

RESUME



PERSONAL PROFILE:

Name : Dr. Anand Mishra
Father's Name : Shri A. N. Mishra
Date of Birth : 20-03-1986
Gender : Male
Marital Status : Married
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Sitapur Road, Lucknow- 226020 (U.P.) INDIA

AIM'S AND OBJECTIVES

To work in your esteemed Institution, where I can contribute my skills of teaching (Zoology / Life Science) and research by sheer hard work and sincerity.

EDUCATIONAL QUALIFICATION

- Ph.D. in **Zoology** on the topic entitled “**Studies on behaviour, physiology and pathomorphology of *Simocephalus vetulus* with reference to effluents of SIDCUL Integrated Industrial Estate, Haridwar.**” under the joint supervision of **Prof. A. K. Chopra**, Department of Zoology and Environmental Science, Gurukula Kangri University, Haridwar (Uttarakhand) and **Dr. Sanjive Shukla**, Department of Zoology, B.S.N.V.P.G. College, Lucknow, U.P., Awarded on Jan 06, 2018.
- B. Ed. in Ist division from University of Lucknow, Lucknow, in the year 2011.
- M. Sc. in Ist division from University of Lucknow, Lucknow, (Subject- **Zoology**) in the year 2008.

- B. Sc. from University of Lucknow, Lucknow, Subjects-(ZBC) in the year 2006.
- Intermediate from U.P. Board with Science group in the year 2003.
- High School from U.P. Board with Science group in the year 2001.
- **Certificate: “Applications of Remote Sensing & GIS for Natural Resources”**. Indian Institute of Remote Sensing, Indian Space Research Organisation (ISRO), Department of Space, Government of India. 2015

AWARDS AND ACHIEVEMENTS

- **CONGRESS OF ZOOLOGY MEDAL:** This medal is awarded during “33rd All India Congress of Zoology (AICZ)” and National Seminar on “Emerging Trends in Biological Sciences in the light of Environmental Degradation and Life Sustainability” August 10-12, 2022 by the Zoological Society of India (ZSI).
- **CERTIFICATE OF EXCELLENCE** Honorable Jury Mention (Research Category): 6th South Asian Education Awards-21; Presented by Research & Branding Company, Noida, India; www.educationexpo.tv; (24 Jan 2021).
- **INNOVATIVE ZOOLOGIST AWARD**, This medal is awarded during International Web Conference (IWC 2020) on “Safe Water, Sanitation and Hygiene for Health. 09 to 11 November, 2020. Asian Biological Research Foundation (ABRF), Prayagraj, India.
- **BEST PAPER PRESENTATION AWARD**, ESW VII- Annual National Research Conference on February 01 to 02, 2020 at UNESCO Heritage Site Khajuraho, INDIA.
- **YOUNG SCIENTIST AWARD**, This medal is awarded on the occasion of 8th Annual Session of SLS and International Conference on “Recent Advances in Life Sciences for Betterment of Environment and Human Health” from 14th to 15th December, 2019. (Received at Khajuraho (M.P.) INDIA 1st February, 2020.
- **HONORARY FELLOWSHIP (F.S.L.Sc.)** of the Society of Life Sciences. Satna (M.P.) INDIA. January 20, 2020.

MEMBERS OF SCIENTIFIC SOCIETIES

1. **Life member** of Indian Science Congress Association, Kolkata, India.
2. **Life member** of Zoological Society of India (ZSI), Gaya, Bihar, India.
3. **Life member** of Asian Biological Research Foundation (ABRF) Prayagraj, India.
4. **Life member** of Society of Life Science, Satna, Madhya Pradesh, India.
5. **Life member** of Applied and Natural Science Foundation, Haridwar, India.

6. **Life member** of Indian Science Congress Association (ISCA), Haridwar Chapter, Uttarakhand.
7. **Life member** of Vigyan Parishad B.S.N.V.P.G. College, Lucknow, U.P.
8. **Editorial Secretary** of Journal of Applied and Natural Science, Haridwar, India.

TEACHING EXPERIENCE (Eight Years)

- Assistant Professor in the Department of Environmental Science, **Integral University**, Lucknow, (U.P.) INDIA (22th August, 2019 – till date), teaching UG/PG students of Environmental Science, B.Tech., B.B.A., B.Com., B.C.A., B.P.Th., B. Ed. And B.Sc. Agriculture.
- Assistant Professor in the Department of Zoology, D.A.V.P.G. College, Rajendra Nagar, Lucknow, U.P. (2017 to 2019).
- Lecturer in Zoology in B.S.N.V.P.G. College, Charbagh, Lucknow, U.P. (2011 to 2012).
- Lecturer in Zoology in B.S.N.V.P.G. College, Charbagh, Lucknow, U.P. (2008 to 2010).

RESEARCH EXPERIENCE (More Than Eleven Years)

- Worked as a Project Assistance-II in DST funded Project Department of Zoology and Environmental Science Gurukula Kangri Vishwavidyalaya, Haridwar, U.K. (24/12/2012 to 18/06/2015).
- Worked as a Project Fellow in Aquance Inc., Plano USA, Project entitled ‘Design and development of the technology for appropriate electrolysis based waste water treatment system’ from July 2012 to Dec 2012 at ANS foundation, Haridwar.
- Worked as a Project Fellow in UGC Research project Department of Zoology University of Lucknow, Lucknow. “Congeneric & Conspecific interactions among Aphidophagous ladybird beetles & aphid biocontrol” (31 Oct. 2009 to 31 March 2010).

BOOK PUBLISHED: (01)

Title: **ENVIRONMENTAL CHALLENGES AND BIODIVERSITY (Impact, Peril and Conservation)**.

Editors: Dr. Harnam Singh Lodhi, **Dr. Anand Mishra**, Dr. Richa Shukla, Dr. Sanjive Shukla (ISBN: 9788194906179). Abhiram Prakashan, Lucknow.

BOOK CHAPTERS PUBLISHED: (04)

1. **Anand Mishra**, Harnam Singh Lodhi and Sanjive Shukla (2021). Cladocerans: Good Test models of Metallic Pollution in aquatic ecosystem. *Environmental Challenges and Biodiversity (Impact, Peril and Conservation)*.
2. Naseem Ahmad, Iqbal Azad, Mohammad Irfan Azad, **Anand Mishra** and Abdul Rahman Khan (2021). Recent sustainable phytoremediation approaches for heavy metals decontamination. *Environmental Challenges and Biodiversity (Impact, Peril and Conservation)*.
3. Gyanendra Kumar, Uzma Afaq and **Anand Mishra** (2021). “Impact of Changing Climate on Food Security”. *Environmental Challenges and Biodiversity (Impact, Peril and Conservation)*.
4. Richa Shukla, **Anand Mishra** and Rashmi Tripathi (2022). Freshwater Prawn, Aquaculture & Women Empowerment. STRONGER INDIA: An Overview of India’s Development @ 75 and Vision 2045.

RESEARCH PUBLICATIONS: (Published: 14; Communicated: 02)

1. Tushar Arora, **Anand Mishra**, A. K. Chopra, Gagan Matta, Ajendra Kumar, D. R. Khanna and Vinod Kumar (2014). Human health risk assessment of temporal and spatial variations of ground water quality at a densely industrialized commercial complex at Haridwar, India. *Journal of Applied and Natural Science*, 6 (2): 825-843. NASS rating 5.09
2. **Anand Mishra**, Sanjive Shukla and A. K. Chopra (2016). Acute toxicity of copper sulphate and potassium chromate to “tailless freshwater flea”, *Simocephalus vetulus* (Crustacea-Cladocera). *International Journal of Advanced Research*, 4(6): 316-321.
3. **Anand Mishra**, A. K. Chopra and Sanjive Shukla (2016). Physiological responses of heart of tailless fresh water flea *Simocephalus vetulus* (Crustacea-cladocera) under copper sulphate stress. *CIBTech. Journal of Zool.*, 5(3): 52-59.
4. Tushar Arora, **Anand Mishra**, Gagan Matta, A. K. Chopra, Ajendra Kumar, D. R. Khanna and Vinod Kumar (2017). Pollution load assessment and potential environmental risks of composite industrial effluents discharged from SIIDCUL Integrated Industrial Estate, Haridwar (Uttarakhand), India. *Journal of Environmental Biology*, 38(2): 205-216.
5. Sanjive Shukla, Richa Shukla, Sandeep Shukla, Sareef Ahmad and **Anand Mishra** (2017). Effect of temperature on Chromatophores of freshwater prawn, *Macrobrachium lamarrei* (Crustacea-Decapoda), *Anusandhan.*, 5(1): 80-83.
6. **Anand Mishra**, Sanjive Shukla and A. K. Chopra (2018). Effect of heavy metal, copper sulphate and potassium chromate on behaviour of “Tail less water flea” *Simocephalus vetulus* (Crustacea - Cladocera). *Journal of Applied and Natural Science* 10(1): 507-517.

7. Shareef Ahmad, Sandeep Shukla, **Anand Mishra**, Deepak Kasherwani, Veena P. Swami and Sanjive Shukla (2018). Effect of Cadmium Chloride on general body colouration and chromatophores of stinging cat fish, *Heteropneustes fossilis* (Bloch). *Journal of Applied and Natural Science* 10(2): 655-660.
8. Sanjive Shukla, Kunwer Ji Tiwari, Harnam Singh Lodhi, Sandeep Shukla, **Anand Mishra** and U. D. Sharma (2019). Histopathological alterations in gills of freshwater prawn, *Macrobrachium dayanum* (Crustacea - Decapoda) after acute and sub-acute exposure of lead nitrate. *Journal of Applied and Natural Science*, 11(2): 568 – 574.
9. **Anand Mishra**, Sanjive Shukla, A. K. Chopra, Sandeep Shukla and Harnam Singh Lodhi (2020). A report on freshwater tailless flea, *Simocephalus vetulus* from Haridwar, located in foot hills of Shivalik Himalayain Uttarakhand, India. *Journal of Applied and Natural Science*, 12(3):438-441. DOI.org/10.31018/jans.v12i3.2351.
10. **Anand Mishra**, Harnam Singh Lodhi, Sandeep shukla, Sanjive Shukla and **A. K. Chopra** (2020). Effect of SIDCUL industrial estate effluent on morphology and behaviour of tailless fresh water flea *Simocephalus vetulus* (Crustacea-Cladocera). *Int. J. Pharm. Bio. Sci.*, 11 (4):46-54. DOI: 10.22376/ijpbs.2020.11.4.b46-54.
11. **Anand Mishra**, Monowar Alam Khalid and Harnam Singh Lodhi (2020). A review on the importance of butterflies in biodiversity. *Anusandhan*. 8(1): 122-126. D.O.I.: 10.22445/avsp.v8i1.18.
12. Uzma Afaq, **Anand Mishra**, and Gyanendra Kumar (2020). Stress management during the outbreak of 2019 Novel Corona-virus. *Anusandhan*. 8(1): 143-146. D.O.I.: 10.22445/avsp.v8i1.22.
13. Shweta Yadav and **Anand Mishra**. (2022). “Fungal biosorption of heavy metal chromium and nickel from the industrial effluent contaminated soil”. *Journal of Applied and Natural Science*, 14(1), 233 – 239. <https://doi.org/10.31018/jans.v14i1.3297>
14. Kunwer Ji Tiwari, Harnam Singh Lodhi, **Anand Mishra**, Aman Ahmad, Samiksha Lodhi and Sanjive Shukla. (2022). Effect of lead nitrate on hemocyte morphology of freshwater prawn *Macrobrachium dayanum* (Crustacea-Decapoda). *Uttar Pradesh Journal of Zoology*, 43(13): 80-87.
15. Amina Jafri and **Anand Mishra**. A Review on Study on Cyanoremediation of pollutants from aquatic bodies: A Green Approach. (2023- **Communicated**).

EXTRA CURRICULAR ACTIVITIES:

- I- Criteria- VII Coordinator (NAAC) at Departmental Level**
- II- Event coordinator at departmental level**
- III- Dissertation Supervised:**
 1. **Ph. D.** (01- work in progress)
 2. **M. Sc.** (01- work in progress)

3. **B. Sc. (04-completed)**

**SEMINAR/SYMPOSIA/CONFERENCE/WORKSHOP/ATTENDED/PARTICIPATED
(More than 45)**

INTERNATIONAL

1. Paper presented in International conference "Global environment and human existense: changes and challenges"" topic entitled "Effect of metal mixture, on behaviour of "Tailless water flea" *Simocephalus vetulus* (Crustacea - Cladocera)" organized by Research Promotion Committee, Navyug Kanya Mahavidyalaya, Lucknow, U.P. India, From September 07 to 08, 2019.
2. Paper presented in 3rd International Conference "Global Initiative in Agricultural and Applied Sciences for Eco Friendly Environment" topic entitled "Effect of copper sulphate on reproduction of "tailless fresh water flea" *Simocephalus vetulus* (Crustacea-Cladocera)" organized by Agricultural Technology Development Society (ATDS) Ghaziabad, Uttar Pradesh, India. Held at Tribhuvan University, Kathmandu, Nepal From June 16 to 18, 2019.
3. Participated in International Conference on "Faunal Biodiversity and their Conservational Strategies" Organized by Department of Zoology, University of Lucknow, Lucknow. 22-23 March, 2014.
4. Paper presented in International Conference on "Environmental Technology And Development: Challenges & Remedies" topic entitled " Impact of effluent discharge on groundwater quality of SIDCUL Industrial Estate, Haridwar, India" organized by Department of Environment Science, Babasaheb Bhimrao Ambedkar University Lucknow. 21-23 February 2014.

NATIONAL

5. Paper presented in ESW VII Annual National Research Conference on "Climate Change and Global Health Management" topic entitled "Effect of SIDCUL industrial estate effluent on behaviour and morphology of tailless fresh water flea *Simocephalus vetulus* (Crustacea-Cladocera) organized by Environment & Social Welfare Society on February 01 to 02, 2020 at UNESCO Heritage Site Khajuraho, INDIA.
6. Paper presented in 39th Annual Conference "One Health & Ecosystem Services" topic entitled "Effect of metal mixture (copper sulphate and potassium chromate) stress on heart beat rate of tailless fresh water flea *Simocephalus vetulus* (crustacea-cladocera)" organized by The Academy of Environmental Biology & ICAR- National Bureau of Fish Genetic Resources, Lucknow In collaboration with Aquatic Biodiversity Conservation Society (ABCS) India, From November 29 to 30, 2019.
7. Participated in National Seminar on "The Nature and Future of Ecocriticism in India" Organized by Department of English, B.S.N.V.P.G. College, Charbagh, Lucknow. 2nd-3rd February, 2018.

8. Paper presented in the 104th Indian Science Congress in the Section of “Animal, Veterinary and Fishery Sciences” topic entitled “Physiological responses of heart of “tailless fresh water flea” *Simocephalus vetulus* (Crustacea-Cladocera) under potassium chromate stress”. Held at S.V. University, Tirupati From January 3 to 7, 2017.
9. Participated in the 104th Indian Science Congress held at S.V. University, Tirupati From January 3 to 7, 2017.
10. Paper presented in National Symposium on “Biodiversity and Natural Resources for Sustainable Development” topic entitled “Effect of SIDCUL industrial effluents on reproduction of “tailless fresh water flea” *Simocephalus vetulus* (Crustacea-Cladocera)”. Organized by Department of Zoology Chaudhary Charan Singh, University, Meerut-250 004, INDIA. 24 to 26 November, 2017.
11. Paper presented in National seminar on “Ganga Pollution : Analysis & Remedies” topic entitled “Effect of potassium chromate on physiology of reproduction of “ tailless fresh water flea” *Simocephalus vetulus* (Crustacea-cladocera)”. Organized by Department of Chemistry, D.A.V.P.G. College, Kanpur- 208001 (U.P.) India (Sponsored by U.G.C. New Delhi). 7-8 October, 2016.
12. Paper presented in National seminar on “Role of Education in Sustainable Environmental Management and Biodiversity Conservation” topic entitled “Effect of Environmental Pollutants Copper Sulphate on behaviour of fresh water flea, *Simocephalus vetulus*”. Organized by Department of higher Education, Government of Uttar Pradesh, Khwaja Moinuddin Chishti Urdu, Arabi-Farsi University Lucknow. 2-3 February, 2016.
13. Participated in workshop on “Patent & Intellectual Property Rights” Jointly Organized by Uttarakhand State Council of Science & Technology (UCOST) and IPR Cell, Gurukul Kangri Vishwavidyalaya, Haridwar on 7th February, 2015 at FMC, Gurukul Kangri Vishwavidyalaya, Haridwar.
14. Paper presented in National seminar on “Threats To Biodiversity and Ecosystems: Impacts of Developmental projects and Climate change and 25th All India Congress of Zoology” organized by Department of Zoology and Environmental Science, Gurukula Kangri Vishwavidyalaya, Haridwar in collaboration with Zoological Society Of India, Bodh Gaya and Indian Academy of Environmental Sciences, Haridwar during 17-19 November, 2014.
15. Participated in workshop on “Application of Remote Sensing and GIS in water Resource Management” Organized Jointly by Uttarakhand Space Application Centre (USAC) & Uttarakhand Science Education and Research centre (USERC), Dehradun. In Association with: Uttarakhand State council for Science and Technology (UCOST), Dehradun & Doon University, Dehradun. 4-5 June, 2014.
16. National workshop attended on Recent Trends in Atmospheric and Environmental Sciences held at Department of Physics, Gurukula Kangri Vishwavidyalaya, Haridwar (Uttarakhand), 4-5 April, 2014.

17. National workshop attended on Taxonomic keys and identification tools of different groups of flora and fauna sponsored by Uttarakhand state council for science and technology, Dehradun held at Department of Zoology and Environmental Science, Gurukula Kangri Vishwavidyalaya, Haridwar (Uttarakhand), 3-8 March, 2014.
18. Paper presented in National Symposium on “ Innovation in Science & technology for Inclusive Development” topic entitled “Global Effect of soil degradation in Indian Scenario” organized by Haridwar Chapter of The Indian Science Congress Association on February 16, 2014.
19. Paper presented in National seminar on “Economic Upgradation: Environmental Degradation” topic entitled “Impact of industrial effluent on soil pollution of SIDCUL industrial area Haridwar” organized by Omkarananda Institute of Management & Technology, Rishikesh. 24-25 January 2014.
20. Paper presented in National seminar on “Environmental Degradation and Aquaculture” topic entitled “Ground water quality and health effect due to industrialization” organized by Post-Graduate Department of Zoology, B.S.N.V. P.G. College, Lucknow (In collaboration with Applied and Natural Science foundation, Haridwar (U.K.) April 28, 2013.
21. Participated in Seminar on “Organometallic Chemistry” Organized by Special Assistance programme (SAP) (UGC) & Department of Chemistry University of Lucknow, Lucknow. March 31, 2010.
22. Participated in National Symposium on “Modern Approaches to Insect Pest Management” Organized by the Centre of Excellence in biocontrol of Insect Pests, Department of Zoology, University of Lucknow, Lucknow (sponsored by Department of Education, Govt. of Uttar Pradesh) from March 26-27, 2010.

INTERNATIONAL WEBINAR

23. Participated in the International Symposium on “Understanding the Corona Pandemic & its Implication”, organized by Faculty of Applied Sciences and Biotechnology, Shoolini University (H.P.), INDIA, **May 23, 24-25th, 2020.**
24. Participated in the International webinar on “Economic Development Strategies post COVID-19 pandemic”, organized by The Academic Development Committee of the B.S.N.V.P.G. College (KKV), Lucknow, (U.P.), INDIA, **30- 31th May, 2020.**
25. Participated in the International webinar on “COVID-19: Paradigm Shift in Teaching-Learning & Learner’s Physical and Mental Well Being”., organized by Govt. Raza P.G. College, Rampur, U.P., INDIA, **31th May, 2020.**
26. Participated in the International webinar on “COVID-19: Challenges and Opportunities for Sustainable Environmental Development”, organized by Department of Environmental Science, AKS University, Satna. In Association with The National

Academy of Science, India- Bhopal Chapter, The Academy of Environmental biology & The Society of Life Sciences, **05-07th June, 2020.**

27. Participated in the International Web Conference (IWC 2020) on “Safe Water, Sanitation and Hygiene for Health. organized by Asian Biological Research Foundation (ABRF), Prayagraj, INDIA, **09 to 11 November, 2020.**

NATIONAL WEBINAR:

28. Participated in “Covid-19 Awareness Quiz Competition” organized by Global Academic Society, 529 D/1/P- 002, Pragati Vihar, Kalyanpur, Lucknow, U.P., INDIA, with a passing score of 72%., Reg:-888/2009-10, **16th May, 2020.**
29. **Paper presented** in National webinar “Corona (Covid-19) Ke Samajik Prabhav” topic entitled "**Socio Economic Impact of COVID-19 on Indian labourer**" organized by The Department of Sociology, D.A.V.P.G. College, Rajendra Nagar, Lucknow, U.P., INDIA, From November **17th May, 2020.**
30. Participated in the National webinar on ‘The Role of Chemistry in Sanitization and Personal Hygiene in Context of COVID-19’ organized by Department of Chemistry, B.S.N.V.P.G College, Lucknow, INDIA on **19th May, 2020.**
31. Participated in the National webinar of “Self Introspection #lockdown” organized by Faculty of Commerce, National P.G. College, Lucknow (U.P.), INDIA, **20-21th May, 2020.**
32. Participated in the National webinar of “Intellectual Property Right: Protection of Intellectual Property and Way forward” organized by Intellectual Property right cell, Veer Bahadur Singh Purvanchal University, Jaunpur- 222003(U.P.), INDIA, **22-23th May, 2020.**
33. Participated in the National webinar of “Advance Excel”, organized jointly by akash Technolabs and Sigma Institute of Engineering, Vadodara. INDIA, **25th & 26th May, 2020.**
34. Participated in the National webinar of “Covid-19: Sustenance against the Pandemic”, organized by Department of Zoology, Isabella Thoburn College, Lucknow, (U.P.), INDIA, **29th May, 2020.**
35. Participated in the National webinar of “Human, health & Herbs-3H”, organized by Mahila Vidyalaya Degree College, Aminabad, Lucknow, (U.P.), INDIA, **30th May, 2020.**
36. Participated in the National webinar of “RELEVANCE OF SCIENTIFIC VALUES IN FIGHTING THE PANDEMIC COVID-19”, organized by Department of Chemistry of Saroj Lalji Mehrotra Faculty of Science, S. S. Khanna Girls Degree College, Prayagraj, (U.P.), INDIA, **05th June, 2020.**
37. Participated in the Global webinar of “JOBS FOR THE NEXT FIVE YEARS”, organized by Integral University, Lucknow, (U.P.), INDIA, **06th June, 2020.**

38. Participated in the National webinar of “Impact of COVID-19 on Indian Economy”, organized by Indian Accounting Association (Gwalior Branch), M.P., INDIA, **7th & 8th June, 2020.**
39. Participated in the National webinar of “Covid-19: Cause, Effect and Probable Wayout”, organized by Department of Zoology, Sri Jai Narain Mishra P.G. College (KKC), Lucknow, (U.P.), INDIA, **10th June, 2020.**
40. Participated in the National webinar of “Environment – in the scenario of Covid-19 and Nanoparticles”, organized by Chandra Bhanu Gupta agriculture P.G. College, Bakshi Ka Talab, Lucknow, (U.P.), INDIA, **16th June, 2020.**
41. Participated in “Yogathon 2020” (Online Quiz) on the occasion of International Yoga Day organized by Department of Computer Application, Integral University, Lucknow, INDIA, with a passing score of 86%., SUY6L0-CE000801, **21ST June, 2020.**

COMPUTER SKILLS

- **Course on Computer Concepts (CCC)** from National Institute of Electronics and Information Technology (NIELIT) in the year 2018.
- Basic knowledge (MS Word, MS Power Point, MS Excel, Microsoft Publisher and Internet browsing).

REFERENCE

- 1. Dr. A. K. Pandey**
Ex. Principal Scientist
National Bureau of Fish Genetic Resources, Lucknow
E-mail: akpandey.ars@gmail.com
- 2. Dr. Sanjive Shukla**
Associate Professor
Ex-Head, P.G. Department of Zoology,
B.S.N.V.P.G. College, Lucknow-226001
E-mail: sanjiveshukla@gmail.com
- 3. Prof. A. K. Chopra**
Ex-Registrar, Gurukula Kangri University, Haridwar
Ex-Head, Department of Zoology & Environmental Science
Gurukula Kangri University,
Haridwar-249404
E-mail: profakchopra@yahoo.co.in

I hereby declare that all the information provided above is true and correct to the best of my knowledge and belief.

Date: 25-03-2023

Place: Lucknow

(DR. ANAND MISHRA)