.5

Book Chapters:

- Sinha, D., Singh, A., & Kumar, P. (2021). Introduction to Bioentrepreneurship. In Bioentrepreneurship and Transferring Technology Into Product Development (pp. 1-21). IGI Global.

Books:

- "Garden of Life..Learning to blossom within" (2018). ISBN 978-93-87502-29-1

Conference/Seminar/Faculty Development Programme/Workshop

Conferences/Conclaves/Seminars:

- Participated in lecture cum interactive session on “Funding Schemes for Teachers in Higher Education” organized by Kirori College, University of Delhi under aegis of DBT Star College Scheme on March 9, 2024.
- Participated in an International Conference on topic Resurgent Bharat on Global Canvas organized by Shaikshik Foundation in collaboration with NCPSL and Shivaji College, University of Delhi on 25-26 Feb 2024 at Dr Ambedkar International Center, New Delhi.
- Participated in a National Conclave on Environment & Happiness organized by Bharat Vikas Parishad & Center for Himalyan Studies, University of Delhi on November 11, 2022
- Participated in a workshop on “Data Analysis and Statistical Computing” organized by the Department of Statistics, Institute of Social Sciences, Dr. Bhimrao Ambedkar University, Agra.

- Participated in a seminar on “Biodeterioration and Conservation of Heritage Surfaces” organized by the Department of Botany, Kalindi College.
- Participated in a seminar on “Restoring biodiversity & environment sustainability and seasonality of gardens” organized by the Department of Botany, Kalindi College.
- "Influence of host-plants on nutrition and gut proteolytic digestion in two populations of *Pieris brassicae* L. from Kashmir and Delhi, India” vPoster presented at International Conference at Entomological Society of America, ESA, Annual Meeting, November 2019 St. Louis, MO.
- Role of plant protease inhibitors in herbivory by *Pieris brassicae* L. (Lepidoptera: Pieridae) feeding on *Brassica oleracea* L. var. *botrytis* and/or *Tropaeolum majus* L.” Presented Poster at XIX International Plant Protection Congress, IPPC-2019, Hyderabad, India.
- "Host plant switch affects the life history, growth and proteolytic digestion in *Pieris brassicae* L. (Lepidoptera: Pieridae)”: vPoster presented at Entomological Society of America, ESA, ESC and ESBC Joint Annual Meeting, November 2018 Vancouver, Canada.
- “Sequence analyses of Lepidopteran serine proteases and identification of lineages likely associated with adaptations to herbivory”: vPoster in Entomology, Entomological Society of America, ESA, ESC, and ESBC Joint Annual Meeting November, 2018 Vancouver, Canada.
- International Conference on Plant Signalling and Behaviour, Department of Botany, University of Delhi, 2014.

FDPs:

- Completed Four weeks Online Faculty Induction Program (FIP40) organized by Ramanujan College, University of Delhi from 22-11-2023 to 21-12-2023.
- Completed two weeks interdisciplinary faculty development programme on “MOOCs, E-content development, research Methodology and statistical tools in open education world” from 3-08-2021 to 17-08-2021 organized by Kalindi college in collaboration with MHFDC Hans Raj college, University of Delhi.

Resource Person:

- Resource person at E-content Development workshop entitled “Hands-on Training on E-Content Development Using Basic Tools” at Kalindi College, University of Delhi (2022).
- Resource person at DBT sponsored workshop entitled “RuBisCO: From sequence to protein expression” at Miranda House College, University of Delhi (2017).

Courses undertaken:

- Biostatistics Course under the Skill Enhancement Scheme, Department of Botany, University of Delhi (2017-18).

Research Guidance (*Supervision of Doctoral Thesis/Dissertations*)

NA

Awards and Distinctions

NA

Memberships
NA
Other Academic Activities
NA
Cultural/Extracurricular Activities
<ul style="list-style-type: none">• Convener, Botanical Society, Kalindi College, University of Delhi (2022-23).• Member, Pravah: The Committee of the Annual Magazine of Kalindi College (2019-23), University of Delhi.• Member, Flower Show Committee, University of Delhi (2019-22)• Co-Editor, Botanica, Delhi University Botanical Society (DUBS), (2014-16).• Vice President, Delhi University Botanical Society (DUBS), (2014-2015).• Secretary, Delhi University Botanical Society (DUBS), (2012-13).



Signature of Faculty Member