**PROFILE OF THE TEACHER**

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1. **Name of the Teacher: Dr. Kumari Sunita**
2. **Date of Birth : 11/08/1985**
3. **Father’s Name: Shri Ram Nath Prasad**
4. **Mother’s Name: Smt. Santoshi Devi**
5. **Name of the Department: Botany Department**
6. **Date of Joining the University:29.04.2018**
7. **Total Teaching Experience: UG-11 years PG-12 years**
8. **Total Research Experience:12 years**
9. **Academic Qualification:**

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| **Qualifica tion level** | **Board/Universit y** | **Year of compl****etion** | **Mark s Obtain****ed** | **Percen ta ge/****Gra de** | **Subjects** | **Specialisa tion** | **Rank/distinc ti on, if any** |
| High School | West BengalBoard ofSecondary | 2001 | 551/800 | 68.87 | Hindi, English Physical Science, Geography, MathHistory, Life Sc |  | Distinction in **Life Science , Geography** |
| Intermediat e | Board ofSecondary | 2003 | 470/650 | 72.31% | Hindi,English, |  | Distinctionin Physics, |
|  | Education, |  |  |  | Physics, | Biology and |
|  | Rajasthan |  |  |  | Chemistr | Computer |
|  |  |  |  |  | y, | Science |
|  |  |  |  |  | Biology, |  |
|  |  |  |  |  | Computer |  |
|  |  |  |  |  | Science |  |
| Graduation | D.D.UGorakhpur | 2006 | 1385/1800 | 76.94% | Botany, Zoology, |  | **Ist Position Distinction** |
|  | University |  |  |  | Chemistr | **in** |
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| Post | D.D.U | 2008 | 681/900 | 75.66% | Botany | Specializati o | **Ist Position** |
| Graduation | Gorakhpur | n: Plant |
|  | University | Pathology |
| GATE | Indian Institute of Science,Bangalore- 580012 | 2008 |  | 63.75 | XL-Life Sciences (Chemistry,Botany,Bioche mistry) |  | **Ist Position** |
| NET | UGC (National Eligibility test) | 2012 |  |  | Environmental Sciences |  | **Qalified** |
| Ph.D. | DDU Gorakhpur University,Gorakhpur | 2015 |  |  | Botany | **Plant Physiology,** Stress Physiology, Biochemistr yAbiotic Stress, Ethenobotany | **Ist Position in Pre.Ph.D Exam,** **DDU****Gorakhpur University****,Gorakhpur** |
| BIOINFOR MATICS DIPLOMACOURSE | ST. Andrews College | 2008 |  |  | **BOTANY** |  | **A+** |

1. **International/National fellowship/award/recognition: 19**

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| **S.****No.** | **Name of the award/fellowship/recognition** | **Year of Awar****D** | **National/Internation al** | **Awarding Agency** |
| 1 | Smt. Mundar Devi Memorial Medal | **2004** | **National** | **St. Andrew’s College** |
| 2 | S.N. Chaudhary Memorial Medal | **2005** | **National** | **St. Andrew’s College** |
| 3. | Sheo Nidhi Lal Srivastava Memorial Medal | **2006** | **National** | **St. Andrew’s College** |
| 4. | Hari Prasad Janki Devi Memorial Medal | **2008** | **National** | **St. Andrew’s College** |
| 5. | RGNF | **2012** | **National** | **UGC** |
| 6 | BEST POSTER AWARD | **2015** | **National** | **B.H.U. Varanasi** |

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| 7. | BEST ORAL PRESENTATION AWARD | **2020** | **National** | **IPS** |
| 8. | WOMEN SCIENTIST AWARD | **2020** | **National** | RFPIDM-2020 BHU VARANASI |
| 9. | Best Oral Presentation Award | **2021** | **International** | ICAR-IARI NewDelhi 2021 |
| 10 | Certificate of Appreciation | **2021** | **International** | 28th-30th August Udayana University,Bali –Indonesia |
| 11 | Certificate of Appreciation | **2021** | **National** | Counsil of Science and Technology U.P Lucknow. For contribution as jury member in GorakhpurMahotsav-2021 |
| 12. | Certificate of Appreciation | **2021** | **National** | DDU Gorakhpur University Gorakhpur,UP.For Contribution in the field of Higher Education,Teacingand Research. |
| 13 | Outstanding women Researcher in PGPR | **2022** | **International** | 7th 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 |
| 15 | SRBS outstanding Environmentalist award | **2022** | **National** | Society for research in biological Science |
| 16 | Young Scientist Award for outstanding contribution and recognition in the field of Plant Physiology | **2022** | **International** | AETDS,FAFEF2022 at Pokhra ,Nepal |
| 17 | Best oral presentation ,Second position in Technical session Ist Theme 3rd 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** | RISHEM2022 |
| 19 | Fellow Award-2023 in the field of **Plant Physiology** | **2023** | **Internatiuonal** | CCI -2023Sher-e-Kashmir University of Agricultural Sciences and Technology SKUAST-K Srinagar J&K.,India |
| 20. |  |  |  |  |

1. **Specialization: Plant Physiology,Plant Pathology**

 **12. Area of interest**: Plant growth promoting rhizobacteria, Plant physiology, Ethnobotany, Environmental remediation, Vermicomposting, Agricultural Plant Science

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

 1. Biological nitrogen fixation of underutilised legumes,

 2. Stress Physiology,Phytochemistry,

 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

**14.BOOKS (Please list up to 05 books which you consider most important**

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| --- | --- | --- | --- |
| Sl.No. | TITLE | AUTHORS | Publisher, Year of Publication and ISBN No. |
| 1. | “Wild Legumes Melilotus indica and Tephrosia purpureaund er salt stress. | Sunita Kumari.,. Srivastav a Malvika & Abbasi P., | LAP LAMBERT Academi c 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 | From Probiotics to Postbiotics: Key to Microbiome andHealth. | Rajan Walhe,Hina Khan and **Sunita Kumari** | ISBN 978-981-16-1626-6 Springer |
| 3 | Impact of Postharvest management on Tomato Quality | **Sunita Kumari** | ISBN:9789391734008 |
| 4 | **Role of Underutilized Legumes in Ethenomedicine****.** | Sunita Kumari | INNOVATIVE APPROACHES FOR MOTIVATION OF SCIENCE STUDENTS(TEACHING MATERIALS FOR SCIENCE STUDENTS. SPONSERED BY NCSTC DIVISIONISBN-978-93-89703-86-3 |
| 5 | Overview of SoilFertility from Past to Present.Ecosystem Services:Types, Management and Benefits | Eetela Sathyanarayana1,[[1]](#footnote-1)\*, J. Bharghavi1, Santhosh Kumar Manchala1, Mandla Rajashekhar1, Jatoth Veeranna1, Banda Rajashekar1, T. Prabhakar Reddy1, Saideep Thallapally2, Krishnananda Pralhad Ingle3, Alamuru Krishna Chaitanya4, Asik Duta5, Alavala Umarajashekhar1, Kumari Sunita6 and Hanuman Singh Jatav7 | ISBN 978-68507-614-6 Publisher: Nova Science Publishers, Inc. 415Oser Avenue, Suite N Hauppauge, NY, 11788 USA |

**15. Project :**

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| S NO  | PI/COPI WITH DESIGNATION | NAME OF THE PROJECT | FUNDING AGENCY | AMOUNT IN LACS | TENURE OF PROJECT | STATUSCOMPLETED/ONGOING | OUT COME/PROGRESS IF ANY \* |
| 1 | Dr. Kumari SunitaAssistant Professor | “Study the ageing effect of Golden Sweet Potato( Ipomoea batatas) Tubers on Carotenoid Content: An innovative approach towards Vitamin A Bio fortification”. |  CST,UP(Deppt 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 SunitaAssistant ProfessorAs a Advisor of the Project | Demonstration of Zero Budget NaturaL Farming (ZBNF) Under Kalanamak Rice System of Kushinagar | NABARD | 30,00000 | 3 years | Ongoing |  |
| 3. |  |  |  |  |  |  |  |
| 4. |  |  |  |  |  |  |  |
| 5. |  |  |  |  |  |  |  |
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1. **Research Papers Published: 38**

|  |  |  |  |
| --- | --- | --- | --- |
| Sl.No. | TITLE WTH PAGE NO | AUTHORS | Journal & Date |
| 1. | Cultivation and uses of Golden Sweet Potato (Ipomoea Batatas): A Review | **Singh Nidhi, Sunita Kumari \* and Chaudhary R. C.**  | World journal of pharmacy and pharmaceutical sciences (other)01 Aug 2022ISSN -2278-4357 |
| 2 | Extracellular polymeric substances in psychrophilic cyanobacteria: A potential bioflocculant and carbon sink to mitigate cold stress  | Sheikha[Tahir](https://www.sciencedirect.com/science/article/abs/pii/S1878818122001025#!),Hamidb[Basharat](https://www.sciencedirect.com/science/article/abs/pii/S1878818122001025#!), Baba[Zahoorb](https://www.sciencedirect.com/science/article/abs/pii/S1878818122001025#!),Iqba[Sadafla](https://www.sciencedirect.com/science/article/abs/pii/S1878818122001025#!), Yatooc, Sabah[Ali](https://www.sciencedirect.com/science/article/abs/pii/S1878818122001025#!),[Fatimac](https://www.sciencedirect.com/science/article/abs/pii/S1878818122001025#!)Nabid[Asha](https://www.sciencedirect.com/science/article/abs/pii/S1878818122001025#!), Kantha[Rehana](https://www.sciencedirect.com/science/article/abs/pii/S1878818122001025#!),[KhursheedDar a](https://www.sciencedirect.com/science/article/abs/pii/S1878818122001025#!)Hussain[Nazira](https://www.sciencedirect.com/science/article/abs/pii/S1878818122001025#!) IAlturkie ,**[SunitaKumar](https://www.sciencedirect.com/science/article/abs/pii/S1878818122001025%22%20%5Cl%20%22%21)**[i, Sayyedg](https://www.sciencedirect.com/science/article/abs/pii/S1878818122001025%22%20%5Cl%20%22%21) [f](https://www.sciencedirect.com/science/article/abs/pii/S1878818122001025%22%20%5Cl%20%22%21)[R.Z.](https://www.sciencedirect.com/science/article/abs/pii/S1878818122001025%22%20%5Cl%20%22%21)  | Biocatalysis and Agriculture Biotechnology (Elsevier) (ESCI)16 May 2022 , Volume 42**Impact Factor** <https://doi.org/10.1016/j.bcab.2022.102375> |
| 3 | Current advances and research prospects for agricultural and industrial uses of microbial strains available in world collections | Uttpal Anand [1](https://pubmed.ncbi.nlm.nih.gov/35700781/#affiliation-1), Vaishnav [Anukool](https://pubmed.ncbi.nlm.nih.gov/?term=Vaishnav+A&cauthor_id=35700781) [2](https://pubmed.ncbi.nlm.nih.gov/35700781/#affiliation-2), Sharma [Sushil K](https://pubmed.ncbi.nlm.nih.gov/?term=Sharma+SK&cauthor_id=35700781) [3](https://pubmed.ncbi.nlm.nih.gov/35700781/#affiliation-3), [Jagajjit](https://pubmed.ncbi.nlm.nih.gov/?term=Sahu+J&cauthor_id=35700781) [4](https://pubmed.ncbi.nlm.nih.gov/35700781/#affiliation-4), Ahmad [Sarfaraz](https://pubmed.ncbi.nlm.nih.gov/?term=Ahmad+S&cauthor_id=35700781) [5](https://pubmed.ncbi.nlm.nih.gov/35700781/#affiliation-5), Sunita [Kumari](https://pubmed.ncbi.nlm.nih.gov/?term=Sunita+K&cauthor_id=35700781) [6](https://pubmed.ncbi.nlm.nih.gov/35700781/#affiliation-6), Suresh [S](https://pubmed.ncbi.nlm.nih.gov/?term=Suresh+S&cauthor_id=35700781) [7](https://pubmed.ncbi.nlm.nih.gov/35700781/#affiliation-7), Dey [Abhijit](https://pubmed.ncbi.nlm.nih.gov/?term=Dey+A&cauthor_id=35700781) [8](https://pubmed.ncbi.nlm.nih.gov/35700781/#affiliation-8), Bontempi [Elza](https://pubmed.ncbi.nlm.nih.gov/?term=Bontempi+E&cauthor_id=35700781) [9](https://pubmed.ncbi.nlm.nih.gov/35700781/#affiliation-9), Singh [Amit Kishore](https://pubmed.ncbi.nlm.nih.gov/?term=Singh+AK&cauthor_id=35700781) [10](https://pubmed.ncbi.nlm.nih.gov/35700781/#affiliation-10), Proćków [Jarosław](https://pubmed.ncbi.nlm.nih.gov/?term=Pro%C4%87k%C3%B3w+J&cauthor_id=35700781) [11](https://pubmed.ncbi.nlm.nih.gov/35700781/#affiliation-11), Shukla [Awadhesh Kumar](https://pubmed.ncbi.nlm.nih.gov/?term=Shukla+AK&cauthor_id=35700781) [12](https://pubmed.ncbi.nlm.nih.gov/35700781/#affiliation-12) | Science of the Total Environment8 June 2022(SCI)**Impact Factor=10.45**<https://doi.org/10.1016/j.scitotenv.2022.156641>  |
| 4 | Disturbance induced changes in diversity of medicinal plants in a dry tropical forest of India | Singh Kumar Prasant,PrajapatiK Santosh,Sunita Kumari,and Chaturvedi Kant Ravi | **Frontiers in Forests and Global** **Change (SCI)****IF – 3.6**20 nov 2021 [http://dx.doi.org/10.3389/ffgc.20](http://dx.doi.org/10.3389/ffgc.2021.718930) [21.718930](http://dx.doi.org/10.3389/ffgc.2021.718930) |
| 5. | Promising botanical-derived monoamine oxidase (MAO) inhibitors: pharmacological aspects and structure-activity studies | [TuyeleeDas1#Suchismita Chatterjee](https://www.sciencedirect.com/science/article/abs/pii/S0254629921003902?via%3Dihub&!) [Saha2#KumariSunita3MadhumitaMaju](https://www.sciencedirect.com/science/article/abs/pii/S0254629921003902?via%3Dihub&!) [mder4MimosaGhorai1Abhijit](https://www.sciencedirect.com/science/article/abs/pii/S0254629921003902?via%3Dihub&!) [BhagwanMane5Dorairaj Arvind](https://www.sciencedirect.com/science/article/abs/pii/S0254629921003902?via%3Dihub&!) [Prasanth6Prasann Kumar7Devendra](https://www.sciencedirect.com/science/article/abs/pii/S0254629921003902?via%3Dihub&!) [KumarPandey8Abdel RahmanAl-](https://www.sciencedirect.com/science/article/abs/pii/S0254629921003902?via%3Dihub&!) [Tawaha9Gaber El-](https://www.sciencedirect.com/science/article/abs/pii/S0254629921003902?via%3Dihub&!) [SaberBatiha10Mahipal S](https://www.sciencedirect.com/science/article/abs/pii/S0254629921003902?via%3Dihub&!) [Shekhawat11ArabindaGhosh12JavadS](https://www.sciencedirect.com/science/article/abs/pii/S0254629921003902?via%3Dihub&!)[harifi-Rad13AbhijitDey1](https://www.sciencedirect.com/science/article/abs/pii/S0254629921003902?via%3Dihub&!) | [**South African Journal of**](https://www.sciencedirect.com/science/journal/02546299) |
| [**Botany**](https://www.sciencedirect.com/science/journal/02546299)[Volume 146](https://www.sciencedirect.com/science/journal/02546299/146/supp/C), May 2022, Pages 127-145**Impact Factor-2.3**[https://doi.org/10.1016/j.sajb.202](https://doi.org/10.1016/j.sajb.2021.09.019) [1.09.019](https://doi.org/10.1016/j.sajb.2021.09.019) |
| 6. | Water Soluble Vitamin in ten wild edible fruits consumed by the Tribal people of North- Eastern region in India : simultaneous estimation by High – Performance Liquid Chromatography (HPLC) method. | Seal Tapan, Saha D , Sunita K, Chaudhuri Kausik and Pillai Basundhara | International journal of Pharmaceutical Sciences and Research IJPSR (2021) Volume 12 , Issue 10**Impact factor- 0.94**1-10-2021https://ijpsr.com/bft-article/water- soluble-vitamin-in-ten-wild- edible-fruits-consumed-by-the- tribal-people-of-north-eastern- region-in-india-simultaneous- estimation-by-high-performance- liquid-chromatography-hplc- method/#:~:text=DOI%3A%2010.13040/IJPSR.0975- 8232.12(10).5517-25 |
|  |  |  | **E-ISSN : 0975-8232****P-ISSN : 2320-5148** |
| **7**. | Soil fertility status of soybean growing soils of Adilabad district, Telangana | Sathyanarayana E, Padmaja G, Saranya S, Bharghavi J, Kumar M Santhosh, Rajashekhar M, Veeranna J and Sunita Kumari | The Pharma Innovation Journal 2021; SP-10(10): 1112-1120**ISSN (E): 2277- 7695****ISSN (P): 2349-8242****NAAS Rating: 5.23, IF-2.75 TPI 2021;** SP-10(10): 1112-1120[https://www.thepharmajournal.co](https://www.thepharmajournal.com/archives/2021/vol10issue9S/PartE/S-10-7-146-193.pdf) [m/archives/2021/vol10issue9S/Pa](https://www.thepharmajournal.com/archives/2021/vol10issue9S/PartE/S-10-7-146-193.pdf) [rtE/S-10-7-146-193.pdf](https://www.thepharmajournal.com/archives/2021/vol10issue9S/PartE/S-10-7-146-193.pdf) |
| 8 | Wild edible plants used by different tribal communities ofBhadradri Kothagudem district of Telangana state, India | Pothuraju Venkateswar,Gollamandala Ravi,Appaiah Asalla,Kumari Sunita,Dosari Veeranjaneyulu | Bioscience Discovery, 12(4):184-200, Oct. – 2021<https://jbsd.in/>IF – 0.675 |
| 9 | Safer plant-based nanoparticles for combating antibiotic resistance in bacteria: A comprehensive review on its potential applications, recent advances, and future perspective | Anand Uttpal , Carpena M , Kowalska-Góralska Monika , Garcia- Perez P. , Sunita Kumari , Bontempi Elza , Dey Abhijit , Prieto Miguel A.⁎ , Proćków Jarosław ⁎ , Simal- Gandara Jesus, | Science of the Total Environment (SCI) ISSN 0048-9697(print); 1879-1026 (web)**Impact Factor=10.45** |
| 10 | Biodiversity in Ramgarh Area of Gorakhpur Eastern Uttarpradesh U.P. | Sunita\* Kumari , Srivastava Shobhit, Kumar N Nirmal. and P.M Karuppasamy | World Journal of Pharmaceutical and Medical Research2021SJIF – 5.922ISSN 2455-3301 |
| 11. | Ethnodermatological use of medicinal plants in India: From ayurvedic formulations to clinical perspectives – A review | Anand Uttpal , Tudu Champa Keeya , Nandy Samapika , Sunita Kumari , Tripathi Vijay , LoakeGary J. , Dey Abhijit , Pro´ckow´Jarosław | Journal of Ethnopharmacology (SCI)**Impact factor- 4.36**2022[https://doi.org/10.1016/j.jep.2021](https://doi.org/10.1016/j.jep.2021.114744)[.114744](https://doi.org/10.1016/j.jep.2021.114744) |
| 12 | SARS-CoV-2 and other pathogens in municipal wastewater, landfill leachate, and solid waste: A review about virus surveillance, infectivity,and inactivation | Anand Uttpal , Li Xuan , Sunita Kumari , Lokhandwala Snehal , Gautam Pratibha, Suresh S., Sarma Hemen , Vellingiri Balachandar , Dey Abhijit , Elza Bontempi \*,Guangming Jiang | Environmental Research (SCI)**Impact Factor =6.4****August 2021.203(1)****,111839**[https://doi.org/10.1016/j.envres.2](https://doi.org/10.1016/j.envres.2021.111839) [021.111839](https://doi.org/10.1016/j.envres.2021.111839) |
| 13. | Lilium philadelphicum Flower as a Novel Source of Antimicrobial Agents: A Study of Bioactivity, Phytochemical Analysis, and Partial Identification of Antimicrobial Metabolites | Singh Shefali , Singh Vineeta , Alhazmi Alaa , MishraNath Bhartendu , Haque Shafiul, Sayyed R. Z. and **Sunita****Kumari**  | *Sustainability* (SCI)**2021,** 13, 8471 **IF-3.5**Cites score -3.9 [https://doi.org/10.3390/su131584](https://doi.org/10.3390/su13158471) [71](https://doi.org/10.3390/su13158471) |
| 14 | Golden Sweet Potato as Natural Immunity Booster: A review | Singh Nidhiand **Sunita Kumari \*** | , International Journal of Research in Engineering and Science (IJRES)ISSN (Online): 2320-9364, ISSN (Print): 2320-9356IF – 4.2[www.ijres.org](http://www.ijres.org/) Volume 9 (8)**2021**40-45[http://www.ijres.org/current-](http://www.ijres.org/current-issue.html) [issue.html](http://www.ijres.org/current-issue.html) |
| 15. | Identification and Characterization of Fungal Pathogen causing Leaf Spot in Mulberry Leaves using Scanning Elactron Microscope. | Kumar Harendra, Satya Priya Yuvana, Kumar Mukesh, Elangovan Vadamalai and **Sunita Kumari**\* | World Journal of Pharmaceutical and Medical Research7(10) 2021ISSN 2455-3301**SJIF 5.9** |
| 16 | Survey of Mulberry diseases in different Mulberry Varieties of North Eastern Region of UttarPradesh. | Kumar Harendra , Satya Priya Yuvana, Kumar Mukesh , Elangovan Vadamalai and **Sunita****Kumari** \* | Journal of Plant Disease Sciences.(UGC),Vol 16(1) **2021** :57-62NASS IF – 4.20 |
| **17.** | Morpho-agronomic study of some varieties of Golden sweet potato for their utilization as food and forage | **Sunita Kumari** , Kumar Ravindra , Chaudhary R.C and Chaturvedi R. K. | Tropical Plant Research 8(1): 22–30,**2021**ISSN (online) 2349-1183;Cosmos IF – 5.963ISSN (Print):2349-9265[https://www.tropicalplantresearch](https://www.tropicalplantresearch.com/)[.com/](https://www.tropicalplantresearch.com/) |
| 18. | Physio-chemical changes of Cassia occidentalis under drought stress.175-180 | Srivastava Srishti , Srivastava Malvika and **Sunita Kumari** \* | Medicinal PlantsInternational Journal of Phytomedicines and Related Industries . (UGC) 13 (2): 339-344,IF – 0.136**2021**0975-4261 (print)0975-6892(online) [https://www.indianjournals.com/i](https://www.indianjournals.com/ijor.aspx?target=ijor%3Ampijpri&type=home) [jor.aspx?target=ijor:mpijpri&type](https://www.indianjournals.com/ijor.aspx?target=ijor%3Ampijpri&type=home)[=home](https://www.indianjournals.com/ijor.aspx?target=ijor%3Ampijpri&type=home) |
| 19 | Comparative study of ethno medicinal plants used by the tribals of Bhadradri Kothagudem district of Telangana and Siddharthnagar district of eastern Uttar Pradesh | **Sunita Kumari**\*, Gollamandala Ravi, Yadav Simha Bharath and Seal Tapan | International Journal of Botany Studies.6(1):611-615,**2021**ISSN 2455-541X WEB SCIENCE[http://www.botanyjournals.com/s](http://www.botanyjournals.com/search?keyword=6-1-113) [earch?keyword=6-1-113](http://www.botanyjournals.com/search?keyword=6-1-113) |
| 20 | Secondary Metabolites From Halotolerant Plant GrowthPromoting Rhizobacteria for | **Sunita Kumari** \*, Mishra Isha, Mishra Jitendra, Prakash Jai andArora Kumar Naveen | Frontiers in Microbiology (SCI).11:1- 12**2020** |

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|  | Ameliorating Salinity Stress in Plants |  | eISSN-1664-302X IF- 4.2[https://doi.org/10.3389/fmicb.202](https://doi.org/10.3389/fmicb.2020.567768) [0.567768](https://doi.org/10.3389/fmicb.2020.567768) |
| 21. | Stastically Desined Bioprocess for Enhance Production of Alkaline Protease in Bacillus cereusHP\_RZ17. | Jadhav H.P .,Sayyed Z.R.,Shaikh S.S., Bhamre M.H., **Sunita Kumari**\*and Enshasy El.A.H., | Journal of Scientific & Industrial Research (SCI).79:491-498**2020,****IF- 0.599**ISSN/e ISSN-0022-4456/0975- 1084WEB OF SCIENCE[http://nopr.niscair.res.in/handle/1](http://nopr.niscair.res.in/handle/123456789/54913) [23456789/54913](http://nopr.niscair.res.in/handle/123456789/54913) |
| 22 | Impact of Salinity on Growth and N2- Fixation in *Melilotus indicus*. | **Sunita Kumari.,** Srivastava Malvika & Abbasi P., Murugananandam M | The Journal of Plant Science Research*.* (UGC)35(1)109-119,**2019**ISSN: 0970-2539e-ISSN: 0976-3880[http://dx.doi.org/10.32381/JPSR.](http://dx.doi.org/10.32381/JPSR.2019.35.01.10) [2019.35.01.10](http://dx.doi.org/10.32381/JPSR.2019.35.01.10) |
| 23 | Effect of salinity on biomass,nitrate reductase activity and flavonoid content in Tephrosia purpurea | **Sunita Kumari.,** Srivastava Malvika & Abbasi P | International Journal of Research in Engineering and Bioscience.(OTHER)2(6) 243-249.2014 ISSN 2321-743XIF – 4.819[http://www.ijreb.org/manuscript/I](http://www.ijreb.org/manuscript/IJREB_547da43b6c69e.pdf) [JREB\_547da43b6c69e.pdf](http://www.ijreb.org/manuscript/IJREB_547da43b6c69e.pdf) |
| 24. | Response of Tephrosia purpurea to salinity stress inrelation to germination,carotenoi d content and proline content | Sunita Kumari.,. Srivastava Malvika& Abbasi P., | An International Quarterly Journal of Biology & Life Science . .(OTHER2(1): 276-281,2014ISSN(Online) -2320-4257<http://www.biolifejournal.com/> |
| 25. | Wood rotting fungi collected from certain important tree species present in ramgarh forest,Gorakhpur (U.P) | Sunita Kumari., Abbasi P.& SrivastavaMalvika., | Journal of Indian Botanical Society. .(OTHER92(3&4):150-155,2013 E- ISSN No: 2455-7218IF – 5.935P-ISSN No-0019-4468[https://www.indianjournals.com/i](https://www.indianjournals.com/ijor.aspx?target=ijor%3Ajibs&volume=92&issue=3and4&article=005) [jor.aspx?target=ijor:jibs&volume](https://www.indianjournals.com/ijor.aspx?target=ijor%3Ajibs&volume=92&issue=3and4&article=005)[=92&issue=3and4&article=005](https://www.indianjournals.com/ijor.aspx?target=ijor%3Ajibs&volume=92&issue=3and4&article=005) |
| 26. | Impact of Salinity on Seed Germination in Tephrosia purpurea., | Sunita Kumari., Srivastava Malvika., Chaturvedi R.K.&Abbasi P., | Global Journal of Scientific Researches .(OTHER1(1):14-18,2013 ISNN-2311-732XIF – 0.453[http://www.blue-](http://www.blue-ap.org/j/Global_Journal_of_Scientific_Researches) [ap.org/j/Global\_Journal\_of\_Scien](http://www.blue-ap.org/j/Global_Journal_of_Scientific_Researches) |

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| 27. | A new antibiotic resistant mutant of pleurotus sajorcaju with improved expression of malate dehydrogenase enzyme. | Patel Yashvant.,Naraian Ram.,Sunita kumari.,Abbasi P.,& Singh V.K | International journal of advanced sciences(ijals). 6(1):36-43,2013Issn-2277-758x.2013.(OTHER[http://oaji.net/journal-](http://oaji.net/journal-detail.html?number=1024) [detail.html?number=1024](http://oaji.net/journal-detail.html?number=1024) |
| 28. | A Comparative study of Aeromycospora in different localities of Gorakhpur,U.P | Sunita Kumari.,Gond K.D, SamuelC. O, & Abbasi P., | Indian j.Sci.Res,2(4):51- 55,2011ISSN:0976-2876(Print)ISSN:2250-0138(Online) .(OTHERCosmos IF – 4.864[https://www.indianjournals.com/i](https://www.indianjournals.com/ijor.aspx?target=ijor%3Aijsr1&type=home) [jor.aspx?target=ijor:ijsr1&type=h](https://www.indianjournals.com/ijor.aspx?target=ijor%3Aijsr1&type=home) [ome](https://www.indianjournals.com/ijor.aspx?target=ijor%3Aijsr1&type=home) |
| 29. | Expectorants Extracted from Plants by Local Folklore Ofnorth Eastern Tarai Belt of Gorakhpur Region, U.P. India.147-153 | **Sunita Kumari.,** Abbasi P.& Srivastava Malvika | The Journal of Indian Botanical Society.(UGC).90 (1&2) 2011:147-153Print ISSN : 0019-4468. Online ISSN : 2455-7218Cosmos IF- 5.935[https://www.indianjournals.com/i](https://www.indianjournals.com/ijor.aspx?target=ijor%3Ajibs&volume=92&issue=3and4&article=005) [jor.aspx?target=ijor:jibs&volume](https://www.indianjournals.com/ijor.aspx?target=ijor%3Ajibs&volume=92&issue=3and4&article=005)[=92&issue=3and4&article=005](https://www.indianjournals.com/ijor.aspx?target=ijor%3Ajibs&volume=92&issue=3and4&article=005) |
| 30 | Collection of Local Knowledge of Natural Dye Yielding plants in and around Gorakhpur-U.P.133-140 | Gond K.D., **Sunita Kumari**., SamuelC. O., & Abbasi P., | International Journal of Biological Technology. (ICI)IJBT 2(Special Issue):133-140 ISSN:0976-4313[https://journals.indexcopernicus.c](https://journals.indexcopernicus.com/journal/40089) [om/journal/40089](https://journals.indexcopernicus.com/journal/40089) |
| 31. | Estimation of nitrate reductase and chlorophyll content of some medicinally important leguminous plants. 163 | **Sunita Kumari.,** Srivastava Malvika & Abbasi P., | Journal of Basic and Applied Biology (ICI)163-168ISSN 0973-8207[https://journals.indexcopernicus.c](https://journals.indexcopernicus.com/journal/39329) [om/journal/39329](https://journals.indexcopernicus.com/journal/39329) |
| 32. | Wetland Plant Diversity of Mau,District Uttar Pradesh India. | Gond K.D., Kumar.D, Minz Shweta, **Sunita Kumari**., Samuel C. O., & Abbasi P., | Journal of Basic and Applied Biology (ICI)360-367ISSN 0973-8207[https://journals.indexcopernicus.c](https://journals.indexcopernicus.com/journal/39329) [om/journal/39329](https://journals.indexcopernicus.com/journal/39329) |
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| 33 | Evaluation of Aromatic Rice of India |  Kannaojiya Omisha and Sunita Kumari\* | WORLD JOURNAL OF PHARMACY AND PHARMACEUTICAL SCIENCES Volume 11, Issue 10, 103-113**SJIF IF-7.632** DOI:[10.20959/wjpps202210-22932](http://dx.doi.org/10.20959/wjpps202210-22932) |
| 34 | Colistin Resistance and Management of Drug Resistant Infections | Sharma Juhi.,Sharma Divakar,Singh Amit and Sunita Kumari | Canadian Journal of Infectious Diseases and Medical Microbiology Volume 2022, Article ID 4315030, 1-10 IF-2.5[**https://doi.org/10.1155/2022/4315030**](https://doi.org/10.1155/2022/4315030) |
| 35. | Current Scenario and Future Prospects of Endophytic Microbes: Promising Candidates for Abiotic and Biotic Stress Management for Agricultural and Environmental Sustainability |  Anand Uttpal ., Pal Tarun,Yadav Niraj 2 Singh Vipin Kumar ,Tripathi Vijay, Choudhary Krishna Kumar, Shukla Awadhesh Kumar, **Sunita Kumari** , Kumar Ajay , Bontempi Elza , MaYing , Kolton Max ,Singh Amit Kishore, | Microbial Ecology, Springer<https://doi.org/10.1007/s00248-023-02190-1>2023Impact Factor – 4.192 |
| 36. | 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* |  Yadav K Dhananjay.,Devappa Venkatappa,Kashyap Abhijeet Shankar,Kumar Narendra,Rana V.S,**Sunita Kumari** | *Microorganisms* **2023**, *11*(7), 1790; <https://doi.org/10.3390/microorganisms11071790>**Published: 12 July 2023**(This article belongs to the Special Issue [**Plant-Bacteria Interactions**](https://www.mdpi.com/journal/microorganisms/special_issues/PlantBacteria_Interactions))Impact Factor – 4.5 |
| 37 | Fourier transform infrared spectroscopic characterization of powdery mildew infection in mulberry leaves | Kumar Harendra., Priya Yuvana Satya,Kumar Mukesh,Elangovan Vadamalai and **\*Sunita Kumari** |  **Journal of Biotechnology and Crop Science****Vol.10,No.15,102-110****Impact Factor- 0.3****Published: 27July 2023** |
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**14 Invited Lectures : 19**

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| **Sl.****No.** | **Title of the Lecture/Academic Session** | **Title of Conference/ Seminar etc.** | **Organized by** | **internat ional/ national****/state/u** |
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|  |  |  |  | **y level** |
| 1. | Ethnogynaecological medication by Tharu tribes of Nautanwa block of Maharajganj District of Eastern Uttar Pradesh India | Women Internation Day 6 March 2020 | ICMR –RMRCGKPBRD 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 against COVID-19 on 5th June 2020 | P.K College Department of Botany Contai, WestBengal as Resource | National Webinar |
|  |  |  | Person. |  |
| 3. | Light Reaction | Botany Lecture Series IX held on 9th June 2020 | Society for Research in Biological Science and 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 | Internati onal Webinar |
|  |  |  | Speaker. |  |
| 5. | Biodiversity and traditional uses of medicinal Plants in the gorakhpur region of UttarPradesh. | The Challenges of Biodiversity in India: Problem and solution” on Feb 28th February 2021 | Maharana PratapP.G. College, Jungle dhusar,Gorakhpur. | National |
| 6. | Conservation of Local medicinal Plants:initiative of Aatm nibhar Bharat on 6th March 2021 | NSS Seven Days Special Sivir 06 March 2021 | Maharana Pratap womens P.G College 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,Coimbatore27 january 2021 | National |
| 8. | Vermitechnology for sustainable Agriculture and Organic Waste Management | Resource person in One day National Virtual Webinar | Organized by Department of zoology,M.R.Gover ment Arts College Mannargudi-614001on 30th July 2021 | National |
| 9. | Plants our most precious friends | Resource person in Induction Programme | Organized by Guru Gorakhnath institute ofMedical science (Ayurved College) Mahayogi GorakhnathUniversity Gorakhpur | National |
| 10 | Impact of PGPR in Kalanamak rice under salinity condition. |  Featured Speaker | 7th 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 andEcotourism | Internati onal |
| 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 Physioliogy,Faculty of Basic Sciences SKUAST Jammu,Chatha10 March 2023  | National |
| 15. | Prospective, Challenges and Policy recommendations for higher education in India; NEP | Invited lecture | Recommendations for higher education in India : NEP7 Feburary 2023 | National |
| 16 | Identification of Traditional Plants used by Tharu Community of Balarampur District of UP. | Invited lecture | Integrated Apporaches to Environmental Sustainability and Biodiversity Conservation Organised by Department of Botany,Dr BRR Government Degree College,Jadcherla10 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 University of Agricultural Sciences and Technology (SKUAST-K) Srinagar, J&K., India on June 9-11, 2023. | Internatinal. |
| 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 |
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|  **15. Presented Papers in Conference/Seminar :46** |

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| SL.No. | **Title of the Lecture/Academic Session** | **Title of Conference/ Seminar etc.** | **Organized by** | **Whethe r internat ional/ national****/state/u niversit y 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, 25th & 27th November 2010. | Banaras Hindu University, Varanasi (U.P. | National |
| 2 |  Dye Yeilding Plants Used Traditionally in Gorakhpur Region By Local People. | Climate Change & Biodiversity, 21st& 22nd 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, 16th & 17th 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 21th & 22nd 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 15th&16thNovember 2011, | DBT, D.D.UUniversity Gorakhpur(U.P) | National |
| 6 | Effect of Water Stress On Physiological Parameters Of *Cassia Occidentalis.* | Biodiversity:Changing Pattern and Conservation Strategies 26th&28th November 2011. | Department of Botany Deen Dayal Upadhyay Gorakhpur University,Gorakhpu r(U.P) | National |
| 7 | Wood Decay Fungi and Diseases in Ramgarh Forest Gorakhpur WOOD DECAY FUNGI AND DISEASES IN RAMGARH FOREST GORAKHPURU.PSOME FUNGICOLLECTED FROM CERTAIN TREE SPECIES PRESENT IN RAMGARH FOREST GORAKHPUR U.P. | National Conference on Climate Change, Biodiversity & Conservation, 15th & 16thFebruary 2012. | St. Andrews College, Gorakhpur (U. P.). | National |
| 8 | SOME FUNGI COLLECTED FROM CERTAIN TREE SPECIES PRESENT IN RAMGARH FORESTGORAKHPUR U.P | **International Conference** on Mycology and Plant Pathology Biotechnological approaches February 27th &29th,2012 | Centre of advanced study in botany Banaras hindu university,Varanasi | Internati onal |
| 9 | STUDY OF NITRATE REDUCTASE AND CHLOROPHYL CONTENT OF SOME MEDICINALY IMPORTANTS LEGUMES | National Conference on Vulnerabilities and Adaptations of Fauna and Flora to Rapidly Changing Environment 21nd & 22nd 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**,2nd&4th March 2013 | Deen Dayal Upadhyay Gorakhpur University, Gorakhpur(U.P). | National |
| 12 | EFFECT OF SALINITY ON GROWTH ,NITRATE REDUCTASE ACTIVITY AND FLAVONOID CONTENT IN *MELILOTUS**INDICA* | 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 ANDTEPHROSIA PURPUREA | Drug Discovery, Threatened Medicinal Plants & Strategies for Sustainable use. February 25th&26th September 2013. | St. Andrews College, Gorakhpur (U. P.). | National |
| 14 | ETHNO-BOTANICAL STUDIES ON INDIGENOUS WETLEND PLANTS OF GORAKHPUR AND ADJACENT DISTRICTS OF UTTARPRADESH INDIA | National Conference on Drug Discovery, Threatened Medicinal Plants & Strategies for Sustainable use. February 25th&26th September 2013. | St. Andrews College, Gorakhpur (U. P.). | National |
| 15 | RESPONSE OF SALINITY STRESS ON COMPATIBLESOLUTE AND SECONDARY | **XXXVI All India****Conference of the Indian Botanical Society** on Plant | D.D.U Gorakhpur University,Gorakhpur(U.P). | National |
|  | METABOLITES PRODUCTION IN *TEPHROSIA PURPUREA* | Wealth and Human Welfare. October 18-20,2013 |  |  |
| 16 | ANTIOXIDANT DEFENCE MECHANISM IN *TEPHROSIA PURPUREA* AND *MELILOTUS INDICA* MEDICINALLY IMPORTANT LEGUMESUNDER SALINITY | **International Conference,Harmony-2013** on Harmony with nature in context of ecotechnological interventation and climate change 11-13 November,2013. | Department of Zoology Deen Dayal Upadhyay Gorakhpur University,Gorakhpu r(U.P). | Internati onal |
| 17 | EFFECT OF SALINITY ON ENZYME ACTIVITY AND SOME BIOCHEMICAL PARAMETERS OF WILD LEGUME *MELILOTUS INDICA* | **International Conference on Health, Environment &Industrial Biotechnology(Bio Sangam 2013)** November 21-23, | Motilal Nehru National Institute of Technology Allahabad. | Internati onal |
| 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) 13-15February, 2014 | organised byDepartment of Biotechnology,School of Biological Sciences Dr.Harisingh Gour University (ACentral University), Sagar.M.P.India | Internati onal |
| 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 GorakhpurUniversity Gorakhpur | National |
| 20 | EFFECT OF SALINITY ON BIOMASS NITRATE REDUCTASE ACTIVITY AND FLAVONOID CONTENT IN *TEPHROSIA PURPUREA* | National Conference on Biodiversity and Climate Change, Adaptation-Current Status Trends and Policy Responses, (Sponsored by:SERB-DST & MoES,NewDelhi) 3rd and 4th December 2014. | St. Andrews College, Gorakhpur (U. P.). | National |
| 21 | BACTERIAL CONTAMINATION ON MOBILE PHONES:DISTRIBUTION OF CONTAMINANYS | National Conference on “Challenges of Biological and Environmental Science in 21st Century” 19th & 20 December,2014 | (DST-Sponsored) organized by Dept of Zoology S.V.M.M.P.G.College Gorakhpur (U.P) | National |
|  | THROUGHCOMMUNICATION |  |  |  |
| 22 | EFFECT OF SALT STRESS ON SOME NITROGEN FIXATION PARAMETERS IN *MELILOTUS INDICA* | National Symposium on Emerging Trends and Challenges in Plant Science Research ETCPSR-2015 19-20 February,2015 | Organized at Centre of Advanced Study IN Botany, Banaras Hindu University,Varanasi- 221005. | National |
| 23 | STUDIES ON GROWTH,SECONDARY METABOLITES AND PHOTOSYNTHETIC RESPONSE IN *TEPHROSIA PURPUREA*(L.) UNDER SALINITY | **International Conference on Environment** and Ecology ICEE held on 2nd to 4th March 2015Science City Kolkata | Organised by: Foundation for Science and Environment, Kolkata Scientific & Environmental Research Institute, Kolkata Indian Institue of Ecology and Environment.New Delhi. | Internati onal |
| 24 | PHYTOCHEMICAL IN TEPHROSIA PURPUREA UNDER SALINITY | National Conference on Biotechnology and Human Welfare: NeW Vistas 21-22 March 2015, | Organized by Department of Biotechnology, VBS Purvanchal University, Jaunpur,UP-2222003 | National |
| 25 | Impact of NaCl on Physiological and Biochemical Parameters in *Tephrosia Purpurea* | National Conference on Underutilised Plants, Food Security and Climate Link, January 20-21,2017 | jointly organised by Department of Botany. D.D.U Gorakhpur University Gorakhpur and the Society forUnderutilised Plants for future research. | National |
| 26 | Effect of Salt Stress on Compatible Solute and Phytochemicals in *Melilotus indica* | National Conference on Diversity and Utilization of Tropical Plants(NCDUTP- 2018), 22-23 February Sponsored by UGC | organised by Department of Botany.D.D.U Gorakhpur UniversityGorakhpur | National |
| 27 | Compatible solute and Phytochemical production in *Tephrosia purpurea* under salinity | National Conference on Climate Change, Environmental Pollution and Biodiversity Conservation 24th-25th February,2018 | organized by Clean and GreenEnvironmental Society (CGES) Lucknow and CSIR- National Botanical | National |
|  |  |  | Research Institute(CSIR- NBRI), Lucknow |  |
| 28 | Growth , N2 fixation and Phytochemicals in *Melilotus indica* under salinity | Natioanl Seminar on Plant Viruses and Researches in Plant Sciences, November 01- 02,018 at Birth Centenary of Prof. K.S.Bhargava | Alumni meet of Botany Department (AMBD) Organized by Department of Botany, DDU Gorakhpur University,Gorakhpur 273009 U.P.,INDIA. | National |
| 29 | **Differential responses to salinity stress of *Tephrosia purpurea*** | International Conference on “Advances in Biological and Environmental Research for Human Welfare (ICABERHW 2018) 16th18th November 201 | organized by Dept of Zoology,Deen Dayal Upadhyaya Gorakhpu University,Gorakhpur U.P),India in association wiyh ICAR-National Bureau of Fish Genetic Resources,Lucknow (U.P),and Society of Life Sciences,Satna(M.P.). | Internati onal |
| 30 | Impact of salinity on growth N2-fixation and phytochemicals in *Tephrosia purpurea* | Climate Change,Biodiversity and Sustainable Agriculture (ICCBSA-2018) 13th -16 thDecember,2018 | organised by Assam Agriculutural University,Jorhat& Prof.H.S.Srivastava Foundation ForScience,Lucknow. | Internati onal |
| 31 | Impact of NaCl on antioxidant defence mechanism in medicinally important legume *Tephrosia purpurea* | Emerging Trends in Science 01-02 february,2019 | organised by Department of Botany Maharana Pratap P.G.CollegeJungle Dhusar, Gorakhpur. | National |
| 32 | A comparative study of the prevalence and nature of bacterial present on some mobile phones in the college campus | “Biotecnological Interventions in Agriculture,Health and Industry”(BIAHI-2019), February 23&24,2019. | Organised by Department of Biotechnology, Deen Dayal Upadhyay Gorakhpur University,GorakhpuR | National |
| 33 | Biochemical and phytochemical determination of underutilized legume Sarpunkha (*Tephrosia* | Revisiting Traditions and Culture (RTC 2019): Impacts on Environment ,Ecosystem, Biodiversity and Natural | ICAR-Indian Institute of Soil Water Conservation (ICAR-IISWC),Dehradun, | National |

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|  | *purpurea* L.) under induced**salinity** | Resources held during June 14-15, 2019 | Uttarakhand. |  |
| 34 | Medicinal ethnobotany of Mithaura area of Maharajganj District of Eastern Uttar Pradesh | World Energy Scenario and Indian – Subcontinent : Challenges and Opportunities on 05- 06 october 2019 | organized by Department of Geography Maharana pratap PG college jangal Dhoosar, Gorakhpur on the topic of Medicinal Ethnobotany of Mithaura area of Maharajganj district of eastern UttarPradesh India . | National |
| 35 | Plant growth promoting *Rhizobacteria* against Early Blight Disease of Tomato | Enhancing Farm Income Through Sustainable Plant Health Management on 6 to 8 November, (2019) at ICAR Research Complex for NEH Region Umiam , Meghalaya | organized by Association of Plant Pathologists and ICAR Research Complex for NEH Region. | National |
| 36 | Morphoagronomic description of golden sweet potato accession germ plasm | International Conference on ADVANCES IN SUSTAINABLE AGRICULTUREBioresources, Biotechnology and Bioeconomy on November 29 and 30, (2019) | by Mansarovar Global University.Bhopal | Internati onal |
| 37 | Vaishvik vigyan ki apeksha me sanatan vigyan ki upeksha kyo | Rashtriya Hindi Vigyan lekhak sammelan avam parisamvad ,Hindi vigyan lekhan ke vividh aayaam organised on 11- 12 October2019 | Uttar Pradesh Bhasha sansathaan Lucknow Shakuntala Mishra rashtriya punarvaas vishwavidyalaya Lucknow collaboration with Rashtriya vigyan sanchar avam suchna srote sansthan , New Delhi Indian sciencecommunication society. | National |
| 38 | Study of storage fungal associations and their effect on seed quality of groundnut*Arachis hypogea* in | Indian Phytopathological Society,7th International Conference Phytopathology inAchieving UN Sustainable | organized by ICAR- IARI, New Delhi INDIA. | Internati onal |

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|  | Gorakhpur, UP and adjacent areas. | Development Goals January 16-20,2020 |  |  |
| 39 | Medicinal ethno botany of Nautanwa block of Maharajganj District of Eastern Uttar Pradesh, INDIA | Plant Taxonomy and Ethnobotany 13th-14th February ,2020 Kolkata | organized by Botanical Survey of India ,Ministry of Environment Forest& Climate Change | Internati onal |
| 40 | Impact of rhizobial strain on biomass, flavonoid and biochemical composition of *Tephrosia purpurea* under salinity | Recent Advances in Fungal Diversity, Plant –Microbes Interaction and Disease Management. | Organized by Centre of Advanced Study in Botany Institute of Science , **Banaras Hindu University**, Varanasi - 221005,India RFPIDM-2020 ,OnFebruary 28-29,2020 | National |
| 41 | A Survey evaluation of crop technology used by farmers in kharif crops in kushinagar district of UP. |  Prioritizing Crop Specific Technologies for Sustainable Profitability:The Uttar Pradesh Chapter (RC –PCSTSP-UPC-2022) APRIL-29-30 2022 | Organised by National Education Empowerment and Development Foundation ,Gorakhpur up and SAWBAR,CRD Gorakhpur UP | National |
| 42 | Impact of Bio-organisms on agricultural waste management |  Virtual 6th Asian PGPR National Conference Advances in PGPR technology for Batterment of Agriculture and Environment held virtually fron 3rd -4th September 2021 |  Organised by Department of Microbiology ,Barktullah University Bhopal | National |
| 43 | Impact of PGPR in Kalanamak rice under salinity conditions | 7th Asian PGPR International Conference for sustainable Agriculture Regenerating Agriculture Through Benefical Microbes for Improving Crop Productivity and Safety on 23-26 August in Malaysia | Organised by PGPR in collaboration with University Putra Malaysia | International |
| 44 | EDX and FITR analysis of Vermicompost | 4th International Conference Global Effort on Agriculture ,Forestry,Environment and Food Security | Organised by AETDS in Collaboration with Institute of Forestry,Tribhuvan University Pokhara Campus ,Pokhara Nepal | International |
| 45 | Effect of HT-PGPR Kalanamk rice to amplify plant growth under salinity stress | Two day national conference on Scientific input,Technological advancement and women empowerment for sustainable development | Organized by Indian Science Congress Association in collaboration with Kongunadu Arts and Science College, Coimbatore  | National   |
| 46 |  Potential of *Pseudomonas florescence* DTPF3 in growth and yield augmentation of Golden Sweet Potato( Ipomoea batatas (L.) Lam.) under deought condition. | International Conference on Advances in Plants, Microbes and Agricultural Sciences, 2nd -4th March 2023  | organized byDST (FIST)& UGC-SAP assisted DRS Department of Botany,University of North Bengal. |  International |
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**16.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** | **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** |
| 2 | **2020** | **ON-Line Refresher Course in Botany UGC- HRDC: With Grade A+,Madras University, Chennai-600005** | **07 October to 20 October** |
| **3** | **2020** | **Management Development Programme on E Learning,E Teaching & E Research :Sri Sri University** | **13 August to 17 August** |
| **4.** | 2020 | **FDP** | **13 July to 18 July** |
| **5.** | **2019** | **Orientation course HRDC – with Grade A, DDU Gorakhpur University** | **13 July to 02 Aug, 2019, DDU Gorakhpur University** |
| **6.** | **2018** | **MOOCs, e content development and Open Educational Resources from Under Human Resource Development Centre. U.G.C sponsored short Term course** | **21.09.2018 to 27.09.2018****DDU Gorakhpur University** |
| **7.** | **2016** | **DBT Sponsored One week National Workshop on “Molecular Cytogenetic Techniques in Life Sciences”** | **12thMarch to 18thMarch 2016organised by Department of Botany St. Andrews College, Gorakhpur (U. P.).** |
| **8.** | **2014** | **DBT Sponsored 21 Day Short Term****Training Programme on “Plant Molecular Cytogenetics”** | **27thOctober to 18th November 2014organised by Department of Botany St. Andrews College, Gorakhpur (U. P.).** |

**17.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 13 t 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 MolecularBiology 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

**18.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 2020Organised 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
1. **Organization of Symposium/ Seminar/ Conferences/Quiz**
2. **Organised** National Seminar on Emerging Trends in Science 01-02 february,2019 in Department of Botany Maharana Pratap P.G. College Jungle Dhusar, Gorakhpur .
3. Organized National Seminar on Emerging Trends in Science 01-02 february,2019 in Department of Botany Maharana Pratap P.G. College Jungle Dhusar, Gorakhpur as Co- ordinator.
4. Organized Online National Quiz on “Traditional medicine and COVID-19”, May 25 -29, 2020 in the Department of Botany DDU Gorakhpur University Gorakhpur-273009 U.P. asOrganising Secretary.
5. Organized Online National Quiz on “ Myth and Faith in COVID 19 Situation ” June 01 - 05, 2020 in

N.S.S of Maharana Pratap P.G. College Jungle Dhusar Gorakhpur -273009 U.Pas Organizing Secretary.

1. Organized E-Quiz on June 20-21,2020 in Online Yog Shivir aivam shaikshik karyshala, from 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 as Organizing Secretary.
2. Organized International Webinar on Trends in Sustainability: Regenerative Agriculture in Department of Botany M.P.P.G College Jungle dhusar Gorakhpur, U.P. in collaboration with P.K College Contai West

Bengal on June 26 & 27,2020 as Convenor.

1. Organized 7 days Online Model Training Course on Vermicomposting & Organic Farming, from 30th June to 6th July 2021, Organized by Faculty of Agriculture in Collaboration with UGC-HRDC, DDU Gorakhpur University Gorakhpur U.P, India as Organizing Secretary.

8. Organised National Webinar on Rethinking of economic crop development and crop nutrition in times of modern biology. (One More Step Forward) Towards ATMNIRBHAR BHARAT ON 18th July 2021,Organised by SRBSSociety.

1. **Details of Participation in Universities Activities**
2. **Assistant Proctor,DDU Gorakhpur University,Gorakhpur** from 2018-2019.
3. Assistant Superintendent in M.Sc. Semester exam (Fuculty of Science) from 2018-2019.
4. Assistant Superintendent in Industrial Microbiology Exams of DDU Gorakhpur University,Gorakhpur
5. Worked as member in Admission committee.DDU Gorakhpur University, Gorakhpur
6. Worked as member of **Deen dayal Upadhyay Sodh Peeth** ..DDU Gorakhpur University,Gorakhpur.
7. Worked as member of **SC/ST Grievance Redressal cell**.,DDU Gorakhpur University,Gorakhpur.
8. Worked as member of **Clean Green Campus Committee.,**DDU Gorakhpur University,Gorakhpur.
9. Worked as member of **Padhe Gorakhpur**” abhiyan .DDU Gorakhpur University,

**Gorakhpur.**

1. Worked as member of **Studio and media cell committee**.DDU Gorakhpur University,Gorakhpur 10.Assistant Coordinator,Faculty of Agriculture,DDU Gorakhpur University ,Gorakhpur.

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

 12. Assistant Superintendent in Evaluation 2022 at DDU Gorakhpur University Gorakhpur

 13.Member of BOS in Botany 2022 and Industrial Microbiology

 14. Member of Admission Committee in Plant Biotech and Bioinformatics.(2021-2022)

 15. Member of Departmental Research Committee (DRC) of Botany Department.(2022-2023)

 16.Assistant Center Superintendent in Annual and Semester Examination (2022-2023).

 17.Member of Product Development,Monitoring and Commercialization Committee (2022-2023).

 18. As Programme officer in NSS.

1. **Research Guidance:** Guiding Ph.D. Students in Botany: **03**
2. **Educational Tour/ Excursions:** On 15th November 2020, with B.Sc III rdyear students in Bhutwal Nepal.
3. **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**
4. **Bibliometrics of the publications based on average Citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S. No.** | **Title of the paper** | **Name of the author** | **Title of the journal** | **Year of publication** | **Citation Index** |
| **1** | Response of Tephrosia purpurea to salinity stress in relation to germination,caroten oid content and proline content | SunitaKumari.,. Srivastav a Malvika & Abbasi P., | .An Internationa l Quarterly Journal of Biology & Life Sciences.V ol.2(1):276-281 | **2014** | **09** |
| **2** | A new antibiotic resistant mutant ofpleurotus sajorcaju with improved | PatelYashvant.,Naraian Ram.,Su | International journal ofadvanced sciences(ijals)Vol | **2013** | **05** |
|  | expression of malate dehydrogenase enzyme. | nita kumari., Abbasi P.,&Singh V.K.,(2013 | (6) issue (1) |  |  |
| **3** | Impact of Salinity on Seed Germination in Tephrosia purpurea., | SunitaKumari., Srivastav a Malvika., Chaturve di R.K.& Abbasi P.,(2013). | Global Journal of Scientific Researches Vol.1(1),pp.14- 18 | **2013** | **02** |
| **4** | A Comparative study of Aeromycospora in different localities of Gorakhpur,U.P | SunitaKumari., Gond K.D,SamuelC. O, & Abbasi P.,(2011) | Indian j.Sci.Res,Vol.2(4):51-55, | **2011** | **01** |
| **5** | .Stastically Desined Bioprocess for Enhance Production of Alkaline Protease in Bacillus cereusHP\_RZ17. | Jadhav H.P.,Sayyed Z.R.,Shaikh S.S.,Bhamre M.H.,Sunita Kumari and EnshasyEl.A.H., | Journal of Scientific & Industrial Research Vol.. 79: 491-498 | **2020** | **01** |
| **6** | .Impact of Salinity on Growth and N2- Fixation in *Melilotus indicus*. | **Sunita Kumari.,** Srivastava Malvika & Abbasi P., Muruganan andam M **(2019)** | *The Journal of Plant Science Research* Vol.35(1)109- 119. | **2019** | **01** |

1. **Bibliometrics of the publications based on Scopus/ Web of Science – h-index of the Institution**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S. No.** | **Title of the paper** | **Name of the****author** | **Title of the****journal** | **Year of publication** | **h-index** |
|  |  |  |  |  |  |

**24.e-content**

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| --- | --- | --- | --- | --- | --- | --- |
| **S.****No.** | **e-PG-****Pathshala** | **For CEC****(Under Graduat** | **SWAYA M** | **MOOCs****platform** | **NPTEL/NMEICT/any other Government initiative** | **Institutio n al LMS** |
|  |  |  |  | **Dr Kumari Sunita**[http://ks](http://ksunita.gnomio.com/) [unita.gn](http://ksunita.gnomio.com/) [omio.co](http://ksunita.gnomio.com/) [m](http://ksunita.gnomio.com/)**Gnomio Platfor m (moodle****)****17-09-****2020** |  |  |

**Teaching Experience:**

|  |  |  |
| --- | --- | --- |
| **INSTITUTION** | **Experience** | **Ph.D. / M.Phil. (Give Number)** |
| **Post Held/Pay** | **From** | **To** | **Awarded** | **Under Submission** | **Research in Progress** |
| ST.ANDREWS COLLEGEGORAKHPUR | LECTURER | 19/07/2008 | 20/03/2010 |  |  | 03 |
| DDU GORAKHPUR UNIVERSITYGORAKHPUR | RESEARCH SCHOLOR | 02/07/2013 | 28/02/2014 | Projects :01Invited Lectures : 12Paper presented in conference : 44 |
| D.V.N.P.G COLLEGEGORAKHPUR | ASSISTANT PROFESSOR | 21/10/2014 | 20/09/2015 |
| ANDNNMMKANPUR | ASSISTANTPROFESSOR | 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 |

1. \* [↑](#footnote-ref-1)