



		
Kumari Sunita		
Deen Dayal Upadhyaya Gorakhpur University Gorakhpur, India		
Agriculture & Forestry / Plant Science Plant Physiology		
Metrics		
H-Index	i10 Index	Citation Counts
11	11	675
See All Rankings and Analysis		
* Total H Index Rankings		
World Rank	Country Rank	
894,925	33,678	
Institution Rank: 17		
Ranking Based On Selection: 17		

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AD Scientific Index 2025

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DR. KUMARI SUNITA

Dr. Kumari Sunita is a distinguished academician and researcher in the Department of Botany at Deen Dayal Upadhyaya Gorakhpur University, India. She previously served at A.N.D.N.N.M.M. Harsh Nagar, Kanpur. After completing her schooling in Kolkata and Rajasthan, she earned her B.Sc., M.Sc., and Ph.D. from Gorakhpur University, securing the **top rank in her Pre-Ph.D. exam**. A GATE and NET qualifier, she holds a brilliant academic record with **five medals** during her academic training. Specialized in Plant Physiology and Plant Pathology. **Her area of interest includes PGPR, Ethnobotany, Environmental Remediation, Medicinal Plants and Agricultural Plant Science.** With over 17 years of teaching and 15 years of research experience, she has published **51 research/review articles, 06 books, and 16 book chapters, delivered 23 invited lectures, and holds 3 Patents.** She has participated in 55 conferences and received multiple awards including the **Best Teacher Award (2021), Young Scientist Award (2022), Fellow Award (2023), Eminent Scientist Award (2024), Young Agriculturist Award (2024), University Research Excellence Award (2024), National Youth Icon Award (2023), Eminent Environmentalist Award (2025).** She is currently guiding 5 Ph.D. scholars and 1 Ph.D. successfully awarded, actively contributes to curriculum development, faculty training, NSS Programme and university committees. A life member of CGES, SES, IPS, and Asian PGPR Society, she also serves on executive roles and is managing **3 research projects** funded by UP-CST and NABARD.

Date of Birth : 11/08/1985

ACADEMIC QUALIFICATION

Qualification Level	Board/University	Year of Completion	Marks Obtained	Percentage Grade	Subjects	Specialisation	Rank/Distinction
High School	West Bengal Board of Secondary Education	2001	551/800	68.87 %	Hindi, English, Physical Science, Geography, Math, History, Life Sc		Distinction in Life Science, Geography
Intermediate	Board of Secondary Education, Rajasthan	2003	470/650	72.31%	Hindi, English, Physics, Chemistry, Biology, Computer Science		Distinction in Physics, Biology & Computer Science
Graduation	D.D.U. Gorakhpur University	2006	1385/1800	76.94%	Botany, Zoology, Chemistry		1st position & Distinction in Botany
Post Graduation	D.D.U. Gorakhpur University	2008	681/900	75.66%	Botany	Specialization Plant Pathology	1st Position
GATE	Indian Institute of Science Bangalore 560012	2008		63.75%	XL-Life Science Chemistry Botany Bio-chemistry		1st Position
NET	UGC (National Eligibility test for Lectureship)	2012			Environmental Science		Qualified
Ph.D.	D.D.U. Gorakhpur University Gorakhpur	2015			Botany	Plant Physiology Stress Physiology Biochemistry A biotic Stress Ethenobotany	1st Position Pre Ph.D Exam Gorakhpur University Gorakhpur
Bioinformatics Diploma Course	St. Andrews College	2008			Botany		A+

International/National fellowship/award/recognition: 24

S. No.	Name of the award/fellowship/recognition	Year of Award	National /International	Awarding Agency
1	Smt.Mundar Devi Memorial Medal	2004	National	St. Andrew's Colleg Nov.30,2004
2	S.N. Chaudhary Memorial Medal	2005	National	St. Andrew's College Nov.30 2005
3.	Sheo Nidhi Lal Srivastava Memorial Medal	2006	National	St. Andrew's College Nov.30 2006
4.	Hari Prasad Janki Devi Memorial Medal	2008	National	St. Andrew's College Nov. 30 2008
5.	RGNF	2012	National	UGC 28 Feb
6	Best Poster Award	2015	National	ETCPSR February 20 B.H.U. Varanasi
7.	Best Oral Presentation Award	2020	National	IPS 20 January ICAR-IARI ,New Delhi, India
8.	Women Scientist Award	2020	National	RFPIDM-2020 February 29 B.H.U. Varanasi
9.	Best Oral Presentation Award	2021	International	ICAR-IARI New 20 August ,Delhi 2021
10	Certificate of Appreciation	2021	International	30 th August Udayana University Bali – Indonesia
11	Certificate of Appreciation	2021	National	Council of Science and Technology U.P.Lucknow. For contribution as jury member in Gorakhpur Mahotsav,January12-16
12.	Awarded for Contribution in the field of Higher Education, Teaching and Research.	2021	National	D.D.U Gorakhpur University Gorakhpur,UP.September 5
13	Outstanding women Researcher in PGPR	2022	International	7 th Asian PGPR international conference for sustainable Agriculture on 23-26 August in Malaysia
14	Awarded for outstanding contribution in teaching and Research in the field of higher education	2022	State	DDU Gorakhpur university, Gorakhpur,UP. September 5
15	SRBS outstanding Environmentalist award	2022	National	Society for research in biological Science. September 16

16	Young Scientist Award for outstanding contribution and recognition in the field of Plant Physiology	2022	International	AETDS,FAFEF September17- 19 2022 at Pokhra ,Nepal
17	Best oral presentation ,Second position in Technical session Ist Theme 3 rd Climate change and its impact	2022	International	AETDS,FAFEF2022 at Pokhra ,Nepal
18	Certificate of Appreciation as Keynote Speaker in JS University Shikohabad .	2022	International	RISHEM-2022
19	Fellow Award-2023 in the field of Plant Physiology	2023	International	CCI -2023Sher-e-Kashmir University of Agricultural Sciences and Technology SKUAST-K Srinagar J&K.,India June 9-11,2023
20.	Certificate of Appreciation as Co- chairperson in Assam Agricultural University, Jorhat	2023	National	AAU, Jorhat, Assam
21.	Certificate of Appreciation as Lead Talk in Assam Agricultural University, Jorhat	2023	National	AAU, Jorhat, Assam November 23, 2023
22.	Young Women Scientist Award	2024	International	Kumaun University, Nainital, Uttarakhand, India 1-3 March, 2024
23.	Certificate of Presentation International conference: “ANUBHUTI: A Journey through Indian Knowledge Systems	2024	International	Organized by the Faculty of Management VGU Jaipur in collaboration with Rastriya Samaj Vigyan , and sponsored by Indian Council of Social Science Research (ICSSR) on 20 th to 27 th Apr, 2024

24	Young Agriculturist Award	2024	International	Ecological Impact on Agriculture, business and Technology (EIABT-2024) Organized by DoREX, Agriculture and Forestry University, Rampur, Chitwan, Nepal 17-18 June 2024
25	Eminent Scientist Award	2024	International	Global Effort for Upliftment of Rural Mass Through Biological Science and Multidisciplinary Research GUR-BMR 2024 Organized by Department of Botany, Gossner College Ranchi, Jharkhand, India. June 8&9 2024.
26.	University Research Excellence Awards (UREA)- 2024	2024	National	Research & Development Cell Deen Dayal Upadhyaya Gorakhpur university, Gorakhpur February 17, 2025.
27.	Excellence in Academic Award	2024	International	By SARSD & Neotia University (ICAR – Accredited), West Bengal September 15-16, 2024
28.	National Youth Icon Award	2025	National	By Yuva Jankalyan Samiti 19 Jan 2025 Gorakhpur U.P. Recognized for outstanding contributions to educational excellence and impactful research promoting national development.
29.	Eminent Environmentalist Award	2025	National	By Society for Environment and Sustainable Development New Delhi - 110049

Specialization: Plant Physiology, Plant Pathology

Educational pursuits: Actively engaged in frontier area of research *viz*

1. Biological nitrogen fixation of underutilized legumes,

2. Stress Physiology, Phytochemistry, WRM
3. Plant survival in adverse condition and used in reclamation of problematic soil.
4. Basic mechanism and metabolic activities of plant System.
5. Industrial production of plant based biopesticides and biofertilisers

Patent

S.No	Name of the Patent	Name of Awardee	Design No.	Name of the Issuing Authority	Date
1.	Electric Aspirator	Dr Kumari Sunita	419638-00 1	IPR, Government of India	11/06/2024
2.	A method of Preparing light Sequence from microscopy to Transcriptomics	Dr. Kumari Sunita	202321002960	Ministry of Commerce and Industry, Government of India	27/01/2023
3.	AI based plant stress detecting device	Dr. Kumari Sunita	430633-001	IPR Government Of India	16/09/2024

Project :

S N O	PI/COPI WITH DESIGNATION	NAME OF THE PROJECT	FUNDING AGENCY	AMOUNT IN LACS	TENURE OF PROJECT	STATUS COMPLETED/ONGOING	OUTCOME/PROGRESS IF ANY *
1	Dr. Kumari Sunita Assistant Professor	Study the ageing effect of Golden Sweet Potato (<i>Ipomoea batatas</i>) Tubers on Carotenoids Content: An innovative approach towards Vitamin A Bio fortification. CST/AAS/2022/D-1208 29/08/2022	CST,UP (Deptt of Science & Technology, Govt. of U.P)	11,94,000	3 years	Ongoing	Outcome of the project: The effect of storage of Golden Sweet Potato on the Beta Carotene will get identified .

2	Dr Kumari Sunita Assistant Professor As a Advisor of the Project	Demonstration of Zero Budget Natural Farming (ZBNF) Under Kalanamak Rice System of Kushinagar.	NABARD	30,00,000	3 years	Ongoing	
3	Dr Kumari Sunita Assistant Professor As a Co- PI of the Project	To study the role of phosphate, aquaporin and NRAMP transporters on arsenic accumulation in kalanamak rice. (Project ID-2297). 20/10/23	CST,UP (Deptt .of Science & Technology ,Govt. of U.P	15,36,000	3 years	Ongoing	

20. Professional development Programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes

S. No.	Year	Title of the professional development Programme	Date and Duration(from-to)
1.	2025	Professional development program on integration of generative AI, interactive e- Content and advanced technologies in Online courses , National Institute of Educational Planning and Administration (NIEPA) New Delhi	07 April to 12 April
2	2025	Certificate Course on Computational Biology,Ramakrishna Mission Vivekananda College Mylapore Chennai-04	December 12 to 13 February (4weeks(3days/week)+1 days Practical (offline) Secure Highest marks
3	2024	NEP 2020 Orientation and Sensitization Programme under Malaviya Mission Teacher Training centre, Pt. Ravishankar Shukla University, Raipur	3 to 12 January 2024
4	2023	Hybrid Mode (Online) UGC –Sponsored Refresher Course in Botany UGC- HRDC:North Eastern Hill University Shillong- 793022 With Grade A+,	27 October to 11 th November 2023
5.	2022	One Week Virtual Training Programme on Recent Advances in Crop Productions By Faculty of Agriculture Sri Sri University ,Cuttack.Odisha.	08-14 August 2022
6.	2020	ON-Line Refresher Course in Botany (Batch -XIII) UGC- HRDC: With Grade A+, Madras University, Chennai- 600005	07 October to 20 October 2020

7.	2020	Management Development Programme (MDP) on ELearning, E Teaching & E Research :Sri Sri University	13 August to 17 August
8.	2020	Faculty Development Program (FDP) on Research Advances in Plant & Microbial Biotechnology organized by Department of Biotechnology. IIIT, Noida	13 July to 18 July
9.	2019	Orientation Programme HRDC – with Grade A, DDU Gorakhpur University	13 July to 02 Aug, 2019, DDU Gorakhpur University
10.	2018	U.G.C sponsored short Term course on MOOCs, e content development and Open Educational Resources from Human Resource Development Centre. DDU Gorakhpur University Gorakhpur U.P.	21.09.2018 to 27.09.2018
11.	2016	DBT Sponsored One week National Workshop on “Molecular Cytogenetic Techniques in Life Sciences.	12th March to 18th March 2016 organised by Department of Botany St. Andrews College, Gorakhpur (U. P.).
12.	2014	DBT Sponsored 21 Day Short Term Training Programme on “Plant Molecular Cytogenetics”	27th October to 18th November 2014 organised by Department of Botany St. Andrews College, Gorakhpur (U. P.).

BOOKS: 06

Sl. No.	TITLE	AUTHORS	Publisher, Year of Publication and ISBN No.
1.	Wild Legumes <i>Melilotus indica</i> and <i>Tephrosia purpurea</i> under salt stress.	Sunita Kumar i. , Srivastava Malvika & Abbasi P.	LAP LAMBERT Academic Publishing is a trademark of: International Book Market Service Ltd. Business address: Baznīcas iela 13-17, Rīgā, LV-1010 Latvia, European Union. 2020 ISBN 10:620056471 X.
2.	Scientific Progress And Environmental Awareness in India	Sunita Kumari	Elite Publishing House Edition 11 September 2024 ISBN- 978-93-5899-911-2
3.	Soil fertility Management in Field Crops	Marahatta Santosh, Sunita Kumari, Singh Kh. Chandrakumar, Ashaq Mohd, Sunita Kumari , Ahmad Anjum, T R Ashwini, Shyam Radhe	Elite Publishing House Edition 18 October 2024 ISBN- 978-93-58999-00-6
4.	General Microbiology (Concept and Techniques)	Prasad, J Sai. Sunita Kumari , Raypa Pratima and Gupta Sheetanshu	Elite Publishing House (International Publisher) ISBN: 978-935-8995-63-3

5.	Medico-biowealth of India Volume XIX	Sunita Kumari	Ambika Prasad Research Foundation, 978-81-973870-5-0
6.	Soil Conservation Technologies for the 21 st Century	Sunita Kumar.i , Jendre Anisha Chhaba Bhagchand, Acharya Priyanka Awani Rayees	DVS Scientific Publication 24 May2025 9789366881195

Book Chapters : 16

1	Role of Underutilized Legumes in Ethnomedicine.	SunitaKumari	Innovative approaches for motivation of science students(Teaching materials for science students. Sponsored by NCSTC division ISBN-978-93-89703-86-3
2.	Overview of Soil Fertility from Past to Present. Ecosystem Services: Types, Management and Benefits.	Sathyanarayana Eetel ., Bharghavi J, Manchala Santhosh Kumar, Mandla, Veeranna Jatoth, Banda Rajashekar, Reddy T. Prabhakar, Thallapally Saideep, Ingle Krishnananda Pralhad, Chaitanya Alamuru Krishna, Duta Asik, Umarajashekhar Alavala, Sunita Kumari , and Jatav Hanuman Singh	ISBN 978-68507-614-6 Publisher: Nova Science Publishers, Inc. 415 Oser Avenue, Suite N Hauppauge, NY, 11788 USA
3.	From Probioticsto Postbiotics: Key to Microbiome and Health.	Rajan Walhe,Hina Khan and Sunita Kumari	Book: Microbiome – Gut- Brain Axis Implications on Health Publication: Springer ISBN 978-981-16-1626-6
4.	Impact of Postharvest management on Tomato Quality.	Sunita Kumari	Book: Management of Postharvest Disease and Value Addition of Horticulture Crops Publication: Today & Tomorrow’s Printers and Publishers
5.	Women in Agriculture.	SunitaKumari	Book Jyotirmeyee (A bilingual complilation of Articles on Women issue) Aitihya Eshonna Edition 28 March 2024 ISBN – 9781-81-9637433-7-2
6.	Role of Artificial Intelligence in Plant Physiology .	Singh Nidhi and SunitaKumari	Book The Scientific Spectrum of AI enhancing the future 11 Aug 2024 Publication Sankalp Publication Edition 11 August 2024 ISBN – 978-93-6166-414-4
7 .	Plants and nano based Nanoparticles materials an overview of Interactions & Impact on physiological functions of Plants.	Sunita Kumari. , Gupta Sheetanshu , Sharma Asha, Kumar Dharendra Sood Neelu and Lakra Nita	Book – Plants and Metal Based Nanomaterial and their Applications IV Gardners Incorporation Edition 6 aug 2024 ISBN – 811914524-9

8.	Ethnomedicinal survey of Devipatan division (Balrampur), of Uttar Pradesh, India.	Singh Shalini and Sunita Kumari	Book - Medico-Biowealth of India APRF Volume 19; ISBN: 978-81-973870-5-0; Chapter 9 March 2025
9.	Wetlands Types, Function, Distribution, and Restoration: A Short Review.	Kannaojiya Omisha and Sunita Kumari	Book : Wetland Chemistry: Limnological, Bio-geochemical, and Economic Perspectives Feb 2025 Stanford Publishing Pte. Ltd. ISBN 978-981-5129-50-2 (Hardcover), 978-1-003-61609-2 (eBook) Feb 2025
10.	<i>Sida cordata</i> (Burm.f.) Borss.Waalk.: a phytochemical perspective on its medicinal properties	Das Anuradha., Das Kadambini, Jena Nibedita, Sunita Kumari and Kumar Sanjeet	Book Plants and Secondary Metabolites, 28 May 2025 Publication APRF Volume 8; ISBN:978-81-985655-8-7
11.	Phytochemical screening and TLC analysis of whole plant of <i>Malachra capitata</i> (L.) L. (Malvaceae	SunitaKumari. , Rout Subhalakshmi and Kumar Sanjeet	Plants and Secondary Metabolites 22 April2025 Publication APRF Volume 7; ISBN:978-81-984754-8-0
12.	Phytochemical analysis of leaves of <i>Artemisia nilagirica</i> (C.B.Clarke) Pamp	Chauhan Jyoti., Sunita Kumari* , Jena Nibedita and Kumar Sanjeet	Plants and Secondary Metabolites 21 April 2025 Publication APRF Volume 7; ISBN:978-81-984754-8-0
13.	Evaluation of medicinal values and phytochemical analysis of <i>Lantana camara</i> flowers: Identification of bioactive compounds	Sharma Bhagwati Prashad., Kumar Abhishek , Kumar Rahul , Sunita Kumari , Jena Nibedita and Kumar Sanjeet	Plants and Secondary Metabolites 7 April2025 Publication APRF Volume 6; ISBN:978-81-984754-0-4
14.	Nutritional and medicinal profiling of <i>Annona reticulata</i> (Annonaceae) fruit pulp	Sharma Sandhya., Sunita Kumari , Subhalakshmi Rout and Sanjeet Kumar	Plants and Secondary Metabolites, Volume 5 (pp.96-102) 18March 2025 Publisher: Ambika Prasad Research Foundation
15.	Loss of Medicinal Plants Due to Forest Fire	Sinha Mithlesh Kumar. , Kadambini Das, SunitaKumari ,Patra Arjun Kumar Sanjeet and Devi Rajkumari Supriya	Book - Forest Fire Causes I Consequences I Management solutions; March 2025 APRF ISBN: 978-81-985655-9-4 2025
16.	Healing the smile: A comprehensive review & field information of ethnomedicinal plants used in toothache remedies	Mithlesh Kumar Sinha, Kumari Sunita, Ranjeet Singh, Aarushi, Rajkumari Supriya Devi and Sanjeet Kumar	Book - Ethnobotany of India 22 March 2025 APRF Volume 1; ISBN: 978-81-984754-7-3

Research Papers Published: 51

1. K.S., Sunita,K.,Ranjan, R., Nair,S.S., Warude, B.J., Sur, S., A,A., Raju, K.,(2025).Isolation,Characterization, In Vitro And In Vivo Evaluation of the Hepatoprotective Potential of Daucas Carota Extract. *Journal of Neonatal Surgery* .Scopus Q3 14(32),2257-2264
2. Thanvi, H.A., Majhi, S., Sunita, K., Sharma Bhagwati, P., Rote, K., Rout, S., & Das, K. (2025). Food and medicinal aspects of Amorphophallus species .*J. Biodivers Conservation*.9(2), 244-252
3. Sunita, K., Shinde, C., Sharma, B.P., Rout, S., & Gunjal, M. (2025). *Passiflora foetida* L.: A review of its ethnomedicinal uses. *J Biodivers Conservation*. 9(2), 253-257
4. Sunita, K., Dehar S., Nibedita J.,* & Kuma, B. Wild foods used to improve eye sights. *Journal of Biodiversity and Conservation* June 2025 9(2): 153-158 Scopus Web of Science, Q1 <http://dx.doi.org/10.5281/zenodo.15610284>
5. Kannaajiya, O., & Sunita, K. Assessing seed germination of Kalanamak rice varieties under saline condition : A comparative study.*Indian journal of Natural Sciences*.15(88),90178-90187 2025(Web of Science Q4)
6. Satheeshkumar, N., Prasanna, C.L., Moharana R.L., Srivastava, A., Sunita, K., Mounklang C.C., Suresh, T., & Ramasamy, M.(2024).Carbon sequestration in agricultural soils: Practices and policies. *International Journal of Research in Agronomy*.RJIF- 5.24.8(3) 265-267 <http://dx.doi.org/10.33545/2618060X.2025.v8.i3d.2641>
7. Prasannaa, C.L., Sunita, K., Kumar S.N., Dowarah, B., & Singh S.(2024). Engineering C4 Photosynthesis Pathways into C3 Crops to Improve Nutrient Use Efficiency: A Review Journal of experimental agriculture international Scopus Q2 .47(4):374-381 <http://dx.doi.org/10.9734/jeai/2025/v47i43387>
8. Babarabi, M., Sardoei, A.S, Dhanalakshmi, K., Malathi, G., Sayyed, R.Z., Sunita, K., & Nasab B.(2024). Triacantanol: The role player in *Polianthes tuberosa* var. Pearl response to under natural conditions. *Biocatalysis and Agricultural Biotechnology* .Volume 60 103270
9. Gupta, S., Kumar, D., Joshi, D.M, Marahatta, S., Sunita, K., Zacharia, G.A, & Hasan W . (2024).Harnessing the Power of Microflora Diversity: Exploring Alternative Solutions to Phosphorus Scarcity in the Soil-Plant System. *International Journal of Agricultural and Applied Sciences* (5(1)):52-67
10. Singh, N., and Sunita, K. (2024).Nutritional Composition of Golden Sweet Potato and its Role in alleviating Vitamin-A Deficiency through a Food based Approach . *Indian Journal of Natural Sciences*.15(84):74329-74332
11. Singh, N., and Sunita, K. (2024).Screening and evaluation of resistance variety of golden sweet potato (*Ipomoea batatas* L.) under water stress. *International Journal of Botany Studies*.9(8):65-67
12. Mohd, A., Singh, A.K., Singh, A., Kumar, C., Vineeta., Sunita, K., & Gupta, P. (2024). Empowering Farmers through Community-Based Agroecological Initiatives. *Advances in Bioresearch*, 15(5):15-21
13. Sunita, K., Sondarva, K.S., Jayswal, P.S., A, Mohd., A., Singh, D., & Gupta, Pooja.(2024).Climate –Smart Dryland Horticulture: Mitigating Climate Change Impact Through Remote Sensing and GIS. *Advances in Bioresearch*,15 (5):1-14
14. Pillai, S.N., Dutta, D., Ghasal, P.C., Natesan, R., Chaudhary, V.P., Kumar, S., Meena, L.R., Singh, O., Brahmduddt ., Mandal, V.P., Singh, S., Sunita,K. (2023).A Composite Index to Assess the Climate-Carbon-Yield-Sustainability of Cereal Based Cropping System .*International Journal of Plant Production*, 17:(4)729-755
15. Dev, D., Kannaajiya, O., & Sunita, K.(2023). Effect of water stress (drought) on growth, photosynthetic

16. Yadav, D.K., Devappa, V., Kashyap, A.S., Kumar, N., Rana ,V.S, Sunita, K.(2023).Boosting the Biocontrol Efficacy of *Bacillus amyloliquefaciens* DSBA-11 through Physical and Chemical Mutagens to Control Bacterial Wilt Disease of Tomato Caused by *Ralstonia solanacearum*. *Microorganisms*. 11(7), 1790
17. Anand, U., Pal, T., Yadav, N., Singh, V. K., Tripathi, V., Choudhary, K. K.,Shukla, A. K., Sunita, K., Kumar, Ajay., Bontempi, E., MaYing, K. M., Singh, Amit, K. (2023). Current Scenario and Future Prospects of Endophytic Microbes: Promising Candidates for Abiotic and Biotic Stress Management for Agricultural and Environmental Sustainability. *Microbial Ecology*, Springer 86(3),1455–1486.
18. Anand, U., Anukool, V., Sharma, S.K., Jagajjit, A.S., Sunita, K., Suresh, S., Dey, Abhijit., Bontempi, E., Singh, A.K., Proćków, J., Shukla, A.K. (2022).Current advances and research prospects for agricultural and industrial uses of microbial strains available in world collections. *Science of the Total Environment* 842 156641
19. Anand, Utpa., Carpena, M., Kowalska, G.M., Garcia, P.P., Sunita, K., Bontempi, E., Dey A., Prieto M. A.* , Proćków, J. & Simal,- G.J.(2024). Safer plant-based nanoparticles for combating antibiotic resistance in bacteria: A comprehensive review on its potential applications, recent advances, and future perspective. *Science of the Total Environment (SCI)* **Impact Factor=10.45**15;821:153472.
20. Kumar, H., Priya, Y. S., Kumar, M., Elangovan, V., & *Sunita, K. (2022).Fourier transform infrared spectroscopic characterization of powdery mildew infection in mulberry leaves. *Journal of Biotechnology and Crop Science*, 10(15),102-110
21. Kannaojiya, O., & **Sunita K.**(2022) .Evaluation of Aromatic Rice of India.*World Journal of Pharmacy and Pharmaceutical Sciences*,11(10),103-113
22. Sharma, J., Sharma, D., Singh, Amit., & **Sunita, K.**(2022).Colistin Resistance and Management of Drug Resistant Infections. *Canadian Journal of Infectious Diseases and Medical Microbio,logy* 4315030, 1-10
23. Singh, Nidhi., **Sunita, K.,*** & Chaudhary, R. C. (2022).Cultivation and uses of Golden Sweet Potato (Ipomoea Batatas): A Review .*World journal of pharmacy and pharmaceutical sciences (other)*,11(8),490-504
24. Sheikh, T., Hamid, B., Baba, Z., Iqbal, S., Yattoo, A., Fatima,S., Nabi, A., Kanth, R., Dar, K., Hussain ,N., Ahmad, I. A., **Sunita K .**,& Sayyed, R.Z. (2022). Extracellular polymeric substances in psychrophilic cyanobacteria: A potential bioflocculant and carbon sink to mitigate cold stress . *Biocatalysis and Agriculture Biotechnology* (Elsevier) (ESCI)42, 102375 **Impact Factor–3.8**
<https://doi.org/10.1016/j.bcab.2022.102375>
25. Singh, P. K., Prajapati S.K., **Sunita K.,** & Chaturvedi R.K., (2022). Disturbance induced changes in diversity of medicinal plants in a dry tropical forest of India. *Frontiers in Forests and Global Change* (SCI).vo 4 ,718930 <http://dx.doi.org/10.3389/ffgc.2021.718930> **IF – 3.6**
26. Das,T., Saha, S.C., **Sunita,K.,** Majumder, M., Ghorai, M., Mane, A.B., Prasanth, D.A., Kumar, P.,Pandey, D.K., Al- Tawaha, A.R., Batiha,G.E.S., Shekhawat, M.S., Ghosh, A., Rad, J.S., & Dey, A.(2022). Promising botanical-derived monoamine oxidase (MAO) inhibitors: pharmacological aspects and structure- activity studies.*South African Journal of Botany*.146, 127-145 <https://doi.org/10.1016/j.sajb.2021.09.019> **Impact Factor - 2.3**
27. Sunita,* K., Srivastava, S., N, N.K., & P.M.K. (2022).Biodiversity in Ramgarh Area of Gorakhpur Eastern Uttarpradesh U.P. *World Journal of Pharmaceutical and Medical Research* . 8(3), 207 – 208.SJIF – 5.922
28. Anand, U., Tudu, C. K., Nandy, S., Sunita K., Tripathi, V., Loake, G.J., Dey, A., & Proćkow, J. (2022). Ethnodermatological use of medicinal plants in India: From ayurvedic formulations to clinical perspectives – A review . *Journal of Ethnopharmacology* (SCI) .284 ,114744 <https://doi.org/10.1016/j.jep.If 4.36>
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47. **Sunita, K.,** Gond, K.D., Samuel, C. O., & Abbasi, P.(2011).A Comparative study of Aeromycospora in different localities of Gorakhpur,U.P
48. **Sunita, K.,** Abbasi, P., & Srivastava, M. (2011).Expectorants Extracted from Plants by Local Folklore Of north Eastern Tarai Belt of Gorakhpur Region, U.P. India. *The Journal of Indian Botanical Society*.(UGC).90 (1&2) 147-153.
49. Gond, K.D., **Sunita, K.,** Samuel, C.O., & Abbasi, P.(2011). Collection of Local Knowledge of Natural Dye Yielding plants in and around Gorakhpur-U.P. *International Journal of Biological Technology*. (ICI)IJBT 2(Special Issue),133-140
50. Sunita, K., Srivastava, M., & Abbasi, P. (2011).Estimation of nitrate reductase and chlorophyll content of some medicinally important leguminous plants. *Journal of Basic and Applied Biology* (ICI)163-168
51. Gond, K.D., Kumar, D., Minz, S., **Sunita, K.,** Samuel, C. O., & Abbasi P., Wetland Plant Diversity of Mau, District Uttar Pradesh India. *Journal of Basic and Applied Biology* (ICI) 360-367.

Invited talk : 23

Sl. No.	Title of the Lecture/Academic Session	Title of Conference/ Seminar etc.	Organized by	Whether international/ national state/university level
1.	Ethnogaecological medication by Tharu tribes of Nautanwa block of Maharajganj District of Eastern Uttar Pradesh India	Women International Day 6 March 2020	ICMR –RMRCGKP BRD medical College Gorakhpur (U.P.) as Chief Guest.	National level

2.	Ethnobotany and immunity:Way to fight against COVID-19	“Crosstalk between ethnobotany and Immunology: A fight againstCOVID-19 on 5 th June 2020	P.K College Department of Botany Contai, West Bengal as Resource Person.	National Webinar
3.	Light Reaction	Botany Lecture Series IX heldon 9 th June 2020	Society for Researchin Biological Scienceand Department of Botany Swami Shukdevanand College Shahjahanpur (U.P.)as Guest Speaker.	National
4.	Role of Traditional Plants in Combating infactious diseases.	Recent Trends in Applied Sciences Challenges & Opportunities due to COVID-19” on June 17- 18,2020	Faculty of Science Mohammad Ali Jauhar University, Rampur as Guest Speaker	International Webinar
5.	Biodiversity and traditional uses of medicinal Plants in the gorakhpur region of Uttar Pradesh.	The Challenges of Biodiversity in India: Problemand solution” on Feb 28 th February 2021	Maharana Pratap P.G. College, Jungle dhusar,Gorakhpur.	National
6.	Conservation of Local medicinal Plants:initiative of Aatm nibhar Bharat on 6 th March 2021	NSS Seven Days Special Sivir06 March 2021	Maharana Pratap womens P.GCollege Ramdatt Pur Gorakhpur	State
7.	Dark Reaction and Photorespiration in Plants	Resource person in the Guest Lecture	Organized by Department of & Bioinformatics Botany Nirmala College for Women Red Fields,Coimbatore 27 january 2021	National
8.	Vermitechnology for sustainable Agriculture and Organic Waste Management	Resource person in One dayNational Virtual Webinar	Organized by Department of zoology,M.R.Goverment Arts College Mannargudi-614001 on 30 th July 2021	National
9.	Plants our most precious friends	Resource person in InductionProgramme	Organized by Guru Gorakhnath instituteof Medical science (Ayurved College) Mahayogi Gorakhnath University Gorakhpur	National

10	Impact of PGPR in Kalanamak rice under salinity condition.	Featured Speaker	7 th Asian PGPR international conference for sustainable Agriculture on 23-26 August in Malaysia	International
11	Plant growth promoting rhizobacteria (PGPR) : a potential role in crop improvement and sustainable agriculture	Featured Speaker	Ist Asian PGPR Indonesia Chapter International Conference Sustainable Agriculture and Ecotourism	International
12.	Halo Tolerant Plant Growth Promoting rhizobacteria to amplify growth in kalanamak	Featured Speaker	Rashtra Chetna Utsav Vision 2047	International Seminar
13.	HT-PGPR Pseudomonas fluorescens strain DTPF3 in Kalanamak rice to strengthen plant growth and soil health under salinity stress	Keynote Speaker	International multidisciplinary conference on recent innovation in Science, Engineering, Management, and Humanities (RISHEM-2022)	International
14.	Disease management in Hydroponics	Invited talk	One month course entitled “Hydroponics and Vertical Farming: New Vistas in Smart Agriculture” Division of Plant Physiology, Faculty of Basic Sciences SKUAST Jammu, Chatha 10 March 2023	National
15	Prospective, Challenges and Policy recommendations for higher education in India; NEP	Invited lecture	Recommendations for higher education in India : NEP 7 February 2023	National
16	Identification of Traditional Plants used by Tharu Community of Balarampur District of UP.	Invited lecture	Integrated Approaches to Environmental Sustainability and Biodiversity Conservation Organised by Department of Botany, Dr BRR Government Degree College, Jadcherla 10 May 2023	National
17	Enhancing drought stress tolerance in Golden Sweet Potato Via Interaction With rhizobacteria for sustainable agriculture	Invited Talk	5th International Conference on “Climate Change and Its Impact (CCI 2023)” held at Sher-e-Kashmir	International.

			University of Agricultural Sciences and Technology (SKUAST-K) Srinagar, J&K., India on June 9-11, 2023.	
18.	Briksh aur Ayurveda	Invited talk	Sanskrit Sanskriti Vikash Sansthan Mahilasakha (Purvanchal Prant U.P)	National
19.	Ethnobotanical Study of traditional medicinal plants in combating infectious diseases around Devi Patan Tulsipur district of UP region.	Invited talk	SASE,22-23 April by Institute of Medical Sciences,BHU,UP.	National
20.	Effect of PGPR on morpho-physiological and biochemical parameters on Golden Sweet Potato under drought	Invited talk	University of Horticulture,Bengaluru,Bagalkot,19 to 21 september 2023	National
21	Vermicomposting method and its importance in Sustainable Agriculture	Invited Lecture	Department of Zoology B.P Baria Science Institute, Navsari 8JUNE 2024	National
22	Analysing the role of Halotolerant PGPR in Enhancing Growth of Kalanamak Rice under Salinity Stress.	Invited Speaker	Global Effort for Upliftment of Rural Mass Through Biological Science and Multidisciplinary Research GURBMR 2024 Organized by Department of Botany,Gossner College Ranchi, Jharkhand,India.June 8&9 2024.	National
23	Organic Farming :Cultivating a Sustainable Future	Keynote Speaker	International Multidisciplinary Conference on Recent Innovations in Sciences, Engineering, Management and Humanities (RISEMH-2024) J.S .University ,Shikohabad October 25-26,2024	International

1. National / International Academic Visits:

S. No.	Name of Faculty Member	Name of Institution/ Laboratory / Industry	Place	Duration	Purpose
1.	Dr. Kumari Sunita	Guwahati College Bamunimaidam Guwahati at Cotton University ,Assam	Guwahati	10 Dec 2024	For research collobarative work

2.	Dr Kumari Sunita	Department of Plant Pathology, Palli Siksha Bhavana (Institute of Agriculture) Visva – Bharati ,Sriniketan	Bolpur West Bengal	8 March 2025	Invited as Guest of honour in a one day Awareness Programme on Intellectual Property under IPR Component of MSME Innovative Scheme IP Outreach Mission in Viksit Bharat
3.	Dr. Kumari Sunita	Department of Pharmaceutical Technology Jadavpur University, Kolkata	Kolkata	11 June 2025	Delivered lecture on the topic Plants: the heartbeat of nature
4.	Dr Kumari Sunita	ICBA Agriculture for Tomorrow	Dubai	29 Nov 2023	Visit Hydroponics center ,Seed Bank,Cultivation of salt tolerant
5.	Dr Kumari Sunita	University Putra	Malaysia	23 Aug 2023	7 th Asian PGPR international conference for sustainable Agriculture

Seminars/ Conferences/ Workshops/ Webinars attended:

SL. No.	Title of the Lecture/Academic Session	Title of Conference/ Seminar etc.	Organized by	Whether International National / State University Level
1	Impact of Sodium Benzoate on NET Assimilation Rate and Antioxidant Enzymes on Two Cultivars of Wheat Under Saline Condition	Physiological and Molecular Approaches for Crop improvement under Changing Environment, 25 th & 27 th November 2010.	Banaras Hindu University, Varanasi (U.P.	National
2	Dye Yeilding Plants Used Traditionally in Gorakhpur Region By Local People.	Climate Change & Biodiversity, 21 st & 22 nd January 2011.	S. V. M. M. P.G. College, Gorakhpur (U. P.).	National
3	Host Range of Dendraphthoe Falcata in Gorakhpur & Adjcent District of U.P.	Climate Change, Biodiversity & Conservation, 16 th & 17 th February 2011.	St.Andrews College, Gorakhpur (U. P.).	National
4	Studies on Aeromycoflora Present in the Air of Gorakhnath Mela and Gorakhpur Railway Station.	Status Of Biodiversity – Matter of Global Concern 21 th & 22 nd Feb, 2011	Shiv-Pati Post-Graduate College, Shohratgarh, Siddharthnagar, (U. P.).	National

5.	Wetland Plant Diversity of Gorakhpur District Uttar Pradesh India.	Biotechnology for sustainable Development DBT CONSUSD-11 15 th &16 th November 2011,	DBT, D.D.U University Gorakhpur(U.P)	National
6	Effect of Water Stress On Physiological Parameters Of <i>Cassia Occidentalis</i> .	Biodiversity:Changing Pattern and Conservation Strategies 26 th &28 th November 2011.	Department of Botany Deen Dayal Upadhyay Gorakhpur University,Gorakhpur (U.P)	National
7	Wood Decay Fungi and Diseases in Ramgarh Forest Gorakhpur wood decay fungi and diseases in ramgarh forest gorakhpur U.P some fungi Collected from certain tree species present in ramgarhforest gorakhpur u.p	National Conference on Climate Change, Biodiversity & Conservation, 15 th & 16 th February 2012.	St. Andrews College, Gorakhpur (U. P.).	National
8	Some fungi collected from certain tree species present in ramgarh forest Gorakhpur u.p	International Conference Mycology and Plant Pathology Biotechnological approaches February 27 th &29 th ,2012	Centre of advanced study in botany Banaras hindu university,Varanasi	International
9	Study of nitratereductase and chlorophyl content of some medicinallyimportants legumes	National Conference on Vulnerabilities and Adaptations of Fauna and Flora to Rapidly Changing Environment 21 nd & 22 nd November 2012,	Department of Zoology St. Andrews College,Gorakhpur (U. P.).	National
10	Wetland plant diversity of Mau District Uttar Pradesh India	-	-	-
11	Medicinal importance of wild legumes	National Science Congress ,2 nd &4 th March 2013	Deen Dayal Upadhyay Gorakhpur University, Gorakhpur(U.P).	National
12	Effect of salinity on growth ,nitrate reductase activity and flavonoid content in <i>melilotus Indica</i>	Biodiversity ,Conservation Strategies and Sustainability of Medicinal Plants for their Pharmaceutical use in Human Health and Prosperity, August 24-25 2013.	St. M.G.Post Graduate College, Gorakhpur (U. P.).	National
13	Salinity modulates the production of phytochemical in melilotus indica and Tephrosia purpurea	Drug Discovery, Threatened Medicinal Plants & Strategies for Sustainable use. February 25 th &26 th September 2013.	St. Andrews College, Gorakhpur (U. P.).	National

14	Ethno-botanical studies on indigenous wetland plants Of gorakhpur and adjacent districts of uttar pradesh India	National Conference on Drug Discovery, Threatened Medicinal Plants & Strategies for Sustainable use. February 25 th & 26 th September 2013.	St. Andrews College, Gorakhpur (U. P.).	National
15	Response of salinity stress on compatible Solute and secondary Metabolites production in <i>tephrosia purpurea</i>	XXXVI All India Conference of the Indian Botanical Society on Plant Wealth and Human Welfare. October 18-20, 2013	D.D.U Gorakhpur University, Gorakhpur (U.P).	National
16	Antioxidant defence mechanism in <i>tephrosia purpurea</i> and <i>melilotus indica</i> medicinally important legumes Under Salinity	International Conference, Harmony-2013 on Harmony with nature in context of ecotechnological intervention and climate change 11-13 Nov 2013	Department of Zoology Deen Dayal Upadhyay Gorakhpur University, Gorakhpur (U.P).	International
17	Effect of salinity on enzyme activity and some biochemical parameters of wild legume <i>melilotus indica</i>	International Conference on Health, Environment & Industrial Biotechnology (Bio Sangam 2013) November 21-23,	Motilal Nehru National Institute of Technology Allahabad.	International
18	A study of indigenous plants used by local tribes for the cure of dysentery and diarrhea in north eastern tarai belt of u.p. india	International Conference on Frontier Discoveries and Emerging Opportunities in Life Science (DST-PURSE SPONSORED) 13-15 February, 2014	Organized by Department of Biotechnology, School of Biological Sciences Dr. Harisingh Gour University (A Central University), Sagar. M.P. India	International
19	Use of trichoderma harzianum as biopesticide	National Seminar on Recent Trends in Microbiology 15 March, 2014.	organised by Department of Industrial Microbiology D.D.U Gorakhpur University Gorakhpur	National

E-content / online course material developed:

S. No.	Number of Online Study Material	Number of Faculty Members uploaded Online Study Materials	Weblink(s)
1	03	Dr Kumari Sunita	1. Physiological effect of Gibberellins https://youtu.be/gLHeZEPi7ok?si=PkYR8agilTpU6roc 2. Why we Study Plant Physiology https://youtu.be/ADohXf1FEKY?si=qgVEFJ8ap-B3k0k3 3. Transport in Plants https://youtu.be/mWLUfaekpxs?si=d-CC4ki-yVyaOUaZ

Seminars/ Conferences/ Workshops/ Webinars/Training/organized:

S. No.	Name of the Event	Date (from - to)	Organized by	National / International
1.	Acted as the Organising secretary in International Conference on Advancements in Basic Science ,Environmental studies,and Traditional medicine for Translational Drug Discovery and Development (TMT3D-2024), contributing to the successful coordination and execution of the event."	21-23 November 2024	Department of Dravyaguna ,Faculty of Ayurveda, Institute of Medical Sciences.BHU Varanasi U.P. Institute of Medical Sciences BHU, National Environmental Science Academy ,New Delhi	International
2.	Served as Organising Secretary for the National Conference on Sustainable Food Security(SFS 2025-SDG2)	11 March 2025	Department of Botany DDU Gorakhpur University Gorakhpur	National
3.	Served as Co-ordinator for the National Conference on Emerging Trends in Science	01-02 february,2019	Department of BotanyMaharana Pratap P.G. College Jungle Dhusar, Gorakhpur .	National
4.	Acted as the Convenor in International Webinar on Trends in Sustainability: Regenerative Agriculture	June 26 & 27,2020	Department ofBotany M.P.P.G College Jungle dhusar Gorakhpur, U.P. in collaboration with P.K College Contai West Bengal on	International
5	Rethinking of economic crop development and crop nutrition in times of modern biology. (One More Step Forward) Towards ATMNIRBHAR BHARAT	18 th July ,2021	By SRBS Society	National
6.	Acted a as Organising Secretary in National quiz on Traditional medicine and COVID-19",	May 25 - 29, 2020.	in theDepartment of Botany DDU Gorakhpur University Gorakhpur-273009 U.P.	National
7	Organized Online National Quiz on “ Myth and Faith in COVID 19 Situation ” (Organizing Secretary).	June 01 - 05, 2020	N.S.S of Maharana Pratap P.G. College Jungle Dhusar Gorakhpur -273009 U.P	National
8.	Organized E-Quiz on June 20-21,2020 in Online Yog Shivr aivam shaikshik karyshala.(Organizing Secretary)	June 15-21, 2020	Jointly organized by Mahayogi Guru Shri Gorakhnath Yog Sansthan Shri Gorakhnath Mandir and Maharana Pratap Shiksha Parishad on the auspicious occasion of Sixth International Yoga day	National
9.	Organized 7 days Online Model Training Course on Vermicomposting &	30th Juneto 6th July 2021,	by Faculty of Agriculture in Collaboration with UGC-HRDC, DDU Gorakhpur	

	Organic Farming, (Organizing Secretary)		University Gorakhpur U.P, India	
10.				

Teaching Experience:

INSTITUTION	Experience			Ph.D. / M.Phil. (Give Number)		
	Post Held/Pay	From	To	Awarded	Under Submission	Research in Progress
ST.ANDREWS COLLEGE GORAKHPUR	LECTURER	19/07/2008	20/03/2010	01	02	03
DDU GORAKHPUR UNIVERSITY GORAKHPUR	RESEARCH SCHOLAR	02/07/2013	28/02/2014	Projects :03 Invited Lectures : 23 Paper presented in conference : 44		
D.V.N.P.G COLLEGE GORAKHPUR	ASSISTANT PROFESSOR	21/10/2014	20/09/2015			
ANDNNMM KANPUR	ASSISTANT PROFESSOR	16/10/2017	29/04/2018			
DDUGKP UNIVERSITY,INDUSTRIAL MICROBIOLOGY	GUEST FACULTY	02/07/2018	Till date			
DDUGKP UNIVERSITY BOTANY	ASSISTANT PROFESSOR	29/04/2018	Till date			

.Participation in Workshop

- 1 Work shop on Environment and Biodiversity 14th March ,2011 organised by Department of Botany. D.D.U University Gorakhpur and Shohratgarh Environmental Society Siddharth nagar . UP.
- 2 **National** Work shop on Sensitization of women Scientists 13th August ,2012 Sponsored by Department of Science & Technology, New Delhi Organised by Biozone Research Foundation, Department of Botany D.D.U Gorakhpur University Gorakhpur (U.P) .
- 3 Work shop on Emerging challenges in potability of Drinking water in Trai region of eastern U.P. october 11-12,2012 Sponsored by Department of Science &Technology New Delhi organised by Biotechnology and Molecular Biology Center. M.G.P.G. College Gorakhpur.
- 4 Work shop on Biodiversity conservation November 1st 2012 organised by Department of Botany, St Andrews college Gorakhpur and Shohratgarh Environmental society
- 5 International Workshop on Statistical skills 8th& 9th August 2015,Organized by International Science Congress Association Under the auspices of Maharaja Ranjit Singh College of Professional Sciences,Indore,MP,India

22.Remark

- Chaired a Session in National Seminar –Cum-Consultation Workshop on Revisiting Traditions and Culture (RTC 2019): June 14-15, 2019 (ICAR-IISWC), Dehradun, Uttarakhand.
- Chaired a Session act as a **judged** in Debate Competition on 08th December 2019 Organised by MPSP at D.V.N.P.G College Gorakhpur.
- Actively participated and **judged** a session of Quiz contest during Motivation and Innovation Programme for Science Students on August 25,2019 sponsored by NCST,DST(Govt.of India). Organised by Department of

Botany D.D.U Gorakhpur University Gorakhpur. U.P (INDIA).

- **Chaired a Session act as a judged** in Debate Competition on 08th December 2020 Organised by MPSP at
- D.V.N.P.G College Gorakhpur Actively participated and judged a session of Quiz contest during Motivation and Innovation Programme for Science Students on August 25,2019 sponsored by NCST, DST(Govt. of India). Organised by Department of Botany D.D.U Gorakhpur University Gorakhpur. U.P(INDIA).
- **Certificate of Rover Rangers**
- Certificate of Environmental sciences conducted classes
- Rapporteur in the Oral Session under the theme Climate Change and its impact(Technical Session IV) 4th International Conference Global Effort on Agriculture ,Forestry,Environment and Food Security
- Invited lecture kalanamak rice in Kushinagar during PIMC Meeting organized by NABARD under the project Demonstration of zero budget natural farming (ZBNF) under kalanamak rice system of Kushinagar

Details of Participation in Universities Activities

1. **Assistant Proctor,DDU Gorakhpur University,Gorakhpur** from 2018-2019.
2. Assistant Superintendent in M.Sc. Semester exam (Faculty of Science) from 2018-2019.
3. Assistant Superintendent in Industrial Microbiology Exams of DDU Gorakhpur University,Gorakhpur
4. Worked as member in Admission committee.DDU Gorakhpur University, Gorakhpur
5. Worked as member of **Deen dayal Upadhyay Sodh Peeth** ..DDU Gorakhpur University,Gorakhpur.
6. Worked as member of **SC/ST Grievance Redressal cell**.,DDU Gorakhpur University,Gorakhpur.
7. Worked as member of **Clean Green Campus Committee**.,DDU Gorakhpur University,Gorakhpur.
8. Worked as member of **Padhe Gorakhpur**” abhiyan .DDU Gorakhpur University,
9. Worked as member of **Studio and media cell committee**.DDU Gorakhpur University,Gorakhpur
10. Assistant Coordinator,Faculty of Agriculture,DDU Gorakhpur University ,Gorakhpur.
- Assistant Superintendent in Evaluation 2022 at DDU Gorakhpur University Gorakhpur
11. Member of BOS in Botany 2022 and Industrial Microbiology
12. Member of Admission Committee in Plant Biotech and Bioinformatics.(2021-2022)
13. Member of Departmental Research Committee (DRC) of Botany Department.(2022-2023)
14. Assistant Center Superintendent in Annual and Semester Examination (2022-2023).
15. Member of Product Development,Monitoring and Commercialization Committee (2022-2023).

As Programme officer in NSS.

- 16.Cordinator of AZADI KA AMRIT MAHOTSAV 11 August -17 August 2022 at DDU Gorakhpur University Gorakhpur

Educational Tour/ Excursions: On 15th November 2020, with B.Sc IIIrd year students in Bhutwal Nepal.

Life memberships of academic societies:

- Indian Phytopathological Society (IPS) .
- Clean and Green Environmental Society (CGES).
- Asian PGPR Society
- Society for Research in Biological Science
- Society for Environmental Sustainability

