

Curriculum Vitae

Dr. Sarad Kumar Mishra

Professor & Head

**Department of Biotechnology
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Residential Address: 26G, Heerapuri Colony, D.D.U. Gorakhpur University, Gorakhpur

Date of Birth : 1st January, 1975

Sex : Male

Nationality : Indian

Languages known : English and Hindi

Marital status : Married

Educational Qualification:

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|-----------|---|
| 2006 | Ph. D. in Biotechnology, D.D.U. Gorakhpur University, Gorakhpur |
| 1998-2000 | M. Phil. course work, Jawaharlal Nehru University, New Delhi, India |
| 1995-1997 | M. Sc. in Biotechnology, University Of Pune, Pune, India. |
| 1992-1995 | B. Sc. (Hons.) with Zoology, Botany & Chemistry. Banaras Hindu University, Varanasi, India. |

Achievements and Awards:

- Vice-chancellor's scholarship during B.Sc., B.H.U, Varanasi (1992-95)
- Received merit scholarship during M.Sc. Biotechnology by Department Of Biotechnology, Govt. Of India. (1995-97).
- Qualified Graduate Aptitude Test of Engineering (GATE), India, 1997.
- Qualified CSIR-UGC National Eligibility Test (NET), India, 1998.

- Received Junior Research Fellowship (JNU-UGC) from 1998-2000.
- Awarded Senior Research Fellowship (JNU-UGC) in 2000.
- Awarded Summer Research Fellowship by Indian Academy Of Science, Bangalore, India, 2005, and worked with Dr. C. Mohan Rao, C.C.M.B., Hyderabad.
- Selected for INSA research fellowship by Indian National Science Academy, India in 2006.
- Honored on Teachers Day by Lion's Club, Rapti, 2010.
- Invited Expert for preparation of Biotechnology Glossary (English to Hindi) by Commission for Scientific Technical Terminology (CSTT), Ministry of HRD, Govt. of India, 2014.
- Awarded best Program Officer in NSS, D.D.U. Gorakhpur University, 2015.
- Received an **Appreciation Letter** (dated, 20th June, 2016) from **Preparative Biochemistry & Biotechnology, Taylor & Francis Group** (2015 Impact Factor: **1.114**) and recognized as **top contributing authors** to the journal.
- Attended the **Research-Based Pedagogy training (RBPT) workshop**, held at Kochi from 11th October to 15th October, 2017, organized by University of Sheffield, Britain and IISER, Pune.
- Attended "Southeast Asia International Joint-Research and Training Program on Low Carbon Green Energy and Environmental Sustainability", held at National Chiao Tung University (NCTU) and National Tsing Hua University (NTHU), Hsinchu, Taiwan, during October 30 – November 11, 2017.

Member of Academic/Scientific bodies/Editorial Board/Review

- Life member, Biotech Research Society of India (BRSI), Trivandrum, India.
- Life member, Indian National Science Congress, Kolkata, India.
- Member Board of Studies/ Science Faculty Board/Academic Council in the university.
- Nominated as member, Special Committee, SLS, JNU, New Delhi for 3 years w.e.f 23.12.2019.

Member : Editorial Board

- Editor: **Archives of Phytopathology and Plant Protection, Taylor & Francis**
- Editor: **Vidyawarta**: An international multilingual research journal

- Editor: **Online Journal of Proteomics**

As reviewer:

- Process Biochemistry
- Archives of Phytopathology and plant protection
- African journal of Biotechnology
- Technology in Cancer Research & Treatment
- Proceedings of the National Academy of Sciences

Teaching Experience: > 19 Years at P.G. level

Research Experience:

- Summer training on “**Cloning and characterization of BamHI and HindIII family repeats in *Brassica spp.*” and “Micropropagation of *Dandrocalamus strictus*’**, 1996, in Tata Energy Research Institute (TERI), New Delhi, India.
- M.Sc. project entitled “**Acinar Cell Culture and Amylase production under different experimental conditions**” 1997, under the guidance of Dr. R.R. Bhonde, **National Center for Cell Science (NCCS), Pune, India.**
- Worked on the topic “**Role of Hyaluronic acid binding protein (HABP1) in apoptosis**” from 1998-2000 under the guidance of Prof. Kasturi Datta, School Of Environmental Sciences, **Jawahar Lal Nehru University (JNU), New Delhi, India.**
- Awarded **Summer Research Fellowship** by **Indian Academy Of Science**, Bangalore, India, 2005, and worked with Dr. C. Mohan Rao, Director, **C.C.M.B., Hyderabad** for two months.

• Techniques Known:

- **Biochemistry:** Extensive training in purification of protein using chromatographic techniques such as affinity chromatography, ion-exchange chromatography, gel filtration chromatography, Hydrophobic exchange chromatography, FPLC, RP-HPLC, SDS-PAGE, non-denaturing PAGE, agarose gel electrophoresis, western blot, ELISA, 2-D gel Electrophoresis of protein, zymography, production of polyclonal antibodies in rabbit.
- **Animal Cell and Tissue Culture:** Animal cell and tissue Culture: Setting up of primary culture, maintenance of cell lines, cryopreservation and revival of cells, cell

encapsulation, cell viability testing, cell cloning, cell synchronization, cell proliferation assays, Macrophage isolation and culture, Cell cytotoxicity assays, transient transfection in different cell lines, immune-histochemistry, flow cytometry, fluorescence microscopy.

- **Molecular Biology:** Isolation of plasmid DNA, genomic DNA and RNA, PCR, Southern blotting.

Research supervised/supervising

- Guided number of students for *M. Sc.* Dissertation: 30
- Guided number of students for *M. Phil.* thesis : 01
- Number of students awarded Ph.D. Degree : 06
- Ph.D. thesis submitted : 01
- Number of students enrolled for *Ph. D.* under my supervision : 04

Supervision of Awarded Doctoral Theses

- **Kumar Shivam:** “*Studies on α -Galactosidases from *Aspergillus* species*” (Awarded in 2009)
- **Sanjeev Kumar Diwakar:** “*Studies on Polyphenol oxidase from different plant sources*” (Awarded in 2011)
- **Ruckminee Mall:** “*Studies on enzyme Peroxidase from different plant sources*” (Awarded in 2014)
- **Gaurav Naik:** “*Studies on secondary metabolites producing *Actinomycetes**” (Awarded in 2015)
- **Swati Shukla:** “*Studies on antibiotic production from bacterial isolates*” (Awarded in 2016”)
- **Satyaprakash Gupta:** “*Association of Genetic polymorphisms....Indian Population*” (Awarded in 2018)
- At present my laboratory is involved in **identifying the novel source for the cost effective production of industrially and clinically important enzymes** having better efficiency with novel properties. In addition, we are also screening ***Actinomycetes* of this area (Gorakhpur & its adjoining area) as source for the production of novel antibiotics. Endophytes** from certain medicinal plants are being isolated and identified for production of **beneficial secondary metabolites**.
- We are also in the process of developing a lab with animal cell and tissue culture facility which would be helpful to screen phytochemicals for anticancer activities

from various medicinal plants of North Eastern Terai Region of Uttar-Pradesh, India as this place is highly rich in biodiversity being situated at the foothills of Himalaya.

- Development of anti-dengue virus drugs through *in-silico* and *invitro/invivo* studies. For this, phytochemicals from plants are being screened for their anti-dengue activity.

Positions Held:

| S.No. | Position | University | Duration |
|-------|---------------------|--|--|
| 1. | Lecturer | Deptt. Of Biotechnology, D.D.U. Gorakhpur University | 19 th Dec 2000 to 9 th June, 2006 |
| 2. | Sr. Lecturer | Deptt. Of Biotechnology, D.D.U. Gorakhpur University | 9 th June, 2006 to 28 th Jan, 2010 |
| 3. | Reader | Deptt. Of Biotechnology, D.D.U. Gorakhpur University | 29 th Jan, 2010 to 28 th 2013 |
| 4. | Associate Professor | Deptt. Of Biotechnology, D.D.U. Gorakhpur University | 29 th Jan 2013 to 28 th Jan 2016 |
| 5. | Professor | Deptt. Of Biotechnology, D.D.U. Gorakhpur University | 29 th January 2016 till now |

Book Chapters:

1. Kumar Shivam, **S.K. Mishra**, C.P.M. Tripathi (**2008**) "Biotechnological application to environmental problems and their management", a chapter published in the book entitled "Environmental Pollution and Toxicology", A.P.H. Publishing Corporation, New Delhi, 21:176-185. (**ISBN:978-81-313-0432-7**)
2. **Sarad Kumar Mishra (2012)** "Biotechnology and sustainable development" a chapter published in the book entitled "Holistic development: A geographical perspective", Radha Publication, New Delhi, 26: 373-380. (**ISBN:978-81-7487-784-0**)
3. **Sarad Kumar Mishra (2012)** "Tribal women and ecological concerns" a chapter published in book entitled "Critical Essays on Literature and Environment", Sarup Book Publishers Pvt. Ltd., New Delhi 16: 159-165. (**ISBN: 978-81-7625-848-7**)
4. Sanjeev Kumar Diwakar, Gaurav Naik, **Sarad Kumar Mishra (2013)** "Polyphenol oxidase enzyme: A review" in "Transdisciplinary Environmental Issues", Lambert Academic Publication, Germany, 2: 39-88. (**ISBN: 978-3-659-35410-6**)
5. **Sarad Kumar Mishra**, Sanjeev Kumar Diwakar, Kumar Shivam (**2014**) "Purification and characterization of a thermostable β -amylase from *Aspergillus foetidus* MTCC-

- 508a novel source” a chapter in book entitled “Microbial Diversity and Biotechnology in food security”, 43:479-488 (**ISBN 978-81-322-1800-5 ISBN 978-81-322-1801-2 (eBook) DOI 10.1007/978-81-322-1801-2 Springer linked**)
6. V.N. Pandey, **Sarad Kumar Mishra**, Abhai K. Srivastava, Nidhi Gupta (**2015**) “Antioxidant Potential of Marine Micro-organisms: A Review a chapter in book entitled “Plants As Source of Natural Antioxidants”, pp 148-155, **ISBN 978-1-78064-266-6 CAB International, Oxfordshire, U.K.**
 7. Pradeep Kumar, Madhu Kamle, **Sarad Kumar Mishra** and Vijai Kumar Gupta (**2016**) “*Trichoderma*: Utilization for Agriculture Management and Biotechnology” chapter in book entitled "Microbial Resources" **CAB International, Oxfordshire, U.K.** (In press)
 8. **Sarad Kumar Mishra**, Surya Kant Tripathi, Swati Shukla, Sarriya Abdullah (**2016**) “Pharmacological Profile of *Carissa carandas* an Ethnomedicinal plant” chapter in book entitled “ Pharmacological Profile of Ethnomedicinal plants” (In press)

Selected List of Publications

- Vivek Dhar Dwivedi, Shiv Bharadwaj, Sumbul Afroj, Nooruddin Khan, Mairaj Ahmed Ansari, Umesh Yadava, Ramesh Chandra Tripathi, Indra Prasad Tripathi, **Sarad Kumar Mishra**, Sang Gu Kang, (**2020**), *Anti-dengue infectivity evaluation of bioflavonoid from Azadirachta indica by dengue virus serine protease inhibition: Journal of Biomolecular Structure and Dynamics*, 1-14, Published online: 09 Mar 2020, ISSN: 07391102, (Francis & Taylor) (**Impact Factor 3.31**)
- Shiv Bharadwaj, Akhilesh Kumar Rao, Vivek Dhar Dwivedi, Sarad Kumar Mishra, Umesh Yadava, (**2020**) *Structure-based screening and validation of bioactive compounds as Zika virus Methyltransferase (MTase) inhibitors through first-principle density functional theory, classical molecular stimulation and QM/MM affinity estimation, Journal of Biomolecular Structure and Dynamics* ISSN: 07391102, (Francis & Taylor) (**Impact Factor 3.31**)- Received 27 Dec 2019, Accepted 20 Mar 2020, Accepted author version posted online: 27 Mar 2020.
- Kaushik, A. C., Kumar, A., Dwivedi, V. D., Bharadwaj, S., Kumar, S., Bharti, K., ... & Mishra, S. K. (2018). Deciphering the Biochemical Pathway and Pharmacokinetic Study of Amyloid β -42 with Superparamagnetic Iron Oxide Nanoparticles (SPIONs) Using Systems Biology Approach. *Molecular neurobiology*, 55(4), 3224-3236. 0893-7648 (print); 1559-1182 (web) **Impact Factor- 4.586**
- Dwivedi, Vivek Dhar, Indra Prasad Tripathi, Aman Chandra Kaushik, Shiv Bharadwaj, and Sarad Kumar Mishra. "Biological Data Analysis Program (BDAP): a multitasking

biological sequence analysis program." *Neural Computing and Applications* 30, no. 5 (2018): 1493-1501. **Impact Factor : 1.49** (Springer)

- wivedi, V. D., Tripathi, I. P., Tripathi, R. C., Bharadwaj, S., & Mishra, S. K. (2017). Genomics, proteomics and evolution of dengue virus. *Briefings in functional genomics*, 16(4), 217-227 (Doi- 10.1093/bfpg/elw040) **Impact Factor : 3.12** (Oxford Publication)
- Satya Prakash Gupta, Ritul Kamal, **Sarad Kumar Mishra**, Maneesh Kumar Singh, Rakesh Shukla and Mahendra Pratap Singh (2015) Association of Polymorphism of Neuronal Nitric Oxide Synthase Gene with Risk to Parkinson's Disease, *Molecular Neurobiology*, 9274. **ISSN : 0893-7648 (Print version), ISSN: 1559-1182 (Electronic version)** DOI: 10.1007/s12035-015-9274-3 (**Impact factor- 5.286**)
- Satya Prakash Gupta & Sharawan Yadav & Naveen Kumar Singhal & Manindra Nath Tiwari, **Sarad Kumar Mishra** & Mahendra Pratap Singh (2014) Does Restraining Nitric Oxide biosynthesis Rescue from Toxins-Induced Parkinsonism and Sporadic Parkinson's Disease?, *Molecular Neurobiology* 49:262–275. **ISSN : 0893-7648 (Print version), ISSN: 1559-1182 (Electronic version), DOI 10.1007/s12035-013-8517-4** (PMID: 23900742 (**Impact factor- 5.286**))
- Ruckminee Mall, Gaurav Naik, Usha Mina and **Sarad Kumar Mishra** (2013) Purification and characterization of a thermostable soluble peroxidase from *Citrus medica* leaf, *Preparative Biochemistry and Biotechnology* 43(2):137-51. (**ISSN: 1532-2297**) (**Impact factor- 0.699**)
- Neha Malviya, Mugdha Srivastava, Sanjeev Kumar Diwakar, **Sarad Kumar Mishra** (2011) Insights to sequence information of polyphenol oxidase enzyme from different source organisms, *Applied Biochemistry and Biotechnology* 165:397–405. (**Impact factor- 1.89**)
- Sanjeev Kumar Diwakar, **Sarad Kumar Mishra** (2011) Purification and biochemical characterization of ionically unbound polyphenol oxidase from *Musa paradisiaca* leaf, *Preparative Biochemistry and Biotechnology* 41:1–14. (**Impact factor- 0.699**)
- Kumar Shivam, **Sarad Kumar Mishra**, (2010) Purification and characterization of thermostable β -galactosidase from *Aspergillus parasiticus* MTCC-2796 having transglycosylation activity, *Process Biochemistry*, 45, 1088–1093. **ISSN: 1359-5113, (Impact factor- 2.614)**

- Kumar Shivam and **Sarad Kumar Mishra (2010)** Response Surface Optimization of the critical medium components for the production of β -Galactosidase from *Aspergillus parasiticus* MTCC-2796, Folia Biologica (Praha), 56, 78-82. **(Impact factor -1.219)**
- Kumar Shivam, Chandra Prakash Mani Tripathi and **Sarad Kumar Mishra (2009)** Culture conditions for the production of β - Galactosidase by *Aspergillus parasiticus* MTCC-2796: a novel source, Electronic Journal of Biotechnology, 12 (4), 1-9. **(Impact factor- 0.98)**

Full List of Publications:

1. **S.K. Mishra** and S.M. Singh (**2004**), Effect of carboplatin on tumor growth and immune response of a tumor bearing host; Journal of Immunology and Immunopathology, (Special Issue) India, 6 (S-1); 81-82.
2. V.K. Morya, **S.K. Mishra** and D. Yadav (**2007**) Genomic DNA Isolation from *Aspergillus* sp. Using Extraction buffer with Different SDS concentrations, Journal for Basic and Applied Mycology, 6 (1&2), 30-33. **ISSN (Print) 2090-7583.**
3. Kumar Shivam, **S.K. Mishra**, C.P.M.Tripathi (**2008**) "Biotechnological application to environmental problems and their management", a chapter published in the book entitled "Environmental Pollution and Toxicology", A.P.H. Publishing Corporation, New Delhi, 21:176-185. **(ISBN:978-81-313-0432-7)**
4. V.K. Morya, S. Nayak, **Sarad Kumar Mishra**, Kamal and D. Yadav (**2009**) Morphological Characteristics and Total Mycelial Protein Profiling of Different Isolates of *Aspergillus*, Journal of Mycology and Plant Pathology, 39 (2), 216-219. **ISSN: 0971-9393**
5. Kumar Shivam, Chandra Prakash Mani Tripathi and **Sarad Kumar Mishra (2009)** Culture conditions for the production of β - Galactosidase by *Aspergillus parasiticus* MTCC-2796: a novel source, Electronic Journal of Biotechnology, 12 (4), 1-9. **ISSN: 0717-3458. (Impact factor- 0.98)**
6. Kumar Shivam and **Sarad Kumar Mishra (2010)** Response Surface Optimization of the critical medium components for the production of β -Galactosidase from

Aspergillus parasiticus MTCC-2796, Folia Biologica (Praha), 56, 78-82. **ISSN 0015-5500 (Impact factor -1.219)**

7. Kumar Shivam, **Sarad Kumar Mishra**, (**2010**) Purification and characterization of thermostable β -galactosidase from *Aspergillus parasiticus* MTCC-2796 having transglycosylation activity, Process Biochemistry, 45, 1088–1093. **ISSN: 1359-5113 (Impact factor- 2.614)**
8. Sanjeev Kumar Diwakar, **Sarad Kumar Mishra** (**2011**) Purification and biochemical characterization of ionically unbound polyphenol oxidase from *Musa paradisiaca* leaf, Preparative Biochemistry and Biotechnology 41:1–14. **ISSN 1082-6068 (Print), 1532-2297 (Online) (Impact factor- 0.699)**
9. Neha Malviya, Mugdha Srivastava, Sanjeev Kumar Diwakar, **Sarad Kumar Mishra** (**2011**) Insights to sequence information of polyphenol oxidase enzyme from different source organisms, Applied Biochemistry and Biotechnology 165:397–405. **ISSN:0273-2289(printversion) ISSN: 1559-0291 (electronic version) Springer (Impact factor- 1.89)**
10. **Sarad Kumar Mishra** (**2012**) “Biotechnology and sustainable development” a chapter published in the book entitled “Holistic development: A geographical perspective”, Radha Publication, New Delhi, 26: 373-380. **(ISBN:978-81-7487-784-0)**
11. Ruckminee Mall, Gaurav Naik, **Sarad Kumar Mishra** (**2012**) A comparative study on peroxidase activity in different plant leaves, International Journal of Current Science and Technology 1: 12-16. **(ISSN 2278-6198)**
12. Vivek Dhar Dwivedi, **Sarad Kumar Mishra** (**2012**) Amino acid sequence analysis of glutamate dehydrogenase from different source organisms, Online J Bioinform., 13(2):184-191. **(ISSN 1443-2250)**
13. Vivek Dhar Dwivedi, **Sarad Kumar Mishra**, Amit Kumar Pandey (October **2012**) Insights to sequence information of Lactoylglutathione Lyase enzyme from different source organisms International Research Journal of Biological Sciences Vol. **1(6)**, 1-6. **(ISSN 2278-3202).**
14. Dwivedi Vivek Dhar, Sharma Tanuj, Shukla Swati, Gaurav Naik and **Mishra Sarad Kumar** (September **2012**) Insilico Drug Designing of Potent Inhibitors for

PDE7B, A Therapeutic Target for Leukemia, Research Journal of Pharmaceutical Sciences, Vol. 1(1) : 10-15. **ISSN : 2319 - 555X.**

15. Dwivedi Vivek Dhar and **Mishra Sarad Kumar** (November **2012**) ORF Investigator: A New ORF finding tool combining Pairwise Global Gene Alignment, Research Journal of Recent Sciences, Vol. 1(11) : 32-35. **ISSN: 2277-2502. (Impact factor- 0.2722)**
16. Dwivedi Vivek Dhar, Pandey Amit and **Mishra Sarad Kumar** (November **2012**) *In-Silico* Identification of New Genes in HIV-1 by ORF Prediction Method, International Research Journal of Biological Sciences Vol. 1(7), 52-54. **ISSN 2278-3202.**
17. Dwivedi Vivek Dhar, Sharma Tanuj, Pandey Amit and **Mishra Sarad Kumar** (November **2012**) Insights to Sequence Information of alpha amylase enzyme from different source organisms, International Journal of Advanced Biotechnology and Bioinformatics: Vol.1, Issue 1, 87-91. **ISSN: 2319 – 9334** (electronic version)
18. Vivek Dhar Dwivedi, Amit Kumar Pandey, **Sarad Kumar Mishra (2012)** Glycosyltransferase sequence informatics from different source organisms, Online Journal of Bioinformatics Volume 13(3):390-398. (**ISSN : 1443-2250**)
19. **Sarad Kumar Mishra (2012)** "Tribal women and ecological concerns" a chapter published in book entitled "Critical Essays on Literature and Environment" Sarup Book Publishers Pvt. Ltd., New Delhi 16: 159-165. (**ISBN: 978-81-7625-848-7**)
20. Sanjeev Kumar Diwakar, Gaurav Naik, **Sarad Kumar Mishra (2013)** "Polyphenol oxidase enzyme: A review" a chapter accepted for publication in "Transdisciplinary Environmental Issues", Lambert Academic Publication, Germany, 2: 39-88. (**ISBN: 978-3-659-35410-6**)
21. Ruckminee Mall, Gaurav Naik, Usha Mina and **Sarad Kumar Mishra (2013)** Purification and characterization of a thermostable soluble peroxidase from Citrus medica leaf, Preparative Biochemistry and Biotechnology 43(2):137-51. (**ISSN: 1532-2297**) (**Impact factor-0.699**)
22. Vivek Dhar Dwivedi, Shikha Arora, Akash Kumar, **Sarad Kumar Mishra (2013)** Computational analysis of xanthine dehydrogenase enzyme from different source organisms, Network Modeling Analysis in Health Informatics and

Bioinformatics 2:185–189 (ISSN: 2192-6662 DOI 10.1007/s13721-013-0029-7) (Springer)

23. Gaurav Naik, Swati Shukla and Sarad Kumar Mishra (2013) Isolation and Characterization of Actinomycetes Isolates for Production of Antimicrobial Compounds, *J. Microbiol. Biotech. Res.*, 3 (5):33-36 (ISSN : 2231 –3168 CODEN (USA) : JMBRB4)
24. Dwivedi Vivek Dhar, Mishra Sarad Kumar (2014 June) In silico analysis of L-asparaginase from different source organisms. *Interdisciplinary Sciences: Computational Life Sciences*; 6 (2): 93-99. ISSN 1867-1462 (print version) DOI: 10.1007/s12539-012-0041-0 PMID : 25172447, (Springer) Impact Factor: 0.672
25. Vivekdhar Dwivedi, Preeti Handa Kakkar, Sarad Kumar Mishra (June 2014) Protein Sequence Based *In-Silico* Characterization Of Bacterial, Fungal And Plant Alpha-Galactosidases, *International Journal of Pharmacy and Integrated Life Sciences* V2-(17) PG(1-13) ISSN: 2320 - 0782 (Impact factor- 1.90)
26. Pradeep Kumar, Madhu Kamle, Sarad Kumar Mishra and Vijai Kumar Gupta (2016) “*Trichoderma*: Utilization for Agriculture Management and Biotechnology” chapter in book entitled "The Handbook of Microbial Resources" pp 29-55, *CAB International, Oxfordshire, U.K.* ISBN: 978-1-78064-521-6
27. Satya Prakash Gupta & Sharawan Yadav & Naveen Kumar Singhal & Manindra Nath Tiwari, Sarad Kumar Mishra & Mahendra Pratap Singh (2014) Does Restraining Nitric Oxide biosynthesis Rescue from Toxins-Induced Parkinsonism and Sporadic Parkinson's Disease?, *Molecular Neurobiology* 49:262–275. e-ISSN: 1559-1182, ISSN : 0893-7648. DOI 10.1007/s12035-013-8517-4 PMID: 23900742 (Springer) Impact Factor: 5.286
28. Sarad Kumar Mishra, Surya Kant Tripathi, Swati Shukla, Sarriya Abdullah (2015) “Pharmacological Profile of *Carissa carandas* an Ethnomedicinal plant” chapter in book entitled “Pharmacological Profile of Ethnomedicinal plants” (In press).
29. V.N. Pandey, Sarad Kumar Mishra, Abhai K. Srivastava, Nidhi Gupta (2015) “Antioxidant Potential of Marine Micro-organisms: A Review a chapter in book entitled “Plants As Source of Natural Antioxidants”, pp 148-155, ISBN 978-1-78064-266-6 *CAB International, Oxfordshire, U.K.*

30. Swati Shukla, Gaurav Naik, **Sarad Kumar Mishra, (June, 2015)** "Potential antimicrobial activity of bacterial endophytes isolated from *Flacourtia jangomas* (Lour.) Raeusch, a less explored medicinal plant" *Journal of Microbiology, Biotechnology and Food Science*, 4 (6): 473-477. **ISSN: 1338-5178, doi: 10.15414/jmbfs.2015.4.6.473-477, (Impact factor: 0.98)**

31. Satya Prakash Gupta, Ritul Kamal, **Sarad Kumar Mishra**, Maneesh Kumar Singh, Rakesh Shukla and Mahendra Pratap Singh **(2015)** Association of Polymorphism of Neuronal Nitric Oxide Synthase Gene with Risk to Parkinson's Disease, *Molecular Neurobiology*, 9274, **ISSN : 0893-7648 (Print version), ISSN: 1559-1182 (Electronic version) DOI: 10.1007/s12035-015-9274-3 (Impact factor-5.286)**

32. Swati Shukla, Gaurav Naik, **Sarad Kumar Mishra (2015)** "Cultural conditions for optimum production of antimicrobial compound from endophytic bacterial strain isolated from *Flacourtia jangomas* (Lour.) Raeusch" *Journal of Microbiology and Biotechnology Research*, 5 (3):45-51. **ISSN : 2231 –3168 CODEN (USA) : JMBRB4**

33. Gaurav Naik, Swati Shukla, Ruckimine Mall, Sarad Kumar Mishra (2015) "Optimization of culture conditions of *Streptomyces zaomyceticus* RC 2073 by shake flask method" *European Journal of Biomedical and Pharmaceutical Sciences*, 2 (4): 620-629. **ISSN : 2349-8870, SJIF Impact Factor-2.062**

34. Vivek Dhar Dwivedi, Indra Prasad Tripathi, **Sarad Kumar Mishra (2016)**. "In Silico Evaluation Of Inhibitory Potential Of Triterpenoids From *Azadirachta Indica* against Therapeutic Target Of Dengue Virus, NS2B-NS3 Protease". *Journal Of Vector Borne Diseases*, 2: 1-7 **ISSN: 09729062 (Impact factor : 0.81)**

35. Vivek Dhar Dwivedi, Indra Prasad Tripathi, Shiv Bharadwaj, Aman Chandra Kaushik, **Sarad Kumar Mishra (2016)** "Identification of new potent inhibitors of dengue virus NS3 protease from traditional Chinese medicinal database". *Virus Disease*, **ISSN: 2347-3584 (Print), 2347-3517 (Online) Impact Factor : 0.364**

36. Vivek Dhar Dwivedi, Shiv Bharadwaj, Aman Chandra Kaushik, Sarad Kumar Mishra (2016). 3D Structure Modeling of Catalase Enzyme from *Aspergillus Fumigatus*. *Open Journal of Proteomics*, 1(1): 008-012.

37. Dwivedi, V. D., Tripathi, I. P., Tripathi, R. C., Bharadwaj, S., & Mishra, S. K. (2017). Genomics, proteomics and evolution of dengue virus. *Briefings in functional genomics*, 16(4), 217-227 (Doi- 10.1093/bfpg/elw040) **Impact Factor : 3.12 (Oxford Publication)**

38. Dwivedi, Vivek Dhar, Indra Prasad Tripathi, Aman Chandra Kaushik, Shiv Bharadwaj, and Sarad Kumar Mishra. "Biological Data Analysis Program (BDAP): a multitasking biological sequence analysis program." *Neural Computing and Applications* 30, no. 5 (2018): 1493-1501. **Impact Factor : 1.49 (Springer)**
39. Kaushik, A. C., Kumar, A., Dwivedi, V. D., Bharadwaj, S., Kumar, S., Bharti, K., ... & Mishra, S. K. (2018). Deciphering the Biochemical Pathway and Pharmacokinetic Study of Amyloid β -42 with Superparamagnetic Iron Oxide Nanoparticles (SPIONs) Using Systems Biology Approach. *Molecular neurobiology*, 55(4), 3224-3236. 0893-7648 (print); 1559-1182 (web)
40. Dwivedi, Vivek Dhar, Dwivedi Arpita, Mishra Manas, Yadava Umesh, Mishra Sarad Kumar "Co-chaperon p23 inhibitors: Identification of anticancer compounds from traditional Chinese medicine database." *Gene Reports* 10 (2018): 135-140. (Elsevier) ISSN: 23524065, I. F. 0.61
41. Vivek Dhar Dwivedi, Indra Prasad Tripathi, Ramesh Chandra Tripathi, Ravindra Singh, Umesh Yadava, Sarad Kumar Mishra, In silico docking of quercetin-3-O- β -D-glucoside from *Azadirachta indica* with NS2B-NS3 protease in Dengue virus, *Online Journal of Bioinformatics*, 19,(2018),175-180. ISSN: 1443-2250.
42. Kaushik, A. C., Pal, A., Kumar, A., Dwivedi, V. D., Bharadwaj, S., Pandey, A., ... & Sahi, S. (2017). Internal transcribed spacer sequence database of plant fungal pathogens: PFP-ITSS database. *Informatics in Medicine Unlocked*, 7, 34-38. <http://dx.doi.org/10.1016/j.imu.2017.02.006> (Elsevier) ISSN: 2352-9148
43. Saria Abdullah and Sarad Kumar Mishra, (2018) Isolation and screening of endophytic fungi for the production of L-Asparaginase enzyme, *European Journal of Biomedical and Pharmaceutical sciences*, Vol 5, 5, 448-452 ISSN: 2349-8870
44. Saria Abdullah and Sarad Kumar Mishra, (2019) Endophytic Microbes: As A Source of Antibiotics and Anticancer Agents, *Remarking an Analisation*, 19/RM Jan/9535/ 2019, P-ISSN: 2394-0344, E-ISSN: 2455-0817 (Accepted)
45. Vivek Dhar Dwivedi, Shiv Bharadwaj, Sumbul Afroj, Nooruddin Khan, Mairaj Ahmed Ansari, Umesh Yadava, Ramesh Chandra Tripathi, Indra Prasad Tripathi, **Sarad Kumar Mishra**, Sang Gu Kang, (2020), *Anti-dengue infectivity evaluation of bioflavonoid from Azadirachta indica by dengue virus serine protease inhibition: Journal of Biomolecular Structure and Dynamics*, 1-14, Published online: 09 Mar 2020, ISSN: 07391102, (Francis & Taylor) (**Impact Factor 3.31**)

46. Shiv Bharadwaj, Akhilesh Kumar Rao, Vivek Dhar Dwivedi, Sarad Kumar Mishra, Umesh Yadava, (2020) *Structure-based screening and validation of bioactive compounds as Zika virus Methyltransferase (MTase) inhibitors through first-principle density functional theory, classical molecular stimulation and QM/MM affinity estimation*, **Journal of Biomolecular Structure and Dynamics** ISSN: 07391102, (Francis & Taylor) (**Impact Factor 3.31**)- Received 27 Dec 2019, Accepted 20 Mar 2020, Accepted author version posted online: 27 Mar 2020.

47. A. Ojha, S. Shekhar, S. K. Mishra (2020), An epidemiological survey in cancer hospital setup of Eastern Uttar Pradesh Region, India: A cross sectional study, **Human Biology Review**, 9(2), 166-182, ISSN 22774424

Invited/Keynote Lectures:

- Delivered invited lecture on the topic entitled “Plant Proteinase inhibitors: Present status and future perspectives.” at National sensitization programme on biotechnology: Gorakhpur **2005**.
- Delivered invited lecture on Management of Environmental using Biotechnological approach in UGC sponsored Refresher Course, Department of Botany, D.D.U. Gorakhpur University, **2007**.
- Delivered an invited talk in ‘National Conference on Current Concepts & Frontier Advances in Science Educational Research’ T.D. P.G. College, Jaunpur, **March 5-6, 2011**
- Delivered invited expert lecture in National Seminar on ‘Forest- Nature at your service’ organized at M.S. College, Motihari, **March 12-13, 2012**.
- Delivered invited lecture in 88th Orientation Programme held at Academic Staff College, D.D.U. Gorakhpur University, **14-09-2012**.
- Delivered invited lecture in **Orientation Course** for the Program Officers of National Service Scheme organized by the Gorakhpur Empanelled Training Institute, Gorakhpur under the auspices of Ministry of Youth Affairs and Sports, Govt. of India on **20th October, 2013**.

- Delivered an invited lecture on “Endophytes: Emerging source of bioactive compounds” at International conference on “Future Prospects of Advancements in Biological Sciences, Health Issues & Environmental Protection (FAB-HEP 2014)” jointly organized by Division of Biotechnology Cyto Gene Research & Development, Lucknow and Society of Biosciences, Health Issues & Environmental Protection, Lucknow, **07-08 February 2014.**
- Delivered an invited lecture on the topic “Recent Advances in Biotechnology” in orientation program held at Academic Staff College, D.D.U. Gorakhpur University on **24th December, 2014.**
- Delivered an invited lecture on the topic “Achievements in Biotechnology” in 93rd orientation program held at Academic Staff College, D.D.U. Gorakhpur University, **2014.**
- Delivered an invited lecture on the topic “Biotechnology for human welfare” in orientation program held at Academic Staff College, D.D.U. Gorakhpur University on **6th September, 2014.**
- Delivered invited lecture in the regional training workshop of resource persons for national children’s science academy at D.D.U. Gorakhpur University on **26.08.2014**
- Delivered an invited expert lecture on the topic “Biotechnology for food, medicine and environment” at U.P. College under DBT STAR program, Varanasi on **13 Feb, 2015.**
- Delivered invited lecture on the topic “Industrial applications of Biotechnology” at Department of Allied Sciences, M.M.T.U., Gorakhpur on 8th July, 2016.
- Delivered Lead lecture on the topic “Therapeutic applications of *Azadirachta indica* (Neem), in a National Seminar organized at M.M.M.P.G. College, Bhatpar Rani, Deoria, U.P. on 25th October, 2016.
- Delivered invited special lecture on the topic “Role of Biotechnology in health and food” in a national workshop, organized by HBSEC, TIFR, Mumbai at Vigyan Parishad, Allahabad, 12-14 Nov, 2016.
- Delivered invited lecture on the topic “How to give a good presentation” at Human Resource Centre, D.D.U. Gorakhpur University on 25th November, 2016.
- Delivered invited lecture on the topic “*Azadirachta indica*: a miracle drug” at Human Resource Centre, D.D.U. Gorakhpur University on 17th January, 2017.

- Delivered invited talk on the topic “Antiviral potential of *Azadirachta indica*” in the national seminar, held at Botany Department, Marwar Degree College, Gorakhpur on 19th February, 2017.
- Delivered talk as keynote speaker on the topic “ Genomics, Proteomics and Bioinformatics in human health” in a national workshop held at AKS University, Satna, M.P. on 20th March, 2017.
- Invited as Chief guest and delivered lead lecture on “Climate change: present status and challenges” in a National Seminar on “Environmental Facets of Champaran Satyagrah” held at Munshi Singh PG College, Motihari, Champaran, Bihar on **June 5-6, 2017**.
- Chief guest at the valedictory session of National Seminar on “ Plants- Our Life: A Medico-Botanical View” held at Botany Department, **Marwar Degree College, Gorakhpur on 9-10th March, 2017**.
- Chaired a session in the national seminar “Challenges of Environmental problems in 21st Century”, held at Zoology Department, **Marwar Degree College, Gorakhpur on 26-27th March, 2017**.
- Delivered talk in a National Seminar on “Biodiversity conservation through biotechnology” in the proceedings of National Symposium on “Use of scientific & technical terminologies in sustainable environment development, its challenges, computational analysis and opportunities” held on **14-16 March, 2019** at Gargi College, Siri Fort Road, Delhi 110049.
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- Invited talk in the National Webinar “Leveraging Science and Technology to Combat COVID-19” on the topic “Treatment of Covid-19: Challenges and Opportunities” held by Faculty of Science, DDU Gorakhpur University on **23-24, May 2020**.
- Invited talk in National E-Seminar on “Covid-19 Pandemic: Opportunities and Challenges” on the topic “Challenges in Effective Treatment of Covid-19” held by Department of Microbiology and Institute of Engineering and Technology, Dr. Ram Manohar Lohia Avadh University, Ayodhya on **19-20, May, 2020**.

Participation in different symposia /seminars /conferences through paper presentation:

1. **S.K. Mishra & S.M. Singh** , “Effect of carboplatin on tumor growth and immune response of a tumor bearing host”, at Third Convection of Society for Immunology and Immunopathology & National Symposium on Cytokines and Signal transduction, at JALMA, Agra **February, 13-14, 2004.**
2. V. Kashyap, P.K.Yadav, V.K.Morya, **S.K. Mishra & Dinesh Yadav** (2005), “**Plant tissue culture of *Flacourtia jangomas* (Lour.) Raeusch, an endangered plant**”, during National Sensitization Programme on Biotechnology on **6th March 2005**, Small Industries Service Institute, Ministry of Small Scale Industries, Govt. of India, Allahabad.
3. V.Kashyap, **S.K. Mishra & D. Yadav** (2005), “**Multiple shoot induction and plant regeneration using different explants from *in-vitro* grown pigeonpea (*Cajanas cajan*)**” during National Seminar on Integrated Crops and Environment Management: Trends and Perspective in Developing areas on **15-17 Oct. 2005** at Department of Botany & Biotechnology, SMM Town P.G.College, Ballia, U.P.
4. V. K. Morya, G. Zafar, S. Pandey, S. Dubey, D. yadav and **Sarad Kumar Mishra** “**Plant Proteinase inhibitors: Present staus and future perspectives.**” at National sensitization programme on biotechnology: Gorakhpur **2005.**
5. V. K. Morya, **S.K. Mishra** and D. Yadav “**Protein and DNA Profiling of *Aspergillus* isolates for diversity studies**” at National Seminar on Biological Chemistry: Advancing Frontiers at Gorakhpur **2005.**
6. **S. K. Mishra**, V. K. Morya and D. Yadav “**Characterization of protease inhibitor from *Cassia tora*, a wild legume**” at National Seminar on Biological Chemistry: Advancing Frontiers at Gorakhpur, **2005.**
7. V.K. Morya, S. Nayak, S. Tripathi, S. Singh, N. Malviya, **S.K. Mishra & D Yadav**, “**Biomolecules: Tools for the study of biodiversity**” at National Symposium Advances in material science, held at Department of Physics, D.D.U.Gorakhpur University, Gorakhpur, **2005.**
8. V. K. Morya, **S. K. Mishra** and D. Yadav, “**Isolation and molecular characterization of *Aspergillus* strains from eastern Uttar Pradesh for industrially important enzymes**, at National Conference on “Path to Health –Biotechnology Revolutions in India” organized by Anna University, **November 2005.**
9. V. Kashyap, P.K. Yadav, V. K. Morya, **S. K. Mishra** and Dinesh Yadav “**Plant tissue culture of *Flacourtia jangomas* (Lour.) Raeusch, an endangered plant**” during National

Sensitization Programme on Biotechnology on **6th March 2005**, Small Industries Service Institute, Ministry of Small Scale Industries, Govt. of India, Allahabad.

10. V. K. Morya, **S. K. Mishra** and D. Yadav “**Screening of *Aspergillus* strains from MTCC for amylase production**” at 3rd convention of BRSI & International conference on Exploring Horizons in Biotechnology: a Global Venture, **Nov, 2-4, 2006**.
11. V. K. Morya, **S. K. Mishra** and D. Yadav “**Exploiting *Aspergillus* diversity for production of industrially important enzymes**” National Symposium on Microbial Diversity and Plant Health Problems **December 18-19, 2006**.
12. V. K. Morya, S. K. Tiwari, A. Pandey, M. Rahaman, **S. K. Mishra** & D. Yadav “**Screening of high producing *Aspergilli* for Alkaline, acid and metallo proteases for industrial exploitations**” International symposium on current issue in zoology & Environmental sciences, **11-13 Nov 2006**.
13. S. Nayak, V.K. Morya, D. Yadav & **S.K. Mishra**, “**Screening Of L-Asparaginase from indigenously isolates of *Aspergillus***”, at International symposium on current issue in zoology & Environmental sciences, organized by Department of Zoology and Biotechnology, **11-13 Nov 2006**.
14. K. Shivam, **S.K. Mishra** & C.P.M. Tripathi, “**Biotechnological application to environmental problems and their management**”, at International symposium on current issue in zoology & Environmental sciences, organized by Department of Zoology and Biotechnology, **11-13 Nov 2006**.
15. N. Malviya, **S.K. Mishra** & D. Yadav, “**Molecular Diversity Studies of Cultivated Legumes using SDS-PAGE and RAPD Techniques**” at International symposium on current issue in Zoology & Environmental sciences, organized by Department of Zoology and Biotechnology, **11-13 Nov 2006**.
16. V. K. Morya, M. K. Rai S. Patel, **S. K. Mishra** & D. Yadav “**Comparative study of α and β -amylase from environmental isolates of *Aspergillus***” International symposium on current issue in zoology & Environmental sciences, Department of Zoology and Biotechnology **11-13 Nov 2006**.

17. K. Shivam, **S.K. Mishra** & C.P.M. Tripathi, “**Proteinase Inhibitors And Plant Protection**” at National Symposium On Microbial Diversity & Plant Health Problems, organized by Department Of Botany, D.D.U. Gorakhpur University, **18-19 Dec. 2006.**
18. Abhishek Mishra, K. Shivam & **S.K. Mishra**, “**Transgenic Plants For Crop Improvement**” at **National Symposium** On Microbial Diversity & Plant Health Problems, organized by Department Of Botany, D.D.U. Gorakhpur University **18-19 Dec. 2006.**
19. **Sarad Kumar Mishra**, Kumar Shivam, “Purification and characterization of a thermostable β -amylase from *Aspergillus foetidus* MTCC-508, a novel source”, in **International Conference** on “Emerging Trends in Biotechnology” held at Banaras Hindu University, **December 4-6, 2009.**
20. Sanjeev K Diwakar, **Sarad Kumar Mishra**, “Polyphenol oxidase: a better enzyme for the treatment of aqueous phenols from water”, **National Seminar** on Frontier Areas of Chemical Sciences, St. Andrews College, Gorakhpur, **March 20-21, 2010.**
21. Gaurav Naik, **Sarad Kumar Mishra** “Isolation and Screening of antimicrobial compounds producing Actinomycetes” National Conference on Climatic Change & Biodiversity organized at S.V.M.M. P.G. College, Gorakhpur, **January 21-22, 2011.**
22. **Sarad Kumar Mishra**, Sanjeev Kumar Diwakar, “Polyphenol Oxidase and removal of phenol & derivatives from waste water” **International Conference** on “Recent Advances in Cancer Research: Bench to Bedside” held at School of Life Sciences, Central University of Gujarat, Gandhinagar from **February 19-20, 2011.**
23. **Sarad Kumar Mishra** “Tribal women and ecological concerns” in **National Seminar** on ‘Literature and Environment’ held at Department of English, D.D.U. Gorakhpur University, February 14-15, 2012.
24. **Sarad Kumar Mishra** “*In silico* study on **G. O.** from different source organisms” in **National Seminar-CUM- Workshop** on ‘Cyber Security: Challenges and Opportunities in 21st Century’ organized by Department of Computer Science, D.D.U. Gorakhpur University and National Institute of Electronics & Information Technology, Gorakhpur, **February 19-20, 2012.**
25. **Sarad Kumar Mishra**, Sanjeev Kumar Diwakar, Kumar Shivam “Purification and characterization of a thermostable β -amylase from *Aspergillus foetidus* MTCC-508 a novel source” **International Conference** on ‘Mycology and Plant Pathology:

Biotechnological Approaches' held at Centre for Advanced Study in Botany, Banaras Hindu University, Varanasi, **February 27-29, 2012**.

26. **Sarad Kumar Mishra**, Sanjeev Kumar Diwakar "Use of Enzymes for treatment of industrial effluents" at **National Seminar** on 'Environmental Pollution and its Mitigation Strategies' held at SES, Jawaharlal Nehru University (JNU) during **28-29th March, 2012**.
27. Sarad Kumar Mishra, Swati Shukla "Endophytes: A potential source for therapeutic agents" at 36th All India Annual Conference of the Indian Botanical Society on "Plant wealth and human welfare" held at D.D.U. Gorakhpur University on **October 18-20, 2013**.
28. Sarad Kumar Mishra, Vivek Dhar Dwivedi "Biotechnological implications in biodiversity conservation" in National seminar on "Land use management in perspective of eco-development" held at Department of Geography, D.D.U. Gorakhpur University on **19-20 November, 2015**.
29. Sarad Kumar Mishra, Swati Shukla "Biotechnology for challenges in 21st Century" in National Conference "Challenges of Biological & Environmental Science in 21st Century" held at S.V.M.M. P.G. College, Gorakhpur on **19th & 20th December, 2014**.
30. Sarad Kumar Mishra, Vivek dhar Dwivedi, "Therapeutic potential of *Azadirachta indica* with special reference to Dengue virus" in an International Conference "Frontiers of natural products in research & human health" held at Department of Zoology in collaboration with ISLS on **19st December, 2015**.
31. Sarad Kumar Mishra, Vivek dhar Dwivedi, "Therapeutic potential of *Azadirachta indica* with special reference to Dengue virus" in an International Conference "Frontiers of natural products in research & human health" held at Department of Zoology, DDU Gorakhpur University in collaboration with ISLS on **19st December, 2015**.
32. Sarad Kumar Mishra, Vivek Dhar Dwivedi "Biotechnological implications in biodiversity conservation" in National seminar on "Land use management in perspective of eco-development" held at Department of Geography, D.D.U. Gorakhpur University on **19-20 November, 2015**.
33. Sarad Kumar Mishra "Climate change: present status and challenges" in a National Seminar on "Environmental Facets of Champaran Satyagrah" held at Munshi Singh PG College, Motihari, Champaran, Bihar on **June 5-6, 2017**.
34. Sarad Kumar Mishra "Production, Purification and Characterization of an efficient α -galactosidase from *Aspergillus parasiticus* MTCC-2796" in the Proceedings of National Symposium on Science, Technology and Ecosystem for sustainable Rural Development held by The National Academy of Science, India at MGCG University, M. P. on **6-8 December, 2018**.

35. Sarad Kumar Mishra, "Biodiversity conservation through biotechnology" in the proceedings of National Symposium on "Use of scientific & technical terminologies in sustainable environment development, its challenges, computational analysis and opportunities" held on **14-16 March, 2019** at Gargi College, Siri Fort Road, Delhi 110049.
36. Sarad Kumar Mishra and Anupama Ojha, Status of Arsenic Contamination in Eastern Uttar Pradesh and its Possible Health Complications: a review, International Conference on "Breakthroughs in Toxicology and Human Health" held on **27-29 December, 2019** at Department of Biochemistry, Jiwaji University, Gwalior.
37. Anupama Ojha, Sarad Kumar Mishra, "Role of Biologics therapy and their safety", National Seminar on "Biotechnological Interventions in Agriculture, Health and Industry-2019" held on **23-24 Feb, 2019** at Department of Biotechnology, DDU Gorakhpur University, Gorakhpur.
38. Swati Shukla, Sarad Kumar Mishra, Culture conditions for optimum production of antimicrobial compound from *Bacillus cereus* KP843371 isolated from *Flacourtia jangomas* (Lour.) Raeusch" National Seminar on "Biotechnological Interventions in Agriculture, Health and Industry-2019" held on **23-24 Feb, 2019** at Department of Biotechnology, DDU Gorakhpur University, Gorakhpur.
39. Sonali Jaiswal, Smriti Pathak, Annu Kumari, Tanya Singh, Sarad Kumar Mishra, "Endophytes: A potential factor in plant growth promotion", National Seminar on "Biotechnological Interventions in Agriculture, Health and Industry-2019" held on **23-24 Feb, 2019** at Department of Biotechnology, DDU Gorakhpur University, Gorakhpur.
40. Sonali Jaiswal, Sarad Kumar Mishra, "Diet drugs repress mosquito thirst for blood, Promise for control of transmission of disease" National Seminar on "Biotechnological Interventions in Agriculture, Health and Industry-2019" held on **23-24 Feb, 2019** at Department of Biotechnology, DDU Gorakhpur University, Gorakhpur.
41. Sonali Jaiswal, Pratibha Gautam, Urvashi Dwivedi, Sarad Kumar Mishra, "Analysis of plant growth promoting traits induced by endophytes from *Calotropis procera*" National Conference on Ömics for food, health and environment-2020", "held on **14-15 Feb, 2020**, Department of Biotechnology, DDU Gorakhpur University, Gorakhpur.
42. Anupama Ojha, Saurabh Mishra, Avantika Shukla and Sarad Kumar Mishra, "A Review on Potential role of Oxidative Stress and Oxidative Damage in Carcinogenesis" National Conference on Ömics for food, health and environment-2020", "held on **14-15 Feb, 2020**, Department of Biotechnology, DDU Gorakhpur University, Gorakhpur.
43. Nabila Shamayil, Anupama Ojha and Sarad Kumar Mishra, "Role of Redox imbalance in Cancer and its therapeutic efficacy", National Conference on Ömics for food, health

and environment-2020”, “held on **14-15 Feb, 2020**, Department of Biotechnology, DDU Gorakhpur University, Gorakhpur.

Attended different symposia /seminars /conferences:

1. Attended “Patent Awareness Workshop” jointly organized by Council of Science and Technology (CST), Govt. of India & Technology, Forecasting and Assessment Council(TIFAC), New Delhi on **19th July 2002** at D.D.U. Gorakhpur University, Gorakhpur.
2. Participated in Regional Seminar on ‘Intellectual Property and Innovation Management in Knowledge Era’ organized by the NRDC, New Delhi and D.D.U Gorakhpur University, **21st- 22nd July 2009.**
3. Attended **International Seminar** on Science & Technology in Ancient Indian Texts (STAIT) organized by Special Centre for Sanskrit Studies, JNU, New Delhi and Centre for Indic Studies, University of Massachusetts, USA, **January 09-10, 2010.**
4. Attended a UGC sponsored workshop on the topic entitled “Development of Concepts in Modern Biology” held at SLS, J.N.U., New Delhi from **13th to 16th December 2010.**
5. Attended **National Conference** on ‘Biodiversity: Changing Patterns and Conservation Strategies’ held at Department of Botany, D.D.U. Gorakhpur University, **Nov. 26-28, 2011.**
6. Participated in the national workshop “Sensitization of women scientists” organized by Biozone Research Foundation and Department of Botany, D.D.U. Gorakhpur University, Gorakhpur, on **13th August, 2012.**
7. Participated in 2nd **National Symposium** on BARC Technologies for Development of Rural India (BTDR-2013) organized by Bhabha Atomic Research Centre Officers Association (BARCOA) at D.D.U.Gorakhpur University during **March 12-13, 2013.**
8. Participated in a symposium on “Recent Advances in Biochemistry & Biotechnology: Application in health, environment and agriculture organized by Department of Biochemistry, University of Lucknow, **29-31 October 2013.**
9. Attended a meeting for preparation of Biotechnology Glossary (English to Hindi) organized at R.M.L. Awadh University from **02-05/09/2013** by Commission for Scientific Technical Terminology (CSTT), Ministry of HRD, Govt. of India.

10. Participated in the regional training workshop of resource persons for national children's science congress, U.P. organized by VICAS, Naini, Allahabad at D.D.U. Gorakhpur University, **26.08.2014.**
11. Participated in the seminar on "Role of CST, UP in promotion of science & technology and facilitation of IPR protection" organized by Faculty of Science, D.D.U. Gorakhpur University, **March 15, 2015.**
12. Participated in a national seminar (interdisciplinary) on "Dimensions of Sri Aurobindo's Vision and Perspective" organized by Sri Aurobindo Studies Centre, D.D.U. Gorakhpur University, **March 25-26, 2015.**

Participated/Completed-Workshops/Refresher Courses/Orientation Courses:

44. Attended "**Patent Awareness Workshop**" jointly organized by Council of Science and Technology (CST), Govt. of India & Technology, Forecasting and Assessment Council (TIFAC), New Delhi at D.D.U. Gorakhpur University, Gorakhpur on **19th July 2002.**
45. Participated and successfully completed the **training workshop** on "Biosafety Measures for the monitoring and Unintentional Release of Transgenic Crops" held from **23rd -29th November, 2006.**
46. Attended a UGC sponsored **workshop** on the topic entitled "Development of Concepts in Modern Biology" held at SLS, J.N.U., New Delhi from **13th to 16th December 2010.**
47. Completed U.G.C. sponsored **Orientation Course** from **23-02-2002 to 22-03-2002** at Academic Staff College, D.D.U. Gorakhpur University, Gorakhpur.
48. Completed U.G.C. sponsored **Refresher Course** (1) in the Department of Zoology, D.D.U. Gorakhpur University from **11-03-2004 to 31-03-2004** with '**A**' Grade.
49. Completed U.G.C. sponsored **Refresher Course** (2) in Life Sciences (MD) organized at Department of Botany, D.D.U. Gorakhpur University from **Oct 23-Nov 12, 2009** with '**A**' Grade.
50. Completed U.G.C. sponsored **Refresher Course** (3) in Life Sciences organized at Academic Staff College, Jawaharlal Nehru University (JNU), New Delhi from **4th - 29th January, 2010** with '**A**' Grade.

51. Participated **workshop** on 'Land to Lab: Exploring farmers priorities of research to adapt to climate change' organized by Gorakhpur Environmental Action Group & Department of Botany, D.D.U. Gorakhpur University on **27th February, 2010**.
52. Completed U.G.C. sponsored **Refresher Course** (4) in Environmental Studies organized at Department of Botany, D.D.U. Gorakhpur University from **10th-30th September, 2011** with '**A**' Grade.
53. UGC sponsored **short term course/workshop** in Department of Botany, D.D.U. Gorakhpur University, **01-07, September, 2012** with '**A**' Grade.
54. Participated in DST sponsored **National Workshop** on 'Sensitization of Women Scientists' organized at Department of Botany, D.D.U. Gorakhpur University on **13th August 2012**.
55. Completed U.G.C. sponsored **Refresher Course** (5) in Environmental Science (MD) in the Department of Zoology, D.D.U. Gorakhpur University from **29-09-2012 to 19-10-2012** with '**A**' Grade.
56. Completed **Orientation Course** for the Program Officers of National Service Scheme organized by the Gorakhpur Empanelled Training Institute, Gorakhpur under the auspices of Ministry of Youth Affairs and Sports, Govt. of India from **06-03-13 to 12-03-13**.
57. UGC sponsored **short term course/workshop** on Research Guidance, Quality Research and its Matrices , organized at D.D.U. Gorakhpur University, **24-30, September, 2013** with '**A**' Grade.
58. UGC sponsored **short term course/workshop** on "**Fish, Fisheries & Water Pollution**" in Department of Zoology, D.D.U. Gorakhpur University, **13-19, February, 2014** with '**A**' Grade.
59. Completed U.G.C. sponsored **Refresher Course** (5) in Life Sciences organized at Department of Botany, D.D.U. Gorakhpur University from **06th-26th September, 2014** with '**A**' Grade.

Organized Seminars/Conferences/Symposia:

1. Member of Organizing committee for the seminar on “PCR diagnosis of Tuberculosis” at Department of Biotechnology, D.D.U. Gorakhpur University, Gorakhpur on **6th April 2003**.
2. **Rapporteur & Member** of Organizing Committee in the International Symposium on Current Issues in Zoology & Environmental Sciences held at D.D.U. Gorakhpur University, Gorakhpur on **11-13 November, 2006** organized by Department of Zoology and Biotechnology.
3. **Chairman** of seminar on the topic “Solid Waste Management” held at Domin Garh, Gorakhpur on **18th February 2007**.
4. **Convener** of the Regional Seminar on “Sustainable management of medicinal Plants” held at Department of Biotechnology on **29-30 July, 2006**.
5. **Co-Convener** (Academic Session) **1st Uttar Pradesh Science Congress** held at D.D.U. Gorakhpur University on **March 2nd-4th, 2013**.
6. **Member** Organizing Committee, **87th Annual General Body Meet of Vice-Chancellors of The Association of Indian Universities**, held at D.D.U. Gorakhpur University, **May 3-5, 2013**.
7. **Co-convenor** of Technical session in **36th All India Annual Conference of The Indian Botanical Society** organized on the theme “Plant Wealth and Human Welfare” in D.D.U. Gorakhpur University, Gorakhpur, **October 18-20, 2013**.
8. **Chaired** a session at **International conference** on “Future Prospects of Advancements in Biological Sciences, Health Issues & Environmental Protection (FAB-HEP 2014)” jointly organized by Division of Biotechnology CytoGene Research & Development, Lucknow and Society of Biosciences, Health Issues & Environmental Protection, Lucknow, **07-08 February 2014**.
9. **Chaired** a session in National Conference on “Challenges of Biological & Environmental Science in 21st Century” held at S.V.M.M. P.G. College, Gorakhpur on **19th & 20th December, 2014**.

10. Chaired a session in the National Seminar on “Recent Trends in Microbiology” organized by Department of Industrial Microbiology, DDU Gorakhpur University, Gorakhpur on **15th March, 2014**
11. **Organizing Secretary**, National Seminar on “Biotechnological Interventions in Agriculture, Health & Industry” organized at Department of Biotechnology, DDU Gorakhpur University on February 23-24, 2019.
12. **Convener** of the National Seminar on “Omics for food, health and environment” (OFHE-2020) organized at Department of Biotechnology, DDU Gorakhpur University, Gorakhpur on **February 14-15, 2020**.

Guest Lectures/Popular Lectures Delivered:

- Delivered lectures in P.G. Department of Biotechnology, T.M. University, Bhagalpur.
- Delivered lectures in Department of Biotechnology, M. M. T. D. College, Ballia, U.P.
- Delivered lectures in the Departments of Home Science and Microbiology, D.D.U. Gorakhpur University.
- Delivered AIR talks on the topics- “Kam Hoti Dharati ki Hariyali”, “Pradushan aur iske Dushprabhav” & “Development and challenges of Biotechnology in India”.

Administrative and Other Responsibilities:

- Acted as **Head Of The Department of Biotechnology**, D.D.U.Gorakhpur University from 15th June 2006 to 4th July 2008.
- **Assistant proctor** in 2001, D.D.U.Gorakhpur University.
- **Placement Officer** from 2006-07, D.D.U.Gorakhpur University.
- Elected for the post of Convener in SES, in JNU Student Union election, 2000.
- Member of organizing committee in annual sports meet, D.D.U.Gorakhpur University.
- **Assistant center superintendent** in university annual examinations, 2006, 2011, 2015
- Member Flying squad during university examinations, 2012, 13, 16, 17

- Acted several times as observer in State level B. Ed. Entrance Test.
- Conducted entrance test for several subjects as Center Superintendent.
- Acted as manager of kabbadi team of the university which participated in North Zone Kabbadi tournament at T.M. University, Bhagalpur, 2013.
- Lead academic tour of B.Sc. Industrial Microbiology students to Haridwar & Dehradun, 2012.
- Acting as **Assistant Dean Student Welfare** (ADSW) in the university.
- Acted as **Program Officer** in **NSS** at university centre, D.D.U. Gorakhpur University from 14-12-2012 to 31 March, 2017.
- Member Advisory Committee NSS, D.D.U. Gorakhpur University, 2013.
- Acting as **chairperson** table tennis in Athletics Association, D.D.U. Gorakhpur University, Gorakhpur.
- Member selection committee of several teams for participation in Inter-university tournaments.
- Acting as an External Member of the Committee to address the complaints of harassment of the female working employees of the Sub-Regional Office of EPFO, Ministry of Labour & Employment, Govt. of India, from 10.07.2012.
- Co-ordinator, NSS, DDU Gorakhpur University

(Sarad Kumar Mishra)

