

Curriculum Vitae

Name Dr. Indrani Dubey
Department Zoology
Designation Professor and Head
Address College D.B.S. College, Kanpur-208006, Uttar Pradesh.
s
Mobile No. 9336211743
Email ID Indranidubey31@gmail.com

Educational

Qualifications

Course/Degree	Board/University	Subjects	Year	Division
10 th	ICSE	English, Maths, Science, Social Studies, Hindi, Art	1988	I
12 th	ISC	English, Physics, Chemistry, Biology	1990	I
B. Sc	Lucknow University	Zoology, Botany, Chemistry	1993	I
M. Sc	Lucknow University	Zoology	1995	I
Ph. D	Lucknow University	Topic: Impact of detergent pollution on the ecotoxicological manifestations of a freshwater teleost <i>Heteropneustes fossilis</i> .	2000	Awarded

Research Interests / Specialization

Genotoxicity/Environmental Biology/ Aquatic Toxicology

Research Experience in Years- 22 Yeras

Teaching Experience- 16 Years

Awards Received:

1. **Congress of Zoology Medal**, Awarded by Zoological Society of India at Guwahti, in the year 2008.
2. **Lal Bahadur Shastri Glocal award** for Bio diversity in the field of conservation of Nature and natural resources, awarded by Glocal environment and social association, New Delhi on 22nd May, 2019.

List of Research Papers published :

1. Kumar, M., Trivedi, S.P., **Banerjee, I.**, and Soni, A., (2000). "Influence of anionic surfactant, linear alkyl benzene sulphonate on ovarian phosphatase activity in *Heteropneustesfossilis* (Bloch)." **Him. J. Envi. Zool.**, **14(1); 53-58.**
2. Trivedi, S.P., Kumar, M., Mishra, A., **Banejee, I.**, and Soni, A. (2001). "Impact of linear alkyl benzene sulphonate (LAS) on phosphatase activity in testis of the teleostean fish, *Heteropneustesfossilis* (Bloch)." **J. Environ. Biol.**, **22(4); 263-266.**
3. Trivedi, S.P., Kumar, M., and **Banerjee, I.**, (2002) Linear alkyl benzene sulphonate (LAS) induced xenobiotic anomalies in the activity of LDH and SDH in the muscles of fresh water teleost, *Heteropneustesfossilis* (Bloch). **J. Ecophysiol. Occup. Hlth.**, **2; 205-214.**
4. **Dubey Indrani**, (2016). "Electrolyte Response to sublethal concentration of Potassium Permanganate in the Catfish : *Clarias batrachus*." **SCITECH**, **0974-052X.**
5. **Dubey Indrani**, (2012). "Use of Probiotics in fresh water Aqua Culture." **Golden Research Thoughts**, **2331-5063.**
6. **BS Chandel, Indrani Dubey, Atul Tewari** (2018) Screening of plant extract for insecticidal biopotency against *Collosobruchus chinensis* L. (Coleoptera:Bruchidae) on chickpea, *Cecer aritenum* L. International Journal of Entomology Research ISSN: 2455-4758.
7. **BS Chandel, Indrani Dubey, Amit Prakash Singh** (2018) Preliminary insecticidal bioefficacy of certain naturally occuring ecofriendly botanicals against pulse beetle, *Callosobruchus chinensis* Linn. (Bruchidae) International Journal of Zoology Studies ISSN : 2455-7269.
8. Manoj Kumar, **Dubey Indrani** and Sunil P. Trivedi (2018). Pattern of metal bioaccumulation in water, sediment, plant and animal continuum of Ganga river at Jajmau (Kanpur), India. Global Journal of Bio-sciences and Biotechnology. 7(4) 2018: 664-671: (ISSN 2278-9103).

9. **Dubey Indrani**, Vishwakarma R.K., Singh Prabhakar & Singh Sadhna (2019). Biodiversity and Indian Economy, International Journal of Applied Research. 5(6): 485-487: (2394-5869).
10. Bharti A., **Dubey Indrani** and Chandel BS (2020). "Antifeeding Potentials of Cichorium intybus, Chromolaena odorata, Chrysanthemum cinerariaefolium and Inula racemose Hook against 3rd instars larvae of spotted bollworm, Earias vittella (Fabr.)" **International Journal of Applied Research**, 2394-5869.
11. **Dubey Indrani**, (2020). "Heavy Metal Pollution of River Ganga: A Review". International Journal of Geography, Geology and Environment.(Volume:2 Issue 2): 136-147 (ISSN: 2706:7491) .
12. **Dubey Indrani & Chandel B.S.**, (2020) "Ecofriendly naturally occurring neem derivatives: As an omnipotent source of Bihar hairy caterpillar, Spodoptera litura Fabricius management" 6(9): 505-510 (ISSN 2394-5869).
13. Bharti A., **Dubey Indrani** and Chandel BS (2021). "Phago-repellent biopotency of Cichorium intybus, Inula racemosa, Tagetes minuta and Chrysanthemum cinerariaefolium as herbal alternatives to synthetic insecticides against Earias vittella Fabricius (Lepidoptera: Noctuidae) on Okra in Kanpur region." **International Journal of Fauna and Biological Studies**, 2394-0522.
14. **Dubey Indrani & Sudhakar Prakash** (2021). Climate change, pesticides and biodiversity: a review. International Journal on Biological Sciences 12(1): 63-67 (ISSN 0976-4518).
15. **Dubey Indrani** (2021). Study on the toxic effects of heavy metals in sediments and water of river ganga. International Journal on Biological Sciences 12(2): 89-97 (ISSN 0976-4518).
16. **Dubey Indrani & Chandel B.S.** (2021). Environment Friendly Application Of Medicinal Herb Nirgundi, Vitex Negundo Linn. (Verbenaceae) As Protectant Of Mung Bean, Vigna Radiata Linnaeus Wilczek Management Of Pulse Beetle, Callosobruchus Maculatus Fabricius. International Journal of Fauna and Biological Studies (Volume : 8 Issue 3) 53-60 (ISSN 2394-0522).
17. **Dubey Indrani & Sunita Arya**, (2022). FISH DIVERSITY AND CLIMATE CHANGE: A REVIEW. Iconic Research and Engineering Journals. 5(7): 88-91 : (ISSN 2456-8880).
18. **Chandel B.S. & Dubey Indrani** (2022). Natural Botanical Extractive as Biopotential Antifeeding against Diamondback moth, Plutella xylostella Linnaeus (Lepidoptera: Plutellidae) Journal of Entomology and Zoology Studies. 10(1): 253-258: (ISSN 2320-7078).
19. **Kumar Manoj, Singh Shefalee, Dwivedi Shikha, Trivedi Abha, Dubey Indrani & Trivedi S.P.** (2022). Copper-induced Genotoxicity, Oxidative Stress, and Alteration in Transcriptional Level of Autophagy-associated Genes in Snakehead Fish Channa punctatus Biological Trace Element Research. (ISSN 0163-4984). <https://www.springer.com/journal/12011>.
20. **Kumar Manoj, Singh Shefalee, Dwivedi Shikha, Dubey Indrani & Trivedi S.P.** (2022). Altered transcriptional levels of autophagy-related genes, induced by oxidative stress in fish Channa punctatus exposed to chromium. Fish Physiology and Biochemistry <https://link.springer.com/article/10.1007/s10695-022-01119-8>. (ISSN 1299-1313).
21. **Kumar M , Singh S , Dwivedi S, Trivedi A, Dubey I , Trivedi S.P.** (2023). Acute exposure of Cr and Cu induces oxidative stress , genotoxicity and histopathological alterations in snakehead fish Channa punctatus. Journal of Environmental Biology (ISSN 2394-0379) <http://www.jeb.co.in/>
22. **Singh Shefalee , Dwivedi Shikha , Khan Adeel Admad , Jain Anamika , Dwivedi Shraddha, Yadav Kamlesh Kumar, Dubey Indrani, Trivedi Abha , Trivedi Sunil P and Kumar Manoj** (2024). Oxidative stress, inflammation, and steatosis elucidate the complex dynamics of HgCl₂ induced liver damage in Channa punctate. Nature.com/Scientific Reports (ISSN 1476-4687) <https://www.nature.com/articles/s41598-024-59917-4>
23. **Trivedi SP, Dwivedi Shikha, Singh Shefalee , Khan Adeel Ahmad , Kumar Manoj , Dubey Indrani , Kumar Vivek , Yadav K. Kamlesh** (2024). Dietary Supplementation of Withania somnifera and Asparagus racemosus enhances growth performance coupled with transcriptional modulation of growth and immune responsive genes in fish, Channa punctatus. Aquaculture and Fisheries Elsevier Science Direct (ISSN 0346-251X) <https://www.sciencedirect.com/science/article/pii/S2468550X24000480>.

Book and Book chapters published in edited books: -

1. **Molecular Biology; 2013** (eds. **Sunil P. Trivedi**, Ajay K. Sharma, Monisha Banerjee and Indrani Dubey), **Alfa Publications**, New Delhi-110002; ISBN 978-93-82302-44-5.
2. Risk Assessment and Management of Detergent Pollution", **Indrani Dubey**, Manoj Kumar, Abha Mishra, Mamta Pal and Sunil P. Trivedi. Environmental Toxicology, Eds. Sunil P. Trivedi, Kamal Jaiswal, B.N.Pandey and J.P.Shukla, APH Publishing Corporation, (2009) page 1-15.
3. "Haematological anomalies along with changes in water quality caused by chromium trioxide in a fresh water food fish, Channa punctata" Mamta Pal, Manoj Kumar, IndraniDubey, VidyanandTiwari, Vivek Kumar and **Sunil P. Trivedi**, Fish Biology and Eco Toxicology, Eds. Dilip Kumar, Sunil P. Trivedi, S.Jahageerdar, K.V.Rajendran and B.N.Pandey, Alfa publications. (2012), pages 1-9.

4. **Dubey Indrani**, (2015). "Impact of Pollution from tanneries on the water quality and of biodiversity of river Ganga." **Proceedings of The 42nd Conference on Science and Technology of Thailand (STT41)**, 976-616-91224-5-62015.
5. **Dubey Indrani**, (2016). "Heavy Metal Pollution in Local Fih Fauna : Impact on Consumer Health." **Proceedings of The 42nd Conference on Science and Technology of Thailand (STT42)**, 978-616-91224-7-8 2016.
6. Detrimental Effects of Chromium trioxide (CrO₃) on the Histoanatomy of Liver Cells and Biochemical Parameters in a Fresh Water Food Fish, Channa Punctata. **Mamta Pal, Indrani Dubey, Manoj Kumar, Vidyanand Tiwari, Anubha Shukla & Sunil P. Trivedi** Molecular Biology, Eds Sunil P. Trivedi, Ajay K. Sharma, Monisha Banerjee & Indrani Dubey (2013), Alfa Publication, New Delhi. Pages 92-98.
7. Distribution of Heavy Metals in Water, Sediments and Fish Tissue (Labeo Rohita) in Ganga River of Eastern U.P. India. **Indrani Dubey & Manoj Kumar**. Recent Trends and experimental approaches in science technology and nature. Eds. Sanjeev Verma & Shishir Kumar Gangwar, Oura Prakshan, Lucknow. Pages 306-312.

Member of Societies

1. Life member of Zoological Society of India.
2. Life member Indian Science Congress.
3. Asian Biological Research Foundation.
4. Life Member of Glocal Environment and Social Association.

Paper Presentation in International Conferences & Webinars

1. Participated in **International Webinar in Zoology** on Controlling Mosquito to Protect PublicHealth:- West-Nile ,Zika ,Chikungunya & Dengue Viruses Organized by the **Department of Zoology Pune District Education Association's PROF. RAMKRISHNA MORE** Arts Commerce & Science College, Akurdi, Pune on **11th May, 2020**.
2. International web conference on "**Indian intellectual and cultural traditions in present context**" jointly organized by **Department of Sanskrit & Botany, S.G.N.Govt. P.G.College Muhammadabad Gohna, Mau**, during **16 & 17 May, 2020**.
3. Participated in International webinar on "**Post Covid-19 World and the Pivotal Role of Science and Technology**" organized by Government Raza P.G. College, Rampur held on **May 17, 2020**.
4. Participated in the "**Indo-Egyptian Webposium on Covid reality: Cost of Human Lives and Economy of the World**". Organized By **Chhatrapati Shahu Ji Maharaj University, Kanpur**, dated on **18th May, 2020**.
5. Participated in **Role of foods rich in antioxidants for immunity boosting to fight against the Pandemic COVID19 organized by Internal Quality Assurance Cell (IQAC) DDU Govt. PG College Saidabad, Prayagraj (U.P.), India** on June 5th & 6th, 2020
6. Participated in a three-day International Webinar on "**Social Impact of COVID- 19: Challenges and Prospects**" jointly organized by **Department of Sociology, PPN College, CSJM University and Sangyartham Research Foundation, New Delhi** on July 4,5 & 6, 2020.
7. Participated on "**RECENT TRENDS IN LIFE SCIENCE RESEARCH : CHALLENGES & PROMISES**" organized by **INTERNATIONAL E-CONFERENCE** held on **08th August 2020**.
8. Participated in one day International Webinar on "**National Education Policy-2020 with Reference to Atmnirbhar Bharat**" organized by **Council of Research & Sustainable Development (CRSD), Agra (UP); Govt. Girls College, Morena (MP) & The Green Education, Agra (UP), India** held on **10th August 2020**.

Paper Presentation in National Conferences & Webinars

1. Participated in "**Impact of Pollution due to Tanneries on Ground water**" in the National Seminar on "**Science & Technology for Indigenous Development in India**" held at D.G. (P.G.) College, Kanpur on **28th – 29th January 2016**.
2. Participated in the **National Seminar held at Dayanand Girl's (P.G.) College, Kanpur** organized by **Department of Boatny Dayanand Girl's P.G. College, Kanpur** on **September 20th-21st, 2016**.
3. Attended the National Seminar on "**Ganga Pollution : Analysis & Remedies**" held on **7th – 8th October, 2016** organized by **Department of Chemistry, D.A.V. (P.G.) College, (C.S.J.M. University) Kanpur**.
4. Participated in National Seminar on "**Advances in plant Science Frontier : Development and Environment (APSF-2016)**" on **26th – 27th November, 2016**.
5. Participated in scientific deliberations organized by National Conference on **BIO – DEGRADATION OF WILDLIFE, ENVIRONMENT AND BIODIVERSITY (B-WEB-2017)** on **19th-20th March, 2017**.

6. Participated in National Seminar on **“Food Chemistry, Processed Food & Toxicology”** organized by **Department of Chemistry, D.A.V. (P.G.) College** held on **25th – 26th September, 2019**.
7. Participated in **AKHIL BHARTIYA SEMINAR “Environmental Impact Considering the practice of Dissection ”** organized by **Significance of Environmental Ethics & Human Values in the Conservation of Environment** on **15-16 November 2019**.
8. Participated entitled **“Heavy metals in Fish”** the National Conference on **“Science & Technology : Rural Development”** organized by **The Indian Science Congress Association** from **03rd – 04th December 2019**.
9. Participated in webinar on **DOMESTIC AND INDUSTRIAL SANITIZATION AMIDST PANDEMIC 14th May, 2020** Jointly organized by **National Sugar Institute, Kanpur, & Christ Church College, Kanpur, India**.
10. **Attended one day webinar on BIODIVERSITY CONSERVATION: OUR SOLUTIONS ARE IN NATURE** hosted by **Dayanand Girl's P.G. Collage, Kanpur** on **Friday, 22nd May, 2020**.
11. Participated in the Webinar organized by **Government Arts College, Talaja** on the topic **“Changing Scenario of Higher Education in Corona Crisis”** held on **23rd May, 2020**.
12. Participated in **National Webinar entitled IMPACT OF COVID-19 ON ENVIRONMENT** organised by **Department of Zoology, Paliwal College, Shikohabad** on **May 25th, 2020**.
13. Participated in Two Days National Webinar on **“Biodiversity Conservation and its Management”** organized by **Zoology and Biotechnology Department of Government Girls' P.G. College, Ujjain (M.P.)**, in collaboration with **Zoological Society of India (ZSI)** and **Society of Life Science (SLSc)** on **15th & 16th July 2020**.
14. Participated in National Webinar on **“Environment Around Us”** on the Occasion of **“Hariyali Mohotsav”** Jointly organized by **Zoology & Biotechnology Department and Science Committee of Government Girls' P.G. College, Ujjain (M.P.)** in collaboration with **Forest Department, Ujjain and Roopantaran Samajik Evam Jankalyan Sanstha, Ujjain (M.P.)** on **20th July 2020**.
15. Participated in National Level Webinar on **“AGROFORESTRY SYSTEM IN INDIA”** Organized by **Nature Club of Rajapalayam Rajus' College and Wildlife Association of Rajapalayam (WAR)** on **22nd July, 2020**.
16. Successfully participated in the National Webinar on **“COVID-19, LOCKDOWN & WOMEN”** jointly organized by **IQAC & Women Empowerment Cell of Pt. Deen Dayal Upadhyay Govt. Girls Degree College, Sewapuri, Varanasi, U.P.**
17. Participated in National Webinar on **“Ensuring Certainty in Uncertain Times : The Evolving Role of Leaders”** on **07th August 2020** organized by the **Department by MBA, Gyan Ganga Institute of Technology & Science and Gyan Ganga College of Technology, Jabalpur**.
18. Participated in Webinar on **“Basics of Gardening”** conducted by **Sharad Paliwal, Online Gardening**, Organized by **WDC- KDKCE and WDW-IMA, Nagpur** on **11th & 12th August 2020**.
19. Participated in the National Web Conference on **“Plastic and E-Waste Management: A challenge to Clean Environment”** on **13-14 August, 2020**.
20. Participated in two days National Virtual Conference on **Recent Advances in Analytical Techniques-2020** organized by **Dept. of Chemistry & ADDP Shri Varshney College Aligarh, Dr. B. R. Ambedkar University Agra, Uttar Pradesh, Centre of Bio-Medical Research Lucknow, Uttar Pradesh** in collaboration with **Dept. of Chemistry, R.H. Govt. P.G. College, Kashipur, Uttarakhand, Dept. of Chemistry, H.N.B. Govt. P.G. College, Khatima, Uttarakhand & USERC DST Dehradun, Uttarakhand Govt.** on **August 16-17, 2020 at e-platform**.
21. **Participated in the National Web Conference on “Challenges and Opportunities in Life Science for Self Sustaining Life Security”** on **18th and 19th August 2020**.
22. **Successfully attended the webinar on Disposal of Biomedical Waste** organized by **Department of Chemistry Christ Church College, Kanpur** on **August 26th, 2020**.
23. **Successfully attended the webinar on New National Education Policy : A Paradigm shift in Education** organized by **Indian Thinker's Society, Kanpur** on **August 27th, 2020**.
24. Participated in A National Webinar On **“NEW NATIONAL EDUCATION POLICY : A REVOLUTION IN EDUCATION SYSTEM”** organized by **INTERNAL QUALITY ASSURANCE CELL CHRIST CHURCH COLLEGE, KANPUR** on **September 1st 2020**.
25. Participated in the National Webinar held on the topic **"ONLINE EDUCATION AND ITS AMALGAMATION WITH CLASSROOM EDUCATION IN CONTEXT OF NATIONAL EDUCATION POLICY - 2020"** on **September 3rd, 2020** Organised by **IQAC, Vidya Mandir Mahavidyalaya, Kaimganj, Farrukhabad (U.P.)**
26. Participated in National e-conference on **“National Education Policy 2020: Prospects, Challenges and Pathways in regeance to Teacher Education System in India”** Dated: **04-09-2020**.
27. **Attended One Day National Webinar New Education Policy 2020: Prospects And Challenges** organized by **Kanpur Vidya Mandir Mahila Mahavidyalaya Swaroop Nagar Kanpur** Held on **7th September 2020**.

28. Participated in one day National Webinar on “**New National Education Policy-2020 : Co-ordination to Students for Better Learning Environment**” organized by **Tilak Mahavidyalaya, Auraiya (Uttar Pradesh)** India dated on 11.09.2020.
29. Participated in E-Talk on “**COVID-19 Care**” organized by **Dr. Archana Kothari & Dr. Pankaj Harkut, Consulting Cardiologist, Meditrina Institute of Medical Science, Nagpur** on Dated 15th September, 2020.
30. Successfully attended the National Webinar on **Women and Science** organized by **Christ Church College, Kanpur** in collaboration with **Association of Chemistry Teachers , Northzone and International Union of Pure and Applied Chemistry GWB** on 9th February, 2021.

Workshops

1. Participated as **DELEFATE** in the Workshop on “**Designing of Drugs Against Diseases by Using In – Silico Approches**” at Bioinformatics Infrastructure Facility Centre (DBT) D.G.P.G College, Kanpur on **3-9 September 2016**.
2. Participated in Northern Regional Workshop on **Wetlands Biodiversity : Restoration and Survival** Organised by **Department of Botany D.B.S. College, Kanpur (C.S.J.M. University, Kanpur)** on **17 November, 2016**.
3. Participated in Seven Days workshop on **Quantitative & Qualitative Analysis of Protein and Lipids** held at D.G. (P.G.) College, Kanpur organized **Department of Zoology, Dayanand Girls Post Graduate College, Kanpur** from **25th – 31st October 2017**.
4. Participated in Seven Days Workshop held at Dayanand Girls Post Graduate College, Kanpur organised by **FACULTY OF SCIENCE, DAYANAND GIRLS POST GRADUATE COLLEGE, KANPUR** from 11th-17th October 2018.
5. Participation in ‘**PROJECT PAVITRA**’ a online workshop on **Menstrual Health & Hygiene Awareness** Organized by **WOMEN DEVELOPMENT CELL OF KDKCE, NAGPUR** on 26th July 2020.
6. Successfully attended the “**Workshop on Mental Health in Covid-19**” organized under the aegis of **MUSKURAYEGA INDIA** by N.S.S. Unit of Dayanand Girld P.G. College, Kanpur on **26th, 27th and 28th August, 2020**.
7. Participated in online workshop on “**Success Without Stress**” conducted by **Ms. Parveen Sethi, Business Analyst, Nova Scotia, CANADA**, organized by **KDK College of Engineering , Nagpur** on **31st August 2020**.

Faculty Development Programs Attended

1. Participated in ONE WEEK Faculty Development Programme on “**Corrosion Control in Chemical and Allied Industries**” under TEQIP-II, World Bank Project during **August 22-27 2016**, organized by **CENTRE OF EXCELLENCE** on “**Applied Research, Training and Education in Lipid Science**” at Department of Oil and Paint Technology, H.B.T.I., Kanpur-208002.
2. Participated in the E-Faculty Development Program cum Training Workshop on “**Environment, Water and Disaster Risk Reduction**” held from **13th to 17th July, 2020**. jointly organized by **National Institute of Disaster Management**, Ministry of Home Affairs, Govt. of India and Sharda University NCR, India.
3. Successfully attended the **Career Development Programme on “Career Avenues In Aroma Industry-2020” (CAAI-2020)** organized by **G S R M Memorial PG COLLEGE** held from 8th - 10th August, 2020.
4. Participated in one week Faculty Development Programme on “**Research Article Writing and Online Academic Presentation**” Organised by **Zoology & Biotechnology Department and Internal Quality Assurance Cell (IQAC) In Association with The National Academy of Sciences, India, Bhopal Chapter** from 17th to 23rd August 2020.
5. Successfully completed five days **SKILL DEVELOPMENT PROGRAMME ON ONLINE TOOLS : 2020 ORGANIZED BY SOCIETY FOR RESEARCH IN BIOLOGICAL SCIENCE IN ASSOCIATION WITH GOVERNMENT PG COLLEGE BAZPUR, US NAGAR, UTTARAKHAND & SS COLLEGE, SHAHJAHANPUR,UP** from 27-31 July, 2020.

Quiz

1. **Successfully qualified Covid-19 awareness quiz 2020** organized by **Department of Zoology, Acharya Narendra Dev Nagar Nigam Mahila Mahavidyalaya, Kanpur, Uttar Pradesh** conducted on **12th May, 2020**.
2. Successfully completed **National Level E-Quiz** cum awareness program on “**Environment and Preservation of Nature**” organized by **Feroze Gandhi Institute of Engineering and Technology, Raebareli** held on World Environment Day 05 June, 2020.
3. **Successfully completed ‘NATIONAL LEVEL COVID-19 AWARENESS QUIZ’** organized by **DEPARTMENT of MICROBIOLOGY, Ranveer Rananjay PG College Amethi (UP),** on **03 July, 2020**

4. *Successfully participated and qualified the National Level Online Quiz on “The Cherishable Wisdom of Chemistry” on 21/07/2020.*
5. *Successfully participated and qualified the online Quiz on Chemistry Organized by Department of Chemistry Dayanand Girls’ P.G. College Kanpur.*
6. *Successful completion of “National Level E-Quiz” by the Department of Botany, St, Ann’s College for Women, Malkapura, Visakhapatnam, with a score of 100% on 1-8-2020.*
7. *Successfully participated and obtained 80% in the online “BOTANY QUIZ “APG” FOURTH ” organized by Department OF Botany, SS College Shahjahanpur, UP, India to contribute to Nation on 01/08/2020.*
8. *Successfully completed “SPORTS QUIZ ON COVID-19”, National level E-Quiz organized by the Department of Physical Education, T.B.M.L. College, Porayar, Tamilnadu, India., with a score of 100%. on 8/7/2020.*

Awards

1. Award is presented to her during Global Conference on **Our Biodiversity, Our Food & Our Health** held at **Botanical Survey of India (BSI) – CRC Prayagraj, (U.P.)** India in the presence of National and International dignitaries on **21st & 22nd May, 2019.**

Awareness Talks

1. A short presentation on the precautions that need to be taken to fight SARS-CoV-
2. Uploaded in CSJMU website link to watch given below <https://youtu.be/eOpkIdokhVo>.

Resource Person

1. Participated as **Resource person** and delivered an invited lecture entitled **“Heavy metals in water and sediments : A case study.”** organised by Blue Planet Society, Botanical Survey of India, Govt. P.G. College, International Academy of Science and Research on **30th September and 1st October 2018.**

Presented a paper as poster

1. Presented a paper entitled **“Hazards of Heavy Metal Contamination”** held on **September 20th-21st, 2016.**
2. Presented a Paper entitled **“Toxicity , mechanism and health effects of some Heavy metals”** held on **7th - 8th October, 2016.**
3. Presented poster entitled **“Determination of Different Heavy Metal and trace element..... Ganga River in Jajmau Region”** on **26th -27th November 2016.**
4. Presented Paper poster on topic **“Study of Heavy metal Pollution in Water – Plant and Fish Continuum ”** at Department of Zoology on **19th- 20th March, 2017.**
5. Presented a paper entitled **““Food”, For Thought”** organized by Department of Chemistry, D.A.V. (P.G.) College, (C.S.J.M. University) Kanpur on **25th – 26th September, 2019.**
6. Participated in **“Role Of Sunshine Vitamin In Boosting Immunity (Brief Study)”** as Poster in NATIONAL WEBCON organized by the **CSA University of Agriculture & Technology, Kanpur, during 6-8 May 2020.**