Sri Venkateswara College

(University of Delhi)
Benito Juarez Road, New Delhi - 110021
(Phone No. - 011-2411 2196 : Email - principal@svc.ac.in)

Print Date : 24-11-2026

1. Personal Profile



Title: **Prof.** First Name: **VARTIKA** Last Name: **MATHUR**

Designation: **PROFESSOR** Mobile No. **----------**

Phone No. (Office) **----------** Phone No. (Residence): **----------**

Email: **vmathur@svc.ac.in** Webpage: **https://apilab.co.in/**

Facebook: **----------** Twitter: **https://x.com/drvartikamathu1?lang=en**

LinkedIn: **https://in.linkedin.com/in/vartika-mathur-a2285820** Instagram: **----------**

Youtube: **https://www.youtube.com/channel/UCQ0doJ-QY2E8ULqi97sozGA** Research Gate Link: **https://www.researchgate.net/profile/Vartika-Mathur-2 ; https://www.researchgate.net/lab/Animal-Plant-Interactions-Lab-Vartika-Mathur**

Google Scholar Link: **https://scholar.google.co.in/citations?user=t59qBjQAAAAJ&hl=en**

Address: **S. V. COLLEGE, UNIVERSITY OF DELHI, BENITO JUAREZ ROAD, NEW DELHI - 110021.**

2. Educational Qualifications

Degree/ Certification	Institution	Year
Bachelor of Science (B.Sc.)	Daulat Ram College, University of Delhi	2000
Master of Science (M.Sc.)	University of Delhi	2002
Master of Philosophy (M.Phil.)	University of Delhi	2003
Doctor of Philosophy (PhD)	Wageningen University and Research Centre (WUR), the Netherlands	2012

3. Career Profile & Administrative Assignments

Category	Role/ Designation	Department/ Committee	Date From - To	Remarks
ADMINISTRATIVE ASSIGNMENTS	MEMBER	FOREIGN LANGUAGES Sri Venkateswara College	01.Jul.2015 - 30.Jun.2017	

ADMINISTRATIVE ASSIGNMENTS	CHAIRMAN	STAFF ADVISORY COMMITTEE TO THE STUDENTS UNION Jamia Millia Islamia, New Delhi	01.Dec.2015 - 01.Dec.2015	Chaired two sessions in the National orientation course for assistant professors conducted by Academic staff college, Jamia Millia Islamia, New Delhi, on 1st December 2015.
ADMINISTRATIVE ASSIGNMENTS	CONVENER	RESEARCH COMMITTEE Sri Venkateswara College	01.Aug.2020 - Till date	
ADMINISTRATIVE ASSIGNMENTS	OTHERS	STAFF ADVISORY COMMITTEE TO THE STUDENTS UNION University of Delhi	21.May.2019 - 21.May.2019	External examiner to evaluate MSc dissertation and conduct viva-voce of Masters students in the Department of Environmental Sciences, University of Delhi
ADMINISTRATIVE ASSIGNMENTS	OTHERS	STAFF ADVISORY COMMITTEE TO THE STUDENTS UNION University of Delhi	17.May.2018 - 17.May.2018	External examiner to evaluate MSc dissertation and conduct viva-voce of Masters students in the Department of Environmental Sciences, University of Delhi
ADMINISTRATIVE ASSIGNMENTS	CHAIRMAN	STAFF ADVISORY COMMITTEE TO THE STUDENTS UNION Bharathiar University, Coimbatore, Tamil Nadu, India	07.Mar.2016 - 09.Mar.2016	Chaired the session “Environmental Impact Assessment, Environmental Auditing & Life cycle” in 2nd International Conference on Environment and Ecology held on 7th-9th March 2016 at Bharathiar University, Coimbatore, Tamil Nadu, India.
ADMINISTRATIVE ASSIGNMENTS	CONVENER	STAFF ADVISORY COMMITTEE TO THE STUDENTS UNION Sri Venkateswara College	01.Jul.2019 - 30.Jun.2021	Convener of the staff council attendance screening committee of Sri Venkateswara College
ADMINISTRATIVE ASSIGNMENTS	MEMBER	STAFF ADVISORY COMMITTEE TO THE STUDENTS UNION Sri Venkateswara College	01.Jul.2017 - 30.Jun.2019	Member of the staff council Academic Planning Committee of Sri Venkateswara College
ADMINISTRATIVE ASSIGNMENTS	MEMBER	FREESHIP AND STUDENT AID FUND COMMITTEE Sri Venkateswara College	01.Jul.2017 - 30.Jun.2019	Member of the staff council attendance screening committee and canteen committee of Sri Venkateswara College
ADMINISTRATIVE ASSIGNMENTS	OTHERS	STAFF ADVISORY COMMITTEE TO THE STUDENTS UNION Jammu University, J&K	08.Aug.2018 - 08.Aug.2018	External examiner to evaluate MSc dissertation and conduct viva-voce of Masters students in the Department of Environmental Sciences, Jammu University, J & K on 8 August 2018.
ADMINISTRATIVE ASSIGNMENTS	CHAIRMAN	STAFF ADVISORY COMMITTEE TO THE STUDENTS UNION Atlanta Georgia USA	02.Jun.2019 - 06.Jun.2019	Co-chair of the session “Microbe-Driven Chemical Communication across Ecosystems and Hosts" in the 35th Annual Meeting of the International Society of Chemical Ecology (ISCE), held in Atlanta Georgia USA, 2-6 June, 2019.

ADMINISTRATIVE ASSIGNMENTS	CONVENER	IQAC Sri Venkateswara College, University of Delhi	01.Jun.2024 - Till date	
ADMINISTRATIVE ASSIGNMENTS	CONVENER	ECO CLUB Sri Venkateswara College, University of Delhi	14.Oct.2018 - 01.Jun.2024	
ADMINISTRATIVE ASSIGNMENTS	OTHERS	STAFF ADVISORY COMMITTEE TO THE STUDENTS UNION Jammu University, J&K	21.Jun.2019 - 21.Jun.2019	External examiner to evaluate MSc dissertation and conduct viva-voce of Masters students in the department of Environmental Sciences, Jammu University, J & K
ADMINISTRATIVE ASSIGNMENTS	MEMBER	RESEARCH COMMITTEE OF THE COLLEGE (RCC) Sri Venkateswara College, University of Delhi	11.Aug.2025 - Till date	
ADMINISTRATIVE ASSIGNMENTS	CONVENER	IQAC Srivenkateswara College, University of Delhi	30.Jul.2025 - Till date	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	STAFF ADVISORY COMMITTEE TO THE STUDENTS UNION Sri Venkateswara College	01.Dec.2020 - Till date	Convener of Exordium, Civil Services Society, Sri Venkateswara College
CAREER PROFILE	ASSISTANT PROFESSOR	DEPARTMENT OF ZOOLOGY Daulat Ram College, University of Delhi	03.Nov.2003 - 15.Dec.2003	
CAREER PROFILE	ASSISTANT PROFESSOR	DEPARTMENT OF ZOOLOGY Sri Venkateswara College, University of Delhi	16.Dec.2003 - 30.Apr.2004	
ADMINISTRATIVE ASSIGNMENTS	CHAIRMAN	STAFF ADVISORY COMMITTEE TO THE STUDENTS UNION Helsinki, Finland	17.Jul.2022 - 22.Jul.2022	Chaired the session “The Role of Endosymbionts in Insect’s and Plant’s Ecological Interactions"in the 26th International Congress of Entomology (ICE 2022), held in Helsinki, Finland, 17-22 July, 2022.
CAREER PROFILE	ASSISTANT PROFESSOR	DEPARTMENT OF ZOOLOGY Daulat Ram College, University of Delhi	25.Jul.2004 - 24.Aug.2004	
ADMINISTRATIVE ASSIGNMENTS	CONVENER	GARDEN AND SUSTAINABLE DEVELOPMENT COMMITTEE Sri Venkateswara College	01.Apr.2022 - 31.Mar.2024	Coordinator for the Course B.Sc. (Hons.) Biological Science offered by the University of Delhi under National Education Policy of India 2020 (NEP 2020)
CAREER PROFILE	ASSISTANT PROFESSOR	DEPARTMENT OF ZOOLOGY Sri Venkateswara College, University of Delhi	25.Aug.2004 - 30.Sep.2005	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	STAFF ADVISORY COMMITTEE TO THE STUDENTS UNION Chaudhary Devi Lal University, Sirsa	15.Jun.2023 - 14.Jun.2025	Member of the Women Complaint Committee

CAREER PROFILE	ASSISTANT PROFESSOR	DEPARTMENT OF ZOOLOGY Sri Venkateswara College, University of Delhi	01.Aug.2006 - 28.Sep.2006	
CAREER PROFILE	ASSISTANT PROFESSOR	DEPARTMENT OF ZOOLOGY Sri Venkateswara College, University of Delhi	29.Sep.2006 - 25.Nov.2009	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	EXORDIUM Sri Venkateswara College	30.Apr.2024 - 30.May.2024	
CAREER PROFILE	ASSISTANT PROFESSOR	DEPARTMENT OF ZOOLOGY Sri Venkateswara College, University of Delhi	26.Nov.2009 - 25.Nov.2014	
CAREER PROFILE	ASSISTANT PROFESSOR	DEPARTMENT OF ZOOLOGY Sri Venkateswara College, University of Delhi	26.Nov.2014 - 25.Nov.2017	
CAREER PROFILE	ASSOCIATE PROFESSOR	DEPARTMENT OF ZOOLOGY Sri Venkateswara College, University of Delhi	26.Nov.2017 - 25.Nov.2020	
CAREER PROFILE	PROFESSOR	DEPARTMENT OF ZOOLOGY Sri Venkateswara College, University of Delhi	26.Nov.2020 - Till date	
ADMINISTRATIVE ASSIGNMENTS	SECRETARY STAFF ASSOCIATION	OTHERS All India Institute of Medical Sciences (AIIMS), New Delhi	01.Apr.2017 - 22.Oct.2022	Research advisor to Department of Pulmonary Medicine and Sleep Disorders
ADMINISTRATIVE ASSIGNMENTS	MEMBER	GARDEN & SUSTAINABLE DEVELOPMENT COMMITTEE Sri Venkateswara College, University of Delhi	23.Oct.2015 - 23.Oct.2017	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	OTHERS Sri Venkateswara College	19.May.2026 - Till date	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	RESEARCH COMMITTEE Sir Venkateswara College	11.Aug.2025 - 11.Jul.2027	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	CLEANLINESS AND INFRASTRUCTURE INSPECTION COMMITTEE (CIIC) SRI VENKATESWARA COLLEGE	24.Dec.2024 - 24.Dec.2026	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	OTHERS SRI VENKATESWARA COLLEGE	01.Aug.2025 - 10.Jul.2026	STUDENTS' GRIEVANCE REDRESSAL COMMITTEE (SGRC)
ADMINISTRATIVE ASSIGNMENTS	MEMBER	OTHERS SRI VENKATESWARA COLLEGE	11.Aug.2025 - Till date	Member of Committee for Sri Venkateswara College Research and Innovation Activities (SVCRIA)
ADMINISTRATIVE ASSIGNMENTS	MEMBER	OTHERS SRI VENKATESWARA COLLEGE	30.Jul.2025 - Till date	Member of Committee for Code of Professional Ethics (Teachers)
ADMINISTRATIVE ASSIGNMENTS	MEMBER	OTHERS SRI VENKATESWARA COLLEGE	30.Jul.2025 - Till date	Member of Committee of Foreign Students Grievance Redressal Cell

ADMINISTRATIVE ASSIGNMENTS	MEMBER	STAFF GRIEVANCE REDRESSAL CELL SRI VENKATESWARA COLLEGE	19.Dec.2019 - Till date	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	INSTITUTIONAL BIOSAFETY COMMITTEE (IBC) SRI VENKATESWARA COLLEGE	31.May.2026 - Till date	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	STUDENT GRIEVANCE COMMITTEE SRI VENKATESWARA COLLEGE	01.Aug.2025 - Till date	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	OTHERS SRI VENKATESWARA COLLEGE	30.Sep.2025 - Till date	Member of Committee for Code of Professional Ethics (Teachers)
ADMINISTRATIVE ASSIGNMENTS	MEMBER	OTHERS SRI VENKATESWARA COLLEGE	30.Jul.2025 - Till date	Member of Committee of Foreign Students Grievance Redressal Cell

4. Other Profiles

Other Profile Name/ Description

OTHERS

Reviewer in various National and International journals such as Nature-Communications Biology, New Phytologist, Functional ecology, Frontiers in Plant Sciences, Annals of Entomological Society of America, Natural Product Research, Journal of Plant Growth Regulation and Biojournal

OTHERS

Assistant editor for Biojournal (ISSN no. 0970-9444) since 2013

WORKSHOP/ SEMINAR/ CONFERENCE/ WEBINAR ORGANIZED

Convened International symposium on ‘Recent Methodologies and Advances in Termite Research' in Hybrid mode held at Sri Venkateswara College, University of Delhi

WORKSHOP/ SEMINAR/ CONFERENCE/ WEBINAR ORGANIZED

Convened webinar on “Connecting the Dots-Hydro-logical and life cycle”, organized by Eco Club, Sri Venkateswara College, University of Delhi

WORKSHOP/ SEMINAR/ CONFERENCE/ WEBINAR ORGANIZED

Convened webinar on “Importance of Butterflies in sustainability of environment”, organized by Eco Club, Sri Venkateswara College, University of Delhi

WORKSHOP/ SEMINAR/ CONFERENCE/ WEBINAR ORGANIZED

Convened webinar on “Intellectual Property Rights (IPR)” organised by IQAC and College Research Committee (CRC), Sri Venkateswara College, University of Delhi

WORKSHOP/ SEMINAR/ CONFERENCE/ WEBINAR ORGANIZED

Convened CoVID-19 webinar series (3 talks) namely, “CoVID-19: Breaking myths and moving forward”, “Mental health issues and solutions and Staying healthy” and “Safe during CoVID-19”, organized by IQAC Sri Venkateswara College, University of Delhi in association with All India Institute of Medical Sciences, New Delhi

WORKSHOP/ SEMINAR/ CONFERENCE/ WEBINAR ORGANIZED

Convened International workshop on ‘Air pollution and public health: Challenges and interventions’ held on at Radisson Blu, Dwarka, New Delhi, India.

WORKSHOP/ SEMINAR/ CONFERENCE/ WEBINAR ORGANIZED

1. Convened Indo-US Symposium on Allergy and Asthma by Indo-US Science and Technology forum (IUSSTF) held on at AIIMS, New Delhi

FACULTY DEVELOPMENT PROGRAM (FDP) ORGANIZED

Convened Faculty Development Program on Wildlife Conservation & Management held on at Sri Venkateswara College, University of Delhi

WORKSHOP/ SEMINAR/ CONFERENCE/ WEBINAR ORGANIZED

Convened International conference and outreach program on Environment and Ecology: Sustainability & Challenges (ENCON2017) held on at University of Delhi.

OTHERS

Convened the 'Green school Initiative' from to create awareness among school children for conservation of Environment through talks, interactive sessions, screening environmental, documentaries and holding various competitions on environment.

OTHERS

Oral presentation on "Variation in the plant-microbe association and plant metabolites in an urban ecosystem" at ISCE annual meeting held on 23-27 July 2023 at Indian Institute of Science (IISc), Bengaluru, India.

OTHERS

Oral presentation on "Variation in the plant-microbe association and plant metabolites in an urban ecosystem" at ISCE annual meeting held on 2nd- 6th June 2019 at Georgia Institute of Technology, Atlanta, Georgia, USA.

OTHERS

Medicinal plant Endophytes: A search for lung cancer drug. **Oral presentation** at International Workshop on “Drug Development from Herbs and Marine Medicinal Materials” held on 10-12 December 2018 in Hai Phong, Vietnam.

OTHERS

Poster presentation on "Microbial fertilizers: Priming plants to insect attack" at the INSCR International conference 2017 held on 26-28 September 2017 at University of Delhi, India.

OTHERS

Poster presentation on "Microbial fertilizers enhance the plant antioxidants in response to insect attack" at the International conference and Outreach program on Environment and ecology: Sustainability & Challenges, held on 4-6 January 2017 at University of Delhi, India.

OTHERS

Oral presentation "Effect of insect damage on oxidative stress of bio-fertilizer fortified Brassica juncea" given at the International Conference on Environment and ecology held on 7th March 2016 at Bharathiar University, Coimbatore, Tamil Nadu, India.

OTHERS

Poster presentation on "Soil microbial biodiversity: an entangled story" given at the International Conference on Environment and ecology held on 7th March 2016 at Bharathiar University, Coimbatore, Tamil Nadu, India.

OTHERS

Oral Presentation on Effect of polluted water on secondary metabolites of hyperaccumulator. at Indian Ecological society International Conference held on 18-20 February 2016 at Sher-e-kashmir University of Agricultural Sciences and Technology of Jammu (SKUAST), India.

OTHERS

Oral Presentation "Do microbial fertilizers increase immunity in Indian mustard (Brassica juncea) against insects? "at Indian Ecological society International Conference held on 18-20 February 2016 at Sher-e-kashmir University of Agricultural Sciences and Technology of Jammu (SKUAST), India.

OTHERS

Oral Presentation "Effect of phosphate solubilizing bacteria on constitutive and induced responses of tomato (Lycopersicum esculantum) against tobacco cutworm (Spodoptera litura: Fabricus) (Lepidoptera: Noctuidae)" at Indian Ecological society International Conference held on 18-20 February 2016 at Sher-e-kashmir University of Agricultural Sciences and Technology of Jammu (SKUAST), India.

OTHERS

Oral presentation "Does better growth imply better immunity? Effect of biofertilizers on the induced responses of Brassica juncea" at the ISCE annual meeting held on 29th June- 3rd July 2015 at Stockhom University, Sweden.

OTHERS

Poster presented on "Bio fertilizers: boosting or just boasting plant immunity?" at the ISCE annual meeting held on 29th June- 3rd July 2015 at Stockholm University, Sweden.

OTHERS

Poster presented on "Molecular interaction studies of Brassica annexins with methyl jasmonate" at the International Symposium on Plant Signaling and Behavior 2014 held in the Department of Botany, University of Delhi from 7th to 10th March 2014.

OTHERS

Poster presented on "Temporal specificity in insect-induced responses of Brassica juncea (Brassicaceae)" at the 4th International Conference on Insect Science held from 14-17 February 2013 organized by Department of Entomology, UAS, GKVK, Bengaluru, India.

OTHERS

Oral presentation on "Sweet defence in a spicy plant: Occurrence and induction of extrafloral nectar production in Brassica juncea" given at the ALW Meeting of Experimental Plant Sciences held on 2-3 April 2012 in Lunteren, The Netherlands.

OTHERS

Poster presented on "Direct and indirect induced responses in Brassica juncea: An inside out analysis" at the 14th Symposium on Insect- Plant Interactions (SIP- 14) held from 13-18 August 2011 in Wageningen, The Netherlands.

OTHERS

Oral presentation on "Induction by generalist and specialist herbivores: Same difference?" given at the EPS theme 2 symposium / Willie Commelin Scholten Day held on 3rd February 2011 in Amsterdam, The Netherlands.

OTHERS

Oral presentation on "Temporal patterns of induced plant responses and their effects on multitrophic interactions" given at the ISCE annual meeting held on 31st July- 4th August 2010 in I.R.B.I.-CNRS- University of Tours, France.

OTHERS

Poster presented on "Temporal dynamics of induced responses and their effect on herbivores and their parasitoids" at BES symposium on “Integrative role of plant secondary metabolites in ecological systems” held on 12-14 April 2010 in University of Sussex, UK.

OTHERS

Poster presented on "Temporal dynamics of morphological and chemical induced responses in Indian mustard (Brassica juncea)" at Utrecht Summer school 2009 in Utrecht, The Netherlands.

OTHERS

Plenary lecture on ‘**Effect of air pollution on One Health**’ in the International workshop on ‘Air pollution and public health: Challenges and interventions’ held on 5-7 February 2020 in New Delhi, India.

AWARDS AND DISTINCTIONS

Selected by the French Institute in India (IFI), Embassy of France in India, to receive funding for a research trip to France for “Determining the trail-following pheromone of *Archotermopsis wroughtoni*” under the Scientific High Level Visiting Fellowships (SSHN) programme, 2025 (Grant amount: 1027.5 Euros).

OTHERS

Received certificate of appreciation for successfully managing the termite infestation in houses of Kuksaroy village, district Xatirchi in Navoiy region, Uzbekistan on 6th August 2024.

OTHERS

Worked as a scientist in the Department of Biochemistry at the Max Planck Institute for Chemical Ecology, Jena, Germany from 1 August 2023 to 30 September 2023.

AWARDS AND DISTINCTIONS

Young scientist of the year 2015 award in the field of Chemical Ecology in 2nd International Conference on Environment and Ecology held on 7th March 2016 at Bharathiar University, Coimbatore, Tamil Nadu, India.

OTHERS

Selected as one of the twenty Indian supervisors for the year 2014-15, 2015-2016; 2016-17 to host a researcher among candidates from 33 developing countries under the scheme on Research Training Fellowship for Developing Country Scientists (RTF-DCS) selected by NAM S&T Centre, Govt. of India.

AWARDS AND DISTINCTIONS

Only Indian to receive the prestigious **Nuffic Fellowship** from 2008-2012 from the Dutch Ministry of Foreign Affairs to pursue PhD from Wageningen University, the Netherlands to work on the "Temporal dynamics of molecular, chemical and morphological induced responses in Indian Mustard (*Brassica juncea*)".

OTHERS

Received appreciation from Executive Council, University of Delhi (Resolution no. 189, Dated 4th February 2008) for receiving the 74,000 euros fellowship under Netherlands Fellowship PhD program 2008.

OTHERS

Received travel award for Promising Researcher at the ISCE annual meeting held on 31st July-4th August 2010 in I.R.B.I.-CNRS- University of Tours, France.

OTHERS

Only Indian to receive the UEB French mobility grant for international laureates (Autumn 2009) from April- August 2010 to perform research on the "Effects of nectar in Brassica juncea on the behavior and longevity of above- and belowground parasitoids" University of Rennes, France.

AWARDS AND DISTINCTIONS

Recipient of Smt. Sushila Devi Memorial award in October 2000 for obtaining highest marks in Ecology & Zoogeography paper in B.Sc.

PROJECT MOUs

Convener for MoU with All India Institute of Medical Sciences (AIIMS), New Delhi from 1 October 2020 to 30 September 2025.

PROJECT MOUs

Convener for MoU with Indraprastha Gas Limited from 30th March 2021 to 30th March 2024

PROJECT MOUs

Convener for MoU with Czech University of Life Science Prague, Czech Republic from October 2021 to September 2026

PROJECT MOUs

Convener of MoUs with PES's Modern College, Pune from December 2021 to November 2026

PROJECT MOUs

Convener of MoUs with K. J. Somaiya College of Science and Commerce, Mumbai from December 2021 to December 2026

PROJECT MOUs

Convener of MoUs with Institute of Bio-organic Chemistry of Academy of Science, Tashkent, Uzbekistan from December 2021 to November 2026

PROJECT MOUs

Convener of MoUs with Ferdowsi University of Mashhad, Iran from February 2023 to January 2027

PROJECT MOUs

Convener of MoUs with Pherobank Technologies Private Limited, J&K from 5th February 2024 to 4th February 2029

CONTRIBUTION TOWARDS DEVELOPMENT OF E-CONTENTS/ MOOCS

Developed E-lesson entitled: Nematode Plant Interactions for NME-ICT in Zoology under MHRD Project

OTHERS

Evaluation of answer scripts of Open Book Examination (OBE) held in Nov-Dec, 2021.

OTHERS

ORAL PRESENTATION entitled " Deciphering the impact of Polycyclic aromatic hydrocarbons in altering the rhizosphere's properties and microbial profile " at the 8th International Conference of Indian Network for Soil Contamination Research (INSCR-2024) on 'Exploring the Microbial World from Human Health to Environmental Sustainability' and 4th International Symposium on Ciliate Biology (ISCB-2024), organised by INSCR and Acharya Narendra Dev College, University of Delhi (UoD) from April 03-05, 2024 at Conference Centre, UoD, Delhi, India.

OTHERS

Oral Presentation entitled "Microbial Allies of *Brassica juncea*-A Step Towards Sustainable Agriculture " in the International Conference 'Role of Biotechnology in Biological Sciences: Striving for a sustainable future' (RBBS-2025) organized by the Department of Zoology, Miranda House from February 6-8, 2025.

OTHERS

Oral Presentation on "Effect of phosphate solubilizing bacteria on constitutive and induced responses of tomato (*Lycopersicum esculantum*) *against tobacco cutworm* (*Spodoptera litura*: Fabricus) (Lepidoptera: Noctuidae)" at Indian Ecological society International Conference held on 18-20 February 2016 at Sher-e-kashmir University of Agricultural Sciences and Technology of Jammu (SKUAST), India.

OTHERS

Participated in the online Programme on "Science Administration and Research Management" sponsored by the Department of Science & Technology (DST) from 13-24 December 2021.

OTHERS

Attended “Genetics and Ecogenomics” course held from 12-23 September 2011 in Radboud University, Nijmegen, The Netherlands.

OTHERS

Participated in “Information Literacy, including Introduction Endnote” held on 27-28 May 2008 in Wageningen University, the Netherlands.

OTHERS

Invited expert at the event ‘**Green Diwali: Say no to Fire Crackers**’- organized by Delhi Public School, R.K.Puram on 23 October, 2020 on virtual platform.

OTHERS

Invited lecture on ‘**Air Pollution and One Health**’ in G-STIC 2020 conference organized by Global Sustainable Technology & Innovation Community, Belgium held on 26-28 October 2020 on virtual platform.

OTHERS

Invited expert at the event ‘**Innovatief Leren-How do I learn Science OR Mathematics?**’- organized by Delhi Public School, R.K.Puram on 29 December, 2020 on virtual platform.

OTHERS

Invited lecture on **‘Effect of Air Pollution on One Health’** in the Refresher Course in Environmental Studies for the University and College Teachers by Bharathiar University on 20 November 2021 on virtual platform.

OTHERS

Invited lecture on '**Air Pollution and One Health**' in G-STIC 2020 conference organized by Global Sustainable Technology & Innovation Community, Belgium held on 26-28 October 2020 on virtual platform.

5. Research Guidance

Year	Guide For	Title of the Dissertation/ Thesis	Scholar Name	Status
2024	Ph. D.	Antioxidant potential and anti proliferative activity of medieinal pants endophytes against lung Cancer	Dr. Garima Sharma	Awarded
2026	Ph. D.	Evaluation of antioxidant, anti-inflammatory and anti-arthritic property in ant gut microbes through in vitro and in silico analysis	Surbhi Agarwal	Awarded
2025	Ph. D.	Effect of Phenanthrene and Fluoranthene on Insect-Plant Microbial Interactions	Kavita Verma	Awarded
2030	Ph. D.	----	POUBIGAILIU KAMEI	Pursuing
2026	Ph. D.	Impact of Insect Herbivory on Plant Soil Feedback	Nishu	Pursuing
2026	Ph. D.	Role of endophytes against insect pest and fungal pathogen in Indian mustard	S. Aneeqa Noor	Pursuing

6. Research Projects

Year	Title of Project	Sponsorship Agency	Duration	Amount Sanctioned	Date of Sanction
2024	Determination of the trail following pheromone and mechanism of the functioning of gut microbiome of the termite	Department of Science & Technology	42 months	917400	09.Feb.2021
2022	Temporal synchrony of plant and its endophytes in insect stress response	Science & Engineering Research Board (SERB)	4 year	35,18,521	15.Nov.2018
2024	Scientific monitoring of CSR project on developing a carbon sink through creation of an urban forest on the waste land near Barapullah Drain, near Sarai Kale khan.	Indraprastha Gas Limited	3 year	19,25,000	16.Mar.2021
2023	Pre and post lockdown microbial monitoring of roadside Neem in Delhi Aone health initiative	Cadila pharmaceuticals Pvt.Ltd	2 year	200000	19.Sep.2021
2023	Microbial communities in changing climatic regime: Analysis of primary and secondary risk factors	Ministry of Environment, Forest and climate change(MoEFCC)	2 year	43,23,800	19.Mar.2021

2023	"Investigation of insect behaviour on electronic components	Honda cars Ltd.	2 year	10,96,160	31.Mar.2021
2010	Induced response of Indian mustard (Brassica juncea) and its effect on Tobacco cutworm (Spodoptera litura)	UGC	24 month	9,23,000	01.Apr.2008
2014	Induced response of Indian(Brassica juncea) an ecogenomic apprpach	UGC	36 month	9,82,000	01.Feb.2011
2017	Fortification of Indian mustard by growth promoting through priming	SERB	36	2300000	15.May.2014
2019	“Indo-US Symposium on Allergy and Asthma”	Indo-US Science and Technology forum (IUSSTF)	1 year	8,60,000	05.Nov.2018
2027	Exploring the Biocontrol Potential of Endophytes from Commercial and Resistant Brassica juncea against Albugo candida: Insights into Biochemical, Molecular, and Gene Expression Mechanisms	Science and Engineering Research Board (SERB)	36	54,12,416/-	23.Feb.2024
2029	Digital preservation, scientific validation and application of Indigenous Ecological Knowledge (IEK) for community empowerment and environmental sustainability practices	Higher Education Financing Agency (HEFA) Under CSR initiative, joint venture of MoE-GoI and Canara Bank	3 years	45,00,000/-	24.Mar.2026

7. Publications

Category	Publication Name	Title	Name of Author	Reference Link/ DOI Link
JOURNAL PAPER (International)	Host-specific endophytes of Momordica charantia: A promising source for affordable lung cancer therapeutics	South African Journal of Botany	Sharma, G., Bhardwaj, R., Barvkar, V. T., Godbole, R. C., Kumar, V., & Mathur, V. (Corresponding Author)	https://doi.org/10.1016/j.sajb.2024.05.030
JOURNAL PAPER (International)	Exploring Halobiome Resources for Developing Salt-Tolerant Crops: A Perspective Review.	Journal of Plant Growth Regulation	Khare, T., Jamla, M., Mathur, V., & Kumar, V. (Joint Author)	https://doi.org/10.1007/s00344-024-11266-2
JOURNAL PAPER (International)	Defensive glands in Stylotermitidae (Blattodea, Isoptera)	Arthropod Structure & Development	Thakur, H., Agarwal, S., Bu?ek, A., Hradecký, J., Sehadová, H., Mathur, V., ... & Šobotník, J. (Joint Author)	https://doi.org/10.1016/j.asd.2024.101346

JOURNAL PAPER (International)	Agro-Ecological Microplastics Enriching the Antibiotic Resistance in Aquatic Environment	Current Opinion in Environmental Science & Health	Khare, T., Mathur, V., & Kumar, V. (Joint Author)	https://doi.org/10.1016/j.coesh.2024.100534
JOURNAL PAPER (International)	Chemo-Biological Aspects of Pheromones in Ant and Termites	Universum: ????? ? ????????	Agarwal, S., Tilyabaev, Z., Mathur, V., Turageldiev, S., Maxammadshokirov, R., & Togaev, U. (Joint Author)	https://7universum.com/ru/nature/archive/item
JOURNAL PAPER (International)	Rhizosphere–plant–microbial system under polycyclic aromatic hydrocarbons-induced stress	Current Science	Verma, K., Sinha, P. G., Sharma, G., Agarwal, S., Verma A. and Mathur, V.* (Corresponding Author)	10.18520/cs/v125/i8/837-845
JOURNAL PAPER (International)	The Trail-Following Communication in Stylotermes faveolus and S. halumicus (Blattodea, Isoptera, Stylotermitidae). Journal of Chemical Ecology.	Journal of Chemical Ecology	Thakur, H., Agarwal, S., Hradecký, J., Sharma, G. Li, H., Yang, S., Sehadová, H., Chandel, R.S., Hyliš, M., Mathur, V., Šobotník, J and Sillam-Dussès, D. (Joint Author)	https://doi.org/10.1007/s10886-023-01447-w
JOURNAL PAPER (International)	Isolation and characterization of Phenanthrene degrading bacteria from urban soil.	Bioremediation Journal	Sharma, G., Sinha, P.G., Verma, K., Walia, D., Lahiri, M. and Mathur, V. (Corresponding Author)	10.1080/10889868.2023.2224387
JOURNAL PAPER (International)	Therapeutic compounds from medicinal plant endophytes: Molecular and metabolic adaptations	Journal of Applied Microbiology	Sharma G., Agarwal, S., Verma, K., Bhardwaj, R. and Mathur, V (Corresponding Author)	10.1093/jambio/lxad074
JOURNAL PAPER (International)	Microbial metabolites beneficial to plant hosts across ecosystems	Microbial Ecology	Mathur V* and Ulanova D. (Corresponding Author)	10.1007/s00248-022-02073-x
JOURNAL PAPER (International)	Pharmacological potential of ants and their symbionts–a review	Entomologia Experimentalis et Applicata	Agarwal, S., Sharma, G., Verma, K., Narayanan, L., & Mathur, V. (Corresponding Author)	10.1111/eea.13236

JOURNAL PAPER (National)	Insect-Plant Interactions: A multilayered relationship	Annals of the Entomological Society of America	Sharma, G., Malthankar, P.A., and Mathur, V. (Corresponding Author)	10.1093/aesa/saaa032
JOURNAL PAPER (International)	Molecular mechanisms underlying heavy metal uptake, translocation and tolerance in hyperaccumulators-an analysis: Heavy metal tolerance in hyperaccumulators	Environmental Challenges	Pasricha, S., Mathur, V.*, Garg, A., Lenka, S., Verma, K., & Agarwal, S. (Corresponding Author)	10.1016/j.envc.2021.100197
JOURNAL PAPER (National)	A cross-sectional questionnaire based study to evaluate subjective sleep quality among Undergraduate students in India	The International Journal of Indian Psychology	Basu, N., Saxena, A., Sarraf, A., Singh, A., Gulani, A., Yadav, M., Panwar, S., Mathur, V. and Misra, R. (Corresponding Author)	10.25215/0904.024
JOURNAL PAPER (International)	Modulation of insect-induced oxidative stress responses by microbial fertilizers in Brassica juncea	FEMS Microbiology Ecology	Sharma, G., and Mathur, V.* (Corresponding Author)	10.1093/femsec/fiaa040
JOURNAL PAPER (International)	Effect of environmentally sustainable microbial fertilizer on Insect-induced plant responses	Environment Conservation Journal	Rubabura, J.A.K., Sharma G. and Mathur, V.* (Corresponding Author)	10.36953/ECJ.2020.211201
JOURNAL PAPER (International)	Microbial fertilizer improves constitutive and induced resistance of tomato against a generalist insect	International Journal of Zoology and Animal Biology	Sharma, G., Anjulo, M.T. and Mathur, V.* (Corresponding Author)	10.23880/izab-16000135
JOURNAL PAPER (International)	Differences in hormonal signaling triggered by two root-feeding nematode species result in contrasting effects on aphid population growth	Frontiers in Ecology and Evolution	van Dam, N.M., Wondafrash, M., Mathur, V. and Tytgat, T.O.G. (Corresponding Author)	10.3389/fevo.2018.00088

JOURNAL PAPER (International)	An ecogenomic analysis of herbivore induced plant volatiles in Brassica juncea	Molecular Ecology	Mathur, V.*, Tytgat, T.O.G., Hordijk, C.A., Harhangi, H.R., Jansen, J.J., Reddy, A.S., Harvey, J.A., Vet, L.E.M. and van Dam, N.M. (First Author, Corresponding Author)	10.1111/mec.12555
JOURNAL PAPER (International)	A novel indirect defence in Brassicaceae: Structure and function of extrafloral nectaries in Brassica juncea	Plant, Cell and Environment	Mathur, V.*, Wagenaar, R., Caissard, J.C., Reddy, A.S., Vet, L.E.M., Cortesero, A.M. and van Dam, N.M. (First Author, Corresponding Author)	10.1111/j.1365-3040.2012.02593.x
JOURNAL PAPER (International)	Dealing with double trouble: Consequences of single and double herbivory in Brassica juncea	Chemoecology	Mathur, V.*, Tytgat, T.O.G., de Graaf, R., Kalia, V., Reddy, A.S., Vet, L.E.M. and van Dam, N.M. (First Author, Corresponding Author)	10.1007/s00049-012-0120-z
JOURNAL PAPER (International)	Temporal dynamics of herbivore-induced responses in Brassica juncea and their effect on generalist and specialist herbivores	Entomologia Experimentalis et Applicata	Mathur, V.*, Ganta, S., Raaijmakers, C. E., Reddy, A. S., Vet, L. E. M. & van Dam, N. M. (First Author, Corresponding Author)	10.1111/j.1570-7458.2011.01122.x
JOURNAL PAPER (International)	Genetic mutations associated with chemical resistance in the cytochrome P450 genes of invasive and native Bemisia tabaci (Hemiptera: Aleyrodidae) populations in China	Insect Science	Qiu, B., Chen, Y.P., Liu, L., Peng, W.L., Li, X.X., Ahmed, M.Z., Mathur, V., Du, Y.Z. and Ren, S.X. (Corresponding Author)	10.1111/j.1744-7917.2009.01253.x

JOURNAL PAPER (International)	Identification of three major Bemisia tabaci biotypes in China based on morphological and DNA polymorphisms	Progress in Natural Science: Materials International	Qiu, B., Chen, Y.P., Liu, L., Peng, W.L., Li, X.X., Ahmed, M.Z., Mathur, V., Du, Y.Z. and Ren, S.X. (Corresponding Author)	10.1016/j.pnsc.2008.08.013
JOURNAL PAPER (International)	Fungal pathogen: A game changer for insect herbivore in sequential attack on tomato	South African Journal of Botany	Htun, P. W., Sharma, G., & Mathur, V. (Joint Author)	https://doi.org/10.1016/j.sajb.2024.07.011
JOURNAL PAPER (International)	Biological activities and metabolic profile of endophytic Bacillus haynesii from Momordica charantia	bioRxiv	Sharma, G., Agarwal, S., Bhardwaj, R., Barvkar, V. T., Kumar, V., & Mathur, V. (Corresponding Author)	https://doi.org/10.1101/2024.05.16.594475
JOURNAL PAPER (National)	Pesticides Use, Regulation and Policies in Indian Agriculture	Regulation and Policies in Indian Agriculture	Reddy, A. A., Reddy, M., & Mathur, V. (Joint Author)	http://dx.doi.org/10.2139/ssrn.4850017
JOURNAL PAPER (International)	QbD-optimized curcumin-lignin nanoparticle spray for targeted wound infection therapy against Escherichia coli and Mycobacterium smegmatis	Journal of Biomaterials Science, Polymer Edition	Goyal, M., Batra, N., Vishkarma, H., Siddiqui, L., Mittal, S., Sharma, G., Mathur, V. & Talegaonkar, S. (Joint Author)	
JOURNAL PAPER (International)	Heavy metal hyper accumulation potential of local flora from polluted areas of Delhi.	Environment Conservation Journal	Sharma, G., Baruah, T., Pasricha, S., & Mathur, V.* (Corresponding Author)	https://doi.org/10.36953/ECJ.30462976
JOURNAL PAPER (International)	Growth-Promoting Endophytes as Immunity Booster for Brassica juncea against Insect Attack.	Journal of Chemical Ecology	Verma, K., Agarwal, S., Sharma, G., Singhal, A., Mullick, R., & Mathur, V.* (Corresponding Author)	https://doi.org/10.1007/s10886-025-01583-5
JOURNAL PAPER (International)	Polyethylene glycol, a potentiation agent that increases the toxicity of insecticides in mammalian cells rather than insects	Environment International	Muneeswaran, T., Bhatt, T., Park, S. H., Maruthupandy, M., Kim, M., Mathur, V., ... & Cho, W. S. (Joint Author)	https://doi.org/10.1016/j.envint.2025.109307

JOURNAL PAPER (International)	Innovative Strategies for Termite Management: Development and evaluation of effective baits against Anacanthotermes turkestanicus	Biosciences Biotechnology Research Asia	Togaev, U., Turaev, A. S., Mathur, V., Tilyabaev, Z., Zhaloliddinov, F., & Turageldiyev, S. (Joint Author)	http://dx.doi.org/10.13005/bbra/3315
JOURNAL PAPER (International)	Improving Brassica Juncea (L.) Defences against herbivory through phosphate-solubilizing bacteria	Hexapoda	Sharma G. and Mathur, V.* (Corresponding Author)	https://doi.org/10.55446/hexa.2024.144
JOURNAL PAPER (International)	Identifying bacteria from urban soil for degrading soil organic contaminants of emerging concern	Water Air & Soil Pollution	Verma, K., Sharma, G., Sinha, P.G., Nishu & Mathur, V.* (Corresponding Author)	https://doi.org/10.1007/s11270-024-07586-4
JOURNAL PAPER (International)	Temporal impact of elevated CO2 and temperature on Solanum lycopersicum L.: Insights into growth, phenology, ultrastructure, nutritional quality and metabolite profile	Journal of Crop Health	Verma, K., Gokhale Sinha, P., Chetan, & Mathur, V.* (Corresponding Author)	https://doi.org/10.1007/s10343-024-01057-w
JOURNAL PAPER (International)	Pharmacological potential of Curcuma longa endophytes	The Microbe	Sharma, G., Agarwal, S., Bhardwaj, R., Barvkar, V. T., Godbole, R. C., Kumar, V., ... & Mathur, V.* (Corresponding Author)	https://doi.org/10.1016/j.microb.2024.100187
JOURNAL PAPER (International)	Interplay of heavy metal accumulation, physiological responses, and microbiome dynamics in lichens: insights and future directions.	Environmental Monitoring and Assessment	Thakur, M., Bhatt, A., Sharma, V., & Mathur, V.* (Corresponding Author)	https://doi.org/10.1007/s10661-024-13103-1
JOURNAL PAPER (International)	Pesticides use, regulation, and policies in Indian agriculture	Sustainability	Reddy, A. A.*, Reddy, M., & Mathur, V. (Joint Author)	https://doi.org/10.3390/su16177839
JOURNAL PAPER (International)	Molecular evidence of crosstalk between bacterial endophytes and plant transcriptome in Brassica juncea	Journal of Plant Growth Regulation	Sharma, G., Sinha, P. G., & Mathur, V.* (Corresponding Author)	https://doi.org/10.1007/s00344-024-11406-8
JOURNAL PAPER (International)	Deciphering Role of Endophytes in Plant Defences and Biotic Stress Resilience Across Families	Plant, Cell & Environment	Noor, S. A., Verma, K., Nishu, Hussain, B., & Mathur, V.* (Joint Author)	https://doi.org/10.1111/pce.70572

JOURNAL PAPER (International)	Comparative Metagenomic Analysis of Gut Microbiota in Anacanthotermes turkestanicus and A. ahngerianus Reveals Diet- and Habitat-Driven Functional Divergence	Frontiers in Insect Science	Togaev, U., Mathur, V.*, Rakhmonkulova, A., Agarwal, S., Mathur, A., Shuhrat, T., ... & Sillam-Dussès, D (Corresponding Author)	https://doi.org/10.3389/finsc.2026.1807673
JOURNAL PAPER (International)	Gut Bacterial Diversity and Putative Functional Roles in Red Weaver Ant (Oecophylla smaragdina)	Entomologia Experimentalis et Applicata	Agarwal, S., Sharma, G., & Mathur, V.* (Corresponding Author)	https://doi.org/10.1111/eea.70108
JOURNAL PAPER (International)	Aboveground insect herbivory shapes plant–soil feedback and ecosystem resilience	Biologia Futura	Nishu, Verma, K., Noor, S. A., & Mathur, V. (Corresponding Author)	https://doi.org/10.1007/s42977-025-00305-y
JOURNAL PAPER (International)	Whole Metagenomic Analysis of the Gut Microbiome of Higher Termites (Microcerotermes turkmenicus Luppova, 1976) in Uzbekistan	ACTA MICROBIOLOGICA BULGARICA	Togaev, U., Rakhmonkulova, A., Sharma, M., Agarwal, S., Turaev, A. S., Tillyabaev, Z., ... & Mathur, V. (Joint Author)	
JOURNAL PAPER (International)	Comparative Metagenomic Analysis of Gut Microbiota in Anacanthotermes turkestanicus and A. ahngerianus Reveals Diet- and Habitat-Driven Functional Divergence	Frontiers in Insect Science	Togaev, U., Mathur, V.*, Rakhmonkulova, A., Agarwal, S., Mathur, A., Shuhrat, T., ... & Sillam-Dussès, D (Corresponding Author)	https://doi.org/10.3389/finsc.2026.1807673
CONFERENCE PAPER/ PROCEEDINGS (University)	Effect of phosphate solubilizing bacteria on constitutive and induced responses of tomato (Lycopersicum esculentum) against tobacco cut worm (Spodoptera litura Fabricus)(Lepidoptera: Noctuidae)	Indian Ecological Society: International Conference	Arshiya Rai, A. R., Imran, I., Melesse Anjulo Tora, M. A. T., Garima Sharma, G. S., Ferdu Azerefegne, F. A., & Vartika Mathur, V. M. (Corresponding Author)	NA
CHAPTER (International)	Unraveling the Coevolutionary Arms Race: Insights into the Dynamic Interplay of Plants, Insects and Associated Organisms	Singapore: Springer Nature Singapore	Mathur, V.*, Sinha, P. G., & Noor, S. A. (First Author, Corresponding Author)	NA

CHAPTER (International)	One Health Perspectives for Addressing Antimicrobial Resistance	Springer, Singapore	Kaur, K., Barathe, P., Reddy, S., Mathur, V., Kumar, V. (Joint Author)	NA
CHAPTER (International)	Food and Nutritional Security Under the Changing Climate: Understanding the Established and Indeterminate Factors	Cham: Springer Nature Switzerland	Nishu, Mathur, V., & Sinha, P. G. (Joint Author)	NA
CHAPTER (International)	Plant Endophytes: A Treasure House of Antimicrobial Compounds	Springer, Singapore	Agarwal, S., Sharma, G., Mathur, V.* (Corresponding Author)	https://doi.org/10.1007/978-981-99-7261-6_5
CHAPTER (International)	Microbial Remediation Approaches for PAH Degradation	Scrivener Publishing LLC	Verma, K., & Mathur, V.* (Corresponding Author)	10.1002/9781119827665
CHAPTER (National)	Effect of air polycyclic aromatic hydrocarbons in food chain: direct and indirect exposure	Allied Publishers Pvt. Ltd.	Verma, K. and Mathur, V.* (Joint Author, Corresponding Author)	NA
CHAPTER (National)	Endosymbionts of plants and marine organisms: A search for lung cancer drug	Allied Publishers Pvt. Ltd.	Mathur V.* and Sharma, G. (Joint Author, Corresponding Author)	NA
CHAPTER (International)	Health effects of changing environment	Springer International Publishing, Switzerland	Guleria, R., Mathur V. and Dhanuka, A. (Joint Author)	10.1007/978-3-319-99768-1_6
CHAPTER (International)	World cultivation of genetically modified crops: Opportunities and risks	Springer International Publishing, Cham	Mathur, V.*, Javid, L., Kulshrestha, S., Mandal, A., Reddy, A.A. (First Author, Corresponding Author)	10.1007/978-3-319-58679-3_2

CHAPTER (University)	Do microbial fertilizers increase immunity in Indian mustard (Brassica juncea) against insects?	Proceedings of the Indian Ecological society International Conference, Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu (SKUAST), India	Mathur V.* and Sharma G. (Joint Author, Corresponding Author)	NA
CHAPTER (University)	Effect of phosphate solubilizing bacteria on constitutive and induced responses of tomato (Lycopersicum esculantum) against tobacco cutworm (Spodoptera litura Fab) (Lepidoptera: Noctuidae)	Proceedings of the Indian Ecological Society International Conferenc	Rai A., Imran, Tora M.A., Sharma G., Azerefegne F. and Mathur V.* (Corresponding Author)	NA
CHAPTER (University)	Plant parasitic nematodes	NME-ICT, MHRD, Govt. of India	Mathur, V.* and Tytgat, T.O.G. (First Author, Corresponding Author)	http://epgp.inflibnet.ac.in/epgpdata/uploads/e
CHAPTER (National)	Nematode plant interactions	NME-ICT, MHRD, Govt. of India	Mathur, V.* and Tytgat, T.O.G. (Corresponding Author)	http://epgp.inflibnet.ac.in/epgpdata/uploads/e
CHAPTER (International)	Quality Science Education: Role of Digital Technologies in the Developing World.	In: Ramjeawon, P.V., Bandyopadhyay, M., Dhakal, R.P., Mthembu, D. (eds) Science, Technology and Innovation in Achieving Sustainable Development Goals	Mishra, R.*, Rahul, Nishu, & Mathur, V.* (Joint Author)	https://doi.org/10.1007/978-981-95-7785-9

8. Books

Category	Book Name	Title	Name of Author	ISSN/ ISBN Number
BOOK (National)	Biology of chordates	Pandey, B.N. and Mathur, V. (Joint Author)	PHI Learning Pvt. Ltd.	9789387472136
BOOK (International)	Temporal dynamics of induced responses in Brassica juncea	Mathur, V. (Sole Author)	Wageningen University, Wageningen, NL	978-94-6173-308-5

BOOK (National)	Air Pollution and Public Health: Challenges, Interventions and Sustainable Solutions	El-Gendy, N.S. and Mathur, V. (Joint Author)	Allied Publishers Pvt. Ltd.	978-93-90951-00-0
BOOK (National)	Environmental Ecology and Field Biology: Applied aspects	Mathur, V. (Sole Author)	IK Publishing House, New Delhi, India	13: 9789380578224

9. Faculty Achievements

Year	Category of Achievement	Role	National/ International etc.	Name	Date From-To
2008	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	PARTICIPANT	International	Post graduate course "Basic Statistics"	16.Jun.2008 - 20.Jun.2008
2020	WEBINAR ATTENDED	CONVENER	College	Connecting the Dots Hydro-logical and Life Cycle	26.Sep.2020 - 26.Sep.2020
2009	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	PARTICIPANT	International	PhD graduate course on "Environmental signaling"	24.Aug.2009 - 26.Aug.2009
2011	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	PARTICIPANT	International	PhD course on 'Bioinformatics- A User's Approach'	29.Aug.2011 - 02.Sep.2011
2016	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	SPEAKER	International	2nd International Conference on Environment and Ecology	07.Mar.2016 - 09.Mar.2016
2006	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	PARTICIPANT	National	National Symposium on Emerging Trends in Biotechnology	16.Nov.2006 - 17.Nov.2006
2014	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	PARTICIPANT	International	International Symposium on plant Signaling &Behavior	07.Mar.2014 - 10.Mar.2014
2009	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	PARTICIPANT	International	course Techniques for Writing and Presenting a Scientific Paper	01.Sep.2009 - 04.Sep.2009
2017	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	PARTICIPANT	International	Hands on to Computational Biology for (Meta)Genomic Analysis	26.Sep.2017 - 26.Sep.2017
2017	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	PARTICIPANT	International	Poster presentation at INSCR International Conference (IIC-2017)	26.Sep.2017 - 28.Sep.2017
2017	REFRESHER COURSE ATTENDED	PARTICIPANT	National	Three week Refresher Course in Environmental Science	27.Nov.2017 - 18.Dec.2017
2018	FACULTY DEVELOPMENT PROGRAM ATTENDED	CONVENER	College	Faculty Development Program on Wildlife Conservation and Managemenet	19.Feb.2018 - 19.Feb.2018
2024	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	PARTICIPANT	National	Poster presentation in the National Conference on "Plant Omics": Recent Trends and Application	21.Feb.2024 - 22.Feb.2024

2013	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	PARTICIPANT	International	Poster presentation in the 4th International Conference on Insect Science	14.Feb.2013 - 17.Feb.2013
2015	SEMINAR ATTENDED	CHAIRMAN	National	114th 4-Week Orientation Programme	03.Nov.2015 - 03.Dec.2015
2023	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	PARTICIPANT	International	ISCE Conference on 'Chemical Ecology in the Anthropocene'	23.Jul.2023 - 27.Jul.2023
2009	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	PARTICIPANT	National	National Conference on Drug Discovery and Development	21.Jan.2009 - 23.Jan.2009
2020	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	INVITED SPEAKER	National	‘Importance of One Health in the current era’ in the The Indravadan Ambalal Modi Innovation Conclave 2020 (IAMICON2020)	10.Oct.2020 - 10.Oct.2020
2020	WEBINAR ATTENDED	RESOURCE PERSON	National	National webinar on ‘National Education Policy 2020: Reckoning New Heights For Higher Education'	27.Aug.2020 - 28.Aug.2020
2020	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	PARTICIPANT	University	Workshop on “Personality Development and Leadership Skills”	25.Jul.2020 - 31.Jul.2020
2020	ONLINE CERTIFICATE COURSE/ TRAINING PROGRAMS ATTENDED	PARTICIPANT	National	online course for educators on ‘Effective Documentation For Accreditation’	15.Sep.2020 - 10.Nov.2020
2020	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	CONVENER	International	International workshop on ‘Air pollution and public health: Challenges and interventions’	05.Feb.2020 - 07.Feb.2020
2024	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	RESOURCE PERSON	College	Lab Staff Training workshop	17.Jan.2024 - 24.Jan.2024
2016	ONLINE CERTIFICATE COURSE/ TRAINING PROGRAMS ATTENDED	PARTICIPANT	National	Phenotyping of drought adaptive traits and their introgression for crop improvement	17.Oct.2016 - 24.Oct.2016
2018	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	PARTICIPANT	International	Drugs development from herbs and marine medicinal plants	10.Dec.2018 - 12.Dec.2018
2015	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	PARTICIPANT	International	Effect of biofertilizer on induced response on brassica juncea	29.Jun.2015 - 03.Jul.2015
2018	FACULTY DEVELOPMENT PROGRAM ATTENDED	CONVENER	College	Faculty Development Program	19.Feb.2018 - 19.Feb.2018
2019	ONLINE CERTIFICATE COURSE/ TRAINING PROGRAMS ATTENDED	PARTICIPANT	National	Biodiversity conservation	04.Nov.2019 - 08.Nov.2019
2022	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	INVITED SPEAKER	International	26th International Congress of Entomology	17.Jul.2022 - 22.Jul.2022

2024	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	PARTICIPANT	International	8th International INSCR conference on exploring the microbial world from human health to environmental sustainability	03.Apr.2024 - 05.Apr.2024
2020	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	PARTICIPANT	University	One-week Workshop on Research Methodology	15.Dec.2020 - 19.Dec.2020
2015	REFRESHER COURSE ATTENDED	PARTICIPANT	National	Refresher Course in Basic Sciences	05.May.2015 - 25.May.2015
2019	REFRESHER COURSE ATTENDED	PARTICIPANT	National	Refresher Course in Research Methodology	14.Oct.2019 - 26.Oct.2019
2020	FACULTY DEVELOPMENT PROGRAM ATTENDED	PARTICIPANT	College	Faculty development program on "Higher education: Road ahead developing next generation academic leaders"	25.Nov.2020 - 01.Dec.2020
2012	ONLINE CERTIFICATE COURSE/ TRAINING PROGRAMS ATTENDED	PARTICIPANT	National	Orientation course	23.Nov.2012 - 20.Dec.2012
2017	ONLINE CERTIFICATE COURSE/ TRAINING PROGRAMS ATTENDED	PARTICIPANT	National	Hands-on training in isolation and identification of endophytes from rice and Brassica sp.	03.May.2017 - 09.May.2017
2017	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	PARTICIPANT	University	Pre-Conference Workshop at IIC-2017	26.Sep.2017 - 26.Sep.2017
2024	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	INVITED SPEAKER	University	Interactive session with PhD students	15.Apr.2024 - 17.Apr.2024
2020	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	INVITED SPEAKER	National	"Identifying Wildlife through Indirect signs	07.Aug.2020 - 07.Aug.2020
2008	SHORT TERM COURSE	PARTICIPANT	International	Basic Statistics	16.Jun.2008 - 20.Jun.2008
2020	WEBINAR ATTENDED	CONVENER	College	Webinar on Intellectual Property Rights	29.Aug.2020 - 29.Aug.2020
2024	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	INVITED SPEAKER	National	Interactive Session with PhD Students	15.Apr.2024 - 17.Apr.2024
2026	FACULTY DEVELOPMENT PROGRAM ATTENDED	SUBJECT EXPERT	National	Professional Development Session on developing Competency-based skills among teachers	16.Mar.2026 - 16.Mar.2026

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