

Curriculum Vitae

Dr. Sunil Kumar Singh

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Educational Qualification:

2001: Ph.D., Department of Zoology, D.D.U. Gorakhpur University, Gorakhpur, (U.P.).

1997: M.Sc. Zoology (Fishery Biology), Department of Zoology, Gorakhpur University, Gorakhpur, (U.P.).

1995: B.Sc. Zoology, Botany & Chemistry, Mahatma Gandhi Degree College, Gorakhpur, (U.P.).

Research Experience:

The topic of thesis: “Studies on molluscicidal properties of some local plants of Eastern Uttar Pradesh against harmful snails”

Doctoral Research:

JRF (DOE, Research Project, New Delhi): 2000-2003, Department of Zoology, D.D.U. Gorakhpur University, Gorakhpur, (U.P.).

Post-Doctoral Research (PDF):

- Worked as a **Young Scientist** in the Department of Zoology at D.D.U. Gorakhpur University, Gorakhpur, (U.P.), **2007-2010. Young Scientist (DST, SERB, Fast Track, New Delhi).**

Research Interests:

My thrust area of research is the effects of plant-origin pesticides on harmful snails and non-target aquatic organisms. I did my Ph.D. on the development of botanical pesticides having molluscicidal, piscicidal, and larvicidal activity. New areas of my current research are extraction of different compounds from plant parts checking the biological activity, and documentation of traditional knowledge.

Teaching Experience: 15 Years

- Working as an Assistant Professor in the Department of Zoology at D.D.U. Gorakhpur University, Gorakhpur-273009, (U.P.) since **7th November 2022**.
- Worked as Assistant Professor (Self Finance Scheme) in the Department of Zoology at Heeralal Ramnivash (P.G.) College, Khalilabad, Sant Kabir Nagar, (U.P.) **10th November, 2014 to 7th November 2022**.
- Worked as a **Young Scientist (PDF)** in the Department of Zoology at D.D.U. Gorakhpur University, Gorakhpur, (U.P.), **2007-2010**.
- Worked as an Ad-hoc Lecturer in the Department of Zoology at D.D.U. Gorakhpur University, Gorakhpur, (U.P.), **2004-2007**.

Technical Editor as International Journals:

- Asian Journal of Animal Sciences.
- International Journal of Pharmacology.
- International Journal of Zoological Research.
- Journal of Fisheries and Aquatic Sciences.
- Research Journal of Environmental Toxicology.
- Agriculture, Forestry, and Fisheries.
- SCIREA Journal of Biology.
- Current Research Journal of Biological Sciences.

Reviewers as International Journals:

- British Journal of Pharmacological and Toxicology.
- Research Journal of Environmental and Earth Sciences.
- International Journal of Veterinary Advances.
- International Journal of Life Sciences Scientific Research

Administrative Assignment:

- Appointed as **Election Officer** in Student Union Election **2006-2007** date: 30th December **2006** at D.D.U. Gorakhpur University, Gorakhpur, (U.P.).
- Appointed as **Assistant Centre Superintendent** (Evening Session) at the home examination, **2008** at D.D.U. Gorakhpur University, Gorakhpur, (U.P.).
- Appointed as Centre Superintendent (Morning & Evening Sessions) at the home examination, **2016** at S.D. Memorial Degree College, Nautan, Deoria, (U.P.) affiliated to D.D.U. Gorakhpur University, Gorakhpur, (U.P.).
- Appointed as **Centre Superintendent** (Morning & Evening Session) at the home examination, **2017** at Munna Pal Kailashi Devi Mahavidyalaya, Kodwat, Sant Kabir Nagar, (U.P.) affiliated to Siddharth University, Kapilvastu, Siddharthnagar, (U.P.).
- Appointed as **Assistant Proctor**, at H.R. (P.G.) College, Khalilabad, Sant Kabir Nagar, (U.P.) **session 2018-2019; 2019-2020; 2020-2021; 2021-2022**, and **July 2022 - 7th November 2022**.
- Appointed as a **Member of the Game Association**, at H.R. (P.G.) College, Khalilabad, Sant Kabir Nagar, (U.P.) **session 2019-2020; 2020-2021; & 2021-2022**.
- Appointed as a **Member of IQAC**, at H.R. (P.G.) College, Khalilabad, Sant Kabir Nagar, (U.P.) **session 2021-2022**.
- Appointed as an **Assistant Proctor**, at D.D.U. Gorakhpur University, Gorakhpur, (U.P.) **30.11.2022 to 15.09.2023**.
- Appointed as **Assistant Centre Superintendent** (B.Sc. Ist & IIIrd Semester Evaluation of Answer Book) at the home examination, **2022** at D.D.U. Gorakhpur University, Gorakhpur, (U.P.).
- Appointed as **Coordinator, Development** Zero Waste Campus Center, one of the verticals of Poorvanchal Incubation Council (PIC), of D.D.U. Gorakhpur University, Gorakhpur, (U.P.) **08.01.2023 to 10.10.2023**.
- Appointed as **Joint Secretary**, Alumni Association of D.D.U. Gorakhpur University, Gorakhpur, (U.P.) **19.04.2024 to Till Date**.
- Appointed as **Centre Superintendent** (B.Sc. IInd & IIIrd year Evaluation of Answer Book) and (M.Sc. IInd and IVth Sem. Evaluation of Answer Book) at the home examination, **2024** at D.D.U. Gorakhpur University, Gorakhpur, (U.P.).

Appointed as Examiners in different Universities:

- Appointed as External examiner in theory and practical examination in B.Sc. classes in Dr. R.M.L. Lohia University, Faizabad, (U.P.) in **2006; 2015; 2016; 2017; 2018; 2019, 2020, 2022, and 2023.**
- Appointed as External examiner in theory and Practical examination in B.Sc. classes in V.B.S. Purvanchal University, Jaunpur, (U.P.) in **2015; 2016; 2017; 2018; 2019, 2020, 2022, 2023 and 2024.**
- Appointed as Internal examiner in theory and practical examination in B.Sc. classes in D.D.U. Gorakhpur University, Gorakhpur, (U.P.) in **2015** and External examiner in theory and practical examination in B.Sc. classes **2016; 2017; 2018; 2019; 2020; 2021, 2022, 2023 and 2024.**
- Appointed as Internal examiner in theory and practical examination in B.Sc. classes at Siddharth University, Kapilvastu, Siddharth Nagar, (U.P.) in **2016; 2017; 2018; 2019; 2020; 2021, 2022, 2023 and 2024.**
- Appointed as Internal examiner in practical examination in M.Sc. classes in Siddharth University, Kapilvastu, Siddharth Nagar, (U.P.) in **2018; 2019; 2020; 2021, 2022, 2023 and 2024.**

Annexure-II**List of Publications/Research Activities****A. Review Article published:**

1. **Sunil Kumar Singh**, Ram P. Yadav and Ajay Singh (2010): Molluscicides from some common medicinal plants of eastern Uttar Pradesh, India. ***Journal of Applied Toxicology***, Vol. 30(1): 1-7. **Impact Factor: 3.446, ISSN** (International Standard Serial Numbers): **1099-1263**.
2. **Sunil K. Singh**, Shailendra K. Singh, Ajay Singh (2013): Molluscicidal and Piscicidal properties of three medicinal plants of family Apocynaceae – a review. ***Journal of Biology and Earth Sciences***, Vol. 3(2): B194-B205. **Impact Factor: 0.675, ISSN: 2084-3577**.
3. **Sunil Kumar Singh** and Ajay Singh (2024): Medicinal and Biological Aspects of *Euphorbia hirta* Plant: A Review. ***International Journal of Creative Research Thought***, Vol. 12(7): 796-804. **Impact Factor: 7.97** (Calculated by Google Scholar), **ISSN: 2320-2882**; UGC Approved Journal No 63975.

B. Book Chapter published:

1. Ajay Singh, **S.K. Singh**, R.P. Yadav, V.K. Srivastava, D. Singh and S. Tiwari (2005): Eco-friendly Molluscicides, Pescicides and Insecticides from common plants. ***In: Trends in Agriculture and Soil Pollution Research, Editor: Livingston, James V., Nova Science Publisher, Inc., U.S.A.*** pp. 205-230. **ISBN: 1-59454-325-9**.
2. D. Singh, **S.K. Singh**, R.P. Yadav and Ajay Singh (2006): Botanicals as pesticides and their future perspectives in India. ***In: Frontiers in Environmental Research, Editor: Emma B. Davis, Nova Science Publisher, Inc., U.S.A.*** pp. 75-94. **ISBN: 1-60021-016-3**.
3. **Sunil Kumar Singh**, Shailendra Kumar Singh and Ajay Singh (2024): Piscicidal Activity of *Thevetia peruviana* Latex against Freshwater Fish in Laboratory and Cement Plastering Pond Conditions. ***Contemporary Research and Perspectives in Biological Science***, BP International Publisher, India. 3: 37-48. Print **ISBN: 978-93-48119-57-5**, eBook **ISBN: 978-93-48119-76-6**.

C. Book published:

1. **“Molecular Biology and Bio-instrumentation and Biotechniques”** edited by Dr. Sanjay Kumar Gupta, Dr. Jaya Singh, **Dr. Sunil Kumar Singh**, Dr. Digvijay Singh, published by Astitva Prakashan, Nehru Nagar, Bilaspur, Chhattisgarh, ISBN: 978-93-5838-355-3.

D. Full papers published:

1. **Sunil Kumar Singh**, Ram P. Yadav and Ajay Singh, (2000): Molluscicidal activity of *Thevetia peruviana*, a common medical plant of India. **Journal of Medicinal and Aromatic Plant Sciences**, Vol. 22/4A & 23/1A: 113-116. **ISSN: 0253-7125**.
2. Ram P. Yadav, **Sunil Kumar Singh** and Ajay Singh, (2002): Molluscicidal activity of *Codiaeum variegatum*, effect on snail metabolism. **Journal of Eco-physiology and Occupational health**, Vol. 2: 73-84. **ISSN: 0972-4397**.
3. **Sunil Kumar Singh** and Ajay Singh (2003): Toxic effect of *Thevetia peruviana* and *Alstonia scholaris* latices on the freshwater snail *Lymnaea acuminata*. **Iberus, Revista de la Sociedad Espanola de Malacologia**, Vol. 21(2): 19-27. **Impact Factor: 0.551, ISSN: 0212-3010**.
4. **S. K. Singh** and A. Singh (2003): Molluscicidal and anti-acetylcholinesterase activity of different solvent extracts of stem bark and leaf of *Euphorbia pulcherima* against freshwater harmful snail. **First National Interactive Meet on Medicinal and Aromatic Plants**, pp. 337-344. **ISSN: 0250-4363**.
5. **Sunil Kumar Singh** and Ajay Singh (2003): Effect of the plants *Thevetia peruviana* and *Alstonia scholaris* (Family:Apocynaceae) on Acetylcholinesterase activity of *Lymnaea acuminata* snails. **Egyptian Journal of Schistosomiasis and Infectious and Endemic Diseases**, Vol. 25: 31-40. **ISSN: 1110-7278**.
6. Ram P. Yadav, Digvijay Singh, **Sunil K. Singh** and Ajay Singh, (2003): Metabolic changes in freshwater fish *Channa punctatus* due to stem-bark extract of *Croton tiglium*. **Journal of Biological Sciences**, Vol. 6(14): 1223-1228. **ISSN: 1028-8880**.
7. **Sunil Kumar Singh** and Ajay Singh (2003): Molluscicidal and Anti-cholinesterase activity of *Alstonia scholaris* plant against freshwater snail *Lymnaea acuminata*. **Journal of Biological Sciences**, Vol. 6(16): 1442-1446. **ISSN: 1028-8880**.
8. **Sunil Kumar Singh**, R.P. Yadav and Ajay Singh (2003): Molluscicidal activity of *Euphorbia hirta* plant against freshwater vector snails. **Proceedings of National Symposium on Biochemical Sciences: Health and Environmental Aspects**, pp. 290-294.
9. Singh D., Yadav R.P., **Singh S. K.**, Deepak P.K. and Singh A. (2003): Studies on fish status and water quality of Ramgarh Lake in Gorakhpur District (U.P.), India. **Malaysian Applied Biology**, Vol. 32(2): 27-33. **Impact Factor: 0.053, ISSN: 0126-8643**.
10. V. K. Srivastava, **Sunil Kumar Singh**, Meelu Rai and Ajay Singh (2003): Toxicity of *Nerium indicum* and *Euphorbia royleana* lattices against *Culex quinquefasciatus* mosquito larvae. **Nigerian Journal of Natural**

- Products and Medicine**, Vol. (7): 61-64. **Impact Factor: 0.168, ISSN: 1118-6267.**
11. **S.K. Singh**, P. K. Tripathi, R.P. Yadav, D. Singh and A. Singh (2004): Toxicity of Malathion and Carbaryl Pesticides: Effects on Some Biochemical Profiles of the Freshwater Fish *Colisa fasciatus*. **Bulletin of Environmental Contamination and Toxicology**, Vol. 72(3): 592-599. **Impact Factor: 2.807, ISSN: 0007-4861.**
 12. **Sunil Kumar Singh**, R.P. Yadav, Digvijay Singh and Ajay Singh (2004): Toxic effect of two common Euphorbiales latices on the freshwater snail *Lymnaea acuminata*. **Environmental Toxicology and Pharmacology**, Vol. (15): 87-93. **Impact Factor: 5.785, ISSN: 1382-6689.**
 13. **Singh, S. K.**, Yadav, R.P., Singh, D. and Singh, A. (2004): Toxicological effects of stem bark of *Thevetia peruviana* and *Alstonia scholaris* on the freshwater snail *Lymnaea acuminata*. **Malaysian Applied Biology**, Vol. 33(1): 61-68. **Impact Factor: 0.053, ISSN: 0126-8643.**
 14. S. Tiwari, **S.K. Singh** and A. Singh (2004): Toxicological effect and Biochemical alterations induced by different fractions of *Euphorbia royleana* latex in freshwater harmful vector snail *Lymnaea acuminata*. **Indian Journal of Experimental Biology**, Vol. 42(12): 1220-1225. **Impact Factor: 0.944, ISSN: 0975-1009.**
 15. **Sunil Kumar Singh**, Ram P. Yadav and Ajay Singh (2004): Molluscicidal activity of different organic solvent latex extracts of some common euphorbiales against freshwater harmful snails. **Journal of Sciences, Islamic Republic of Iran**. Vol. 15(1): 59-63. **ISSN: 1016-1104.**
 16. **Sunil Kumar Singh**, Ram P. Yadav, S. Tiwari and Ajay Singh (2005): Toxic effect of stem bark and leaf of *Euphorbia hirta* plant against freshwater vector snail *Lymnaea acuminata*. **Chemosphere**, Vol. 59 (2): 263-270. **Impact Factor: 8.943, ISSN: 0045-6535.**
 17. Sudhanshu Tiwari, **Sunil Kumar Singh** and Ajay Singh (2005): The contribution of the Anticholinesterase activity of *Pedicularis tithymaloide* to its molluscicidal activity. **African J of Traditional Complementary and Alternative Medicines**. Vol. 2(3): 326-336. **ISSN: 0189-6016.**
 18. Ajay Singh and **Sunil Kumar Singh** (2005): Molluscicidal evaluation of three common plant species from India. **Fitoterapia**, Vol. 76(7-8): 747-751. **Impact Factor: 3.204, ISSN: 0367-326X.**
 19. R.P. Yadav, D. Singh, **S. K. Singh** and A. Singh (2006): Toxic effects of stem-bark extracts of *croton tiglium* on the metabolism of freshwater snail *Lymnaea acuminata*. **Journal of American Malacological Bulletin**, Vol. (21): 87-92. **Impact Factor: 1.129, ISSN: 2162-2698.**
 20. Ram P. Yadav, **Sunil K. Singh** and Ajay Singh (2009): Toxic effects of euphorbious plants against freshwater vector snails in ponds. Proceedings of the symposium on Functional Biodiversity and Ecophysiology of Animals. Edited by Prof. Dinesh Kumar, Prof. Neelkamal Rastogi and Dr. Muniyandi Singaravel. pp. 293-300.

21. **Sunil Kumar Singh**, Ram P. Yadav and Ajay Singh (2009): The toxicity of *Thevetia peruviana* and *Alstonia scholaris* plants to target and non-target aquatic organism. Proceedings of the symposium on Functional Biodiversity and Ecophysiology of Animals. Edited by Prof. Dinesh Kumar, Prof. Neelkamal Rastogi and Dr. Muniyandi Singaravel. pp. 301-307.
22. **S. K. Singh** and A. Singh (2009): Toxic effect of *Euphorbia pulcherima* plant to fingerlings of *Labeo rohita* (Hamilton) in different culturing conditions. **World Journal of Fish and Marine Sciences**, Vol. 1(4): 324-329. **ISSN: 1992-0083**.
23. Shailendra Kumar Singh, **Sunil Kumar Singh** and Ram P. Yadav (2010): Toxicological and Biochemical Alterations of Cypermethrin (Synthetic Pyrethroids) Against Freshwater Teleost Fish *Colisa fasciatus* at Different Season. **World Journal of Zoology**, Vol. 5(1): 25-32. **ISSN: 1817-3098**.
24. **Sunil Kumar Singh** and Ajay Singh (2010): Toxic effect of *Alstonia scholaris* plant to fingerlings of *Labeo rohita* (Hamilton) in different conditions. **World Journal of Zoology**, Vol. 5(1): 41-46. **ISSN: 1817-3098**.
25. **Sunil Kumar Singh** and Ajay Singh (2010): Metabolic Changes in Freshwater Harmful Snail *Lymnaea acuminata* Due to Aqueous Extract of Bark and Leaf of *Euphorbia pulcherima* Plant. **American-Eurasian Journal of Toxicological Sciences**, Vol. 2(1): 13-19. **ISSN: 2079-2050**.
26. **Sunil Kumar Singh** and Ajay Singh (2010): The toxicity of leaf and stem bark of *Thevetia peruviana* plant to fingerlings of *Labeo rohita* (Ham.) in different conditions. **Malaysian Applied Biology**, Vol. 39(1): 25-31. **Impact Factor: 0.053, ISSN: 0126-8643**.
27. **S.K. Singh**, R.P. Yadav and A. Singh (2010): Piscicidal activity of leaf and bark extract of *Thevetia peruviana* plant and their biochemical stress response on fish metabolism. **European Review for Medical and Pharmacological Sciences**, Vol. 14(11): 915-923. **Impact Factor: 3.784, ISSN: 1228-3602**.
28. **Sunil Kumar Singh** and Ajay Singh (2010): Molluscicidal activity of different solvent leaf and bark extracts of *Euphorbia hirta* plant against the freshwater vector snails. **International Journal of Malacology, Argonauta**, Vol. 21 (1-6): 22-33. **ISSN: 2037-8998**.
29. **Sunil K. Singh**, Shailendra K. Singh, Ajay Singh (2013): Toxicological and biochemical alterations of apigenin extracted from seed of *Thevetia peruviana*, a medicinal plant. **Journal of Biology and Earth Sciences**, Vol. 3(1): B110-B119. **ISSN: 2084-3577, Impact Factor: 0.675**.
30. **S. K. Singh**, A. Johnson and A. Singh (2014): Toxic effect of *Euphorbia hirta* plant to fingerlings of *Labeo rohita* (Hamilton) in different culturing conditions. **Scientific Journal of Veterinary Advances**, Vol. 3(7): 83-90. **ISSN: 2322-1879**.

31. **Sunil Kumar Singh**, Shailendra Kumar Singh and Ajay Singh (2022): Piscicidal activity against freshwater fish in laboratory and cement plastering pond condition. ***Asian Journal of Advances in Research***, Vol. 12(5): 5-11. **ISSN: 0256-971X**.

E. Paper communicated for publication:

Sunil Kumar Singh and Ajay Singh (2024): Medicinal and Biological Aspects of *Euphorbia hirta* Plant: A Review. ***Malaysian Applied Biology***.

Sunil Kumar Singh and Ajay Singh (2024): The piscicidal activity of *Thevetia peruviana* plant against freshwater fish *Labeo rohita* (Hamilton) in different conditions. ***Indian Journal of Fisheries***.

Sunil Kumar Singh, Shailendra Kumar Singh and Ajay Singh (2024): Toxic effect of *Euphorbia hirta* plant to fingerlings of *Labeo rohita* (Hamilton) in different culturing conditions. ***Malaysian Applied Biology***.

F. Abstracts in workshop/symposia:

1. **Sunil Kumar Singh**, Ram P. Yadav and Ajay Singh, (2000): Molluscicidal activity of *Thevetia peruviana*, a common medical plant of India. National Seminar of Frontiers of Research, CIMAP, Lucknow 16-18 September 2000. Abstract No. 75, pp. 50.
2. Ram P. Yadav, **Sunil Kumar Singh** and Ajay Singh, (2000): Molluscicidal activity of *Codiaeum variegatum*, effect on snail metabolism. 21st Annual Academy of Annual Session, Faizabad 6-8 November 2000. Abstract No. 97, pp. 29.
3. V. K. Srivastava, **S. K. Singh**, Meelu Rai and Ajay Singh (2002): Possibility of using the latex of *Nerium indicum* and *Euphorbia royleana* for mosquito control. 6th International Symposium on Vectors and Vector Born Diseases. Organized by the National Academy of Vector Born Diseases, Bhubaneswar at RMRC Bhubaneswar 9-11 Feb. 2002. Abstract No. 99, pp. 71.
4. **Sunil Kumar Singh** and Ajay Singh (2002): Molluscicidal and anti-acetylcholinesterase activity of different solvent extracts of stem bark and leaf of *Euphorbia pulcherima* against the freshwater harmful snail. National Interactive Meet, Scope and Opportunities in Research and Business of Medicinal and Aromatic Plants. Organized by Central Institute of Medicinal and Aromatic Plants (CSIR) at Lucknow 17-18 May 2002. Abstract No. 17, pp. 51-52.
5. Ram P. Yadav, **Sunil K. Singh** and Ajay Singh (2005): Toxic and sub-lethal effects of taraxerol on biochemical parameters of freshwater snail *Lymnaea acuminata*. National Seminar on Biological Chemistry: Advancing Frontiers. Organized by Department of Chemistry, DDU

- Gorakhpur University at Gorakhpur, (U.P.) 22 and 23 March 2005. pp. 28.
6. **Sunil Kumar Singh** and Ajay Singh (2006): Molluscicidal and anti-cholinesterase activity of *Cryptostagia grandiflora* plant against freshwater harmful snail *Lymnaea acuminata*. International Symposium on current issues in Zoology and Environmental Science. Organized by the Department of Zoology (Environmental Science) and Biotechnology, D.D.U. Gorakhpur University, Gorakhpur, (U.P.) 11, 12 and 13 November 2006. pp. 25.
 7. **Sunil Kumar Singh** and Ajay Singh (2009): Possibility of using the different solvent extracts of leaf and stem bark of *Euphorbia hirta* plant for freshwater vector snail's control. Organized by Entomology Research Institute, Loyola College, Chennai, 5-6 February 2009, pp. 05.
 8. **Sunil Kumar Singh**, Ram P. Yadav and Ajay Singh (2009): The Toxicity of *Thevetia peruviana* and *Alstonia scholaris* plants to target and non-target aquatic organisms. Organized by Department of Zoology, Centre of Advanced Study, Banaras Hindu University, Varanasi, (U.P.) 21-23 February 2009, pp. 116.
 9. Ram P. Yadav, **Sunil Kumar Singh**, and Ajay Singh (2009): Toxic effects of euphorbious plants against freshwater vector snails in ponds. Organized by Department of Zoology, Centre of Advanced Study, Banaras Hindu University, Varanasi, (U.P.) 21-23 February 2009, pp. 118.
 10. **Sunil Kumar Singh** and Ajay Singh (2013): Comprehensive phyto-pharmacological properties of *Thevetia peruviana* and *Alstonia scholaris* plants. Organized by the Department of Zoology, D.D.U. Gorakhpur University, Gorakhpur (U.P.) 13-14 March 2013, pp. 82.
 11. **Sunil Kumar Singh** and Ajay Singh (2013): Medicinal and biological aspects of *Euphorbia hirta* plant. Organized by the Department of Zoology, Environmental Science and Biotechnology, D.D.U. Gorakhpur University, Gorakhpur (U.P.) and National Environmentalists Association, Ranchi, Jharkhand, 11-13 November 2013, pp. 31.
 12. **Sunil Kumar Singh** and Ajay Singh (2014): Molluscicidal and phyto-pharmacological properties of three medicinal plants of family Apocynaceae. Organized by Department of Zoology, Marwar Business School, Gorakhpur (U.P.), 24-25 March 2014, pp. 58.
 13. **Sunil Kumar Singh**, Abhay deep Johnson and Ajay Singh (2014): Molluscicidal activity and enzyme inhibition of *Cryptostagia grandiflora* plant to nervous tissue of snail *Lymnaea acuminata*. Organized by Department of Zoology, Saraswati Vidya Mandir Mahila P.G. College, Gorakhpur (U.P.), 19-20 December 2014, pp.29.
 14. **Sunil Kumar Singh**, Asha Mishra, Dineshwar Chand (2016): Piscicidal activity of *Thevetia peruviana* plant against freshwater fish *Labeo rohita* (Hamilton) in different conditions". Organized by Department of Zoology, Marwar Business School, Gorakhpur (U.P.), 09-10 Feb. 2016, pp. 64.

15. **Sunil Kumar Singh** and Ajay Singh (2018): Medicinal and biological aspects of *Euphorbia hirta*. Organized by the Department of Zoology, D.D.U. Gorakhpur University, Gorakhpur (U.P.) 16-18 November, 2018, pp. 139.
16. **Sunil Kumar Singh** and Ajay Singh (2023): The toxicity of *Thevetia peruviana* plant to fingerlings of *Labeo rohita* (Hamilton) in different conditions. Organized by St. Andrew's College, Gorakhpur, (U.P.), dated 31st October to 01st November 2023, pp. 31-32.

G. Paper presented in seminar/symposia:

1. **Sunil Kumar Singh**, Ram P. Yadav and Ajay Singh, (2000): Molluscicidal activity of *Thevetia peruviana*, a common medical plant of India. Organized by CIMAP Lucknow, India. Dated 16-18 September 2000.
2. V. K. Srivastava, **S. K. Singh**, Meelu Rai and Ajay Singh (2002): Possibility of using the latex of *Nerium indicum* and *Euphorbia royleana* for mosquito control. Organized by the National Academy of Vector Born Diseases, Bhubaneswar at RMRC Bhubaneswar, India. Dated 9-11 Feb. 2002.
3. **Sunil Kumar Singh** and Ajay Singh (2002): Molluscicidal and anti-acetylcholinesterase activity of different solvent extracts of stem bark and leaf of *Euphorbia pulcherima* against the freshwater harmful snail. Organized by CIMAP Lucknow, India. Dated 17-18th May 2002.
4. **Sunil Kumar Singh**, R. P. Yadav and Ajay Singh (2003): Molluscicidal activity of *Euphorbia hirta* plant against freshwater vector snails. Organized by Dayalbagh Educational Institutes, (Deemed University), Agra. Dated 2-4th Oct. 2003.
5. **Sunil Kumar Singh** and Ajay Singh (2009): Possibility of using the different solvent extracts of leaf and stem bark of *Euphorbia hirta* plant for freshwater vector snail's control. Organized by Entomology Research Institute, Loyola College, Chennai, 5-6 February 2009.
6. **Sunil Kumar Singh**, Ram P. Yadav and Ajay Singh (2009): The Toxicity of *Thevetia peruviana* and *Alstonia scholaris* plants to target and non-target aquatic organisms. Organized by Department of Zoology, Centre of Advanced Study, Banaras Hindu University, Varanasi, (U.P.) 21-23 February 2009.
7. **Sunil Kumar Singh** and Ajay Singh (2013): Comprehensive phyto-pharmacological properties of *Thevetia peruviana* and *Alstonia scholaris* plants. Organized by Department of Zoology, DDU Gorakhpur University, Gorakhpur (U.P.) 13-14 March 2013.
8. **Sunil Kumar Singh**, Abhay deep Johnson and Ajay Singh (2014): Molluscicidal activity and enzyme inhibition of *Cryptostagia grandiflora* plant to the nervous tissue of snail *Lymnaea acuminata*. Organized by Department of Zoology, Saraswati Vidya Mandir Mahila P.G. College, Gorakhpur (U.P.), 19-20 December 2014.

9. **Sunil Kumar Singh** and Ajay Singh (2018): Medicinal and biological aspects of *Euphorbia hirta*. Organized by the Department of Zoology, D.D.U. Gorakhpur University, Gorakhpur (U.P.) 16-18 November, 2018.

H. Attended seminar/symposia:

1. "National Seminar of Frontiers of Researchers on Medicinal and Aromatic Plants". Organized by Central Institute of Medicinal and Aromatic Plants (CIMAP), at Lucknow. 16-18 September 2000.
2. "6th International Symposium on Vectors and Vector Born Diseases". Organized by the National Academy of Vector Born Diseases. Bhubaneswar, at Regional Medical Research Centre (RMRC), Bhubaneswar. 9th – 11th February 2002.
3. "National Interactive Meet, Scope and Opportunities in Research and Business of Medicinal and Aromatic Plants NIM-2002". Organized by the Central Institute of Medicinal and Aromatic Plants (CIMAP) at Lucknow. 17-18th May 2002.
4. "National Symposium on Biochemical Sciences: Health and Environmental Aspects". Organized by Dayalbagh Educational Institute (Deemed University) Dayalbagh, Agra. 2-4th Oct. 2003.
5. "National Seminar on Biological Chemistry": Advancing Frontiers. Organized by the Department of Chemistry, D.D.U. Gorakhpur University at Gorakhpur, 22 and 23 March 2005.
6. "International Symposium on current issues in Zoology and Environmental Science". Organized by the Department of Zoology (Environmental Science) and Biotechnology, D.D.U. Gorakhpur University, Gorakhpur, (U.P.) 11-13 November, 2006.
7. "National Symposium on Advances in Zoology and Environmental Science" Organised by the Department of Zoology, D.D.U. Gorakhpur University, Gorakhpur (U.P.), 13-14 March 2013.
8. "International Conference Harmony-2013 on Harmony with nature in the context of eco-technological intervention and climate change" Organized by the Department of Zoology, Environmental Science and Biotechnology, D.D.U. Gorakhpur University, Gorakhpur (U.P.) and National Environmentalists Association, Ranchi, Jharkhand, 11-13 November 2013.
9. "National Seminar on current issues in Zoology and Environmental Science" Organised by the Department of Zoology, Marwar Business School, Gorakhpur (U.P.), 24-25 March 2014.
10. "National Conference on Challenges of Biological and Environmental Science in 21st Century" Organised by Department of Zoology, Saraswati Vidya Mandir Mahila P.G. College, Gorakhpur (U.P.), 19-20 December 2014.
11. "National Seminar on Role of CST, UP in promotion of science & technology and facilitation of IPR protection" Organised jointly by Faculty of Science D.D.U. Gorakhpur University, Gorakhpur & CST, UP, Lucknow, on March 15, 2015.

12. "International Symposium on Frontiers of Natural Products Research and Human Health & 2nd Annual Meeting of Indian Society for Life Science" Organized by Department of Zoology, D.D.U. Gorakhpur University, Gorakhpur, University, U.P. on December, 19th, 2015.
13. "National Conference o Man and Biosphere" Organized by the Department of Zoology, Marwar Busines School, Gorakhpur (U.P.), 09-10 Feb. 2016.
14. "International Conference on Green Chemistry and Environmental Health" Organized by Department of Chemistry, Marwar Busines School, Gorakhpur (U.P.), 25-26 Sep. 2017.
15. "International Symposium on "Advances in Biological and Environmental Research for Human Welfare" Organized by Department of Zoology, D.D.U. Gorakhpur University, Gorakhpur, University, U.P. on November, 16-18, 2018.
16. National Conference on "Innovation and Entrepreneurship: A magic bullet to industrial revolution through advancement in biological, chemical, physical and mathematical sciences" Organized by St. Andrew's College, Gorakhpur, (U.P.), dated 31st October to 01st November 2023.

I. Attended in National Workshop:

1. "Farmer awareness workshop for the production and use of vermicompost" Organised by the Department of Zoology, D.D.U. Gorakhpur University, Gorakhpur (U.P.), 21st December 2014.
2. "Scientific paper writing and effective communication" Organized by the Department of Biotechnology, D.D.U. Gorakhpur University, Gorakhpur (U.P.), 17-18 September, 2016.
3. "National farmer's awareness program on production and use of vermicompost and bio-pesticides" Organised by the Department of Biotechnology, D.D.U. Gorakhpur University, Gorakhpur (U.P.), 27 February 2018.
4. "Farmer awareness workshop for the production and use of vermin-compost and vermin-pesticides" Organised by the Department of Zoology, D.D.U. Gorakhpur University, Gorakhpur (U.P.), and National Service Scheme (NSS), D.D.U. Gorakhpur University, Gorakhpur, (U.P.), 15th October 2019.
5. "Baudh Darshan ka saidhantik drishtikod uska dhyanatmak aadhar, neetishashtra avam nirvadatmak parinaam" Organised by International Baudh Centre, Siddharth University, Kapilvastu, Siddharth Nagar, U.P. and Indian Council of Philosophical Research, New Delhi, 08 October to 14 October 2020.
6. "Advanced Research Methodology & Data Analytics" Organised by Digvijai Nath Post Graduate College, Gorakhpur, U.P. and Science Tech Institute, Lucknow, U.P., Oct 21-27, 2024.

J. Attended National/International Webinar:

1. "One-day quality improvement (QIP) on Introduction to e-learning software tools for education" Organized by College of Commerce, Arts and Science, Patna and Soghra College, Biharsharif, Nalanda, Bihar on 26.05.2020.
2. "International webinar on Covid-19: Challenges and perspectives" Organized by Digvijay Nath Post Graduate College, Gorakhpur, (UP) on 03.06.2020.
3. "One-day Webinar on Challenges and Opportunities of Indian Economy Post Lockdown" Organized by Siddharth University, Kapilvastu, Siddharth Nagar, (UP) on 08.06.2020.
4. "International webinar on Pandemic Era of Covid-19: Where we Stand? Where to Go?" Organized by the Department of Zoology, DDU Gorakhpur University, Gorakhpur, (UP) on 09-10.06.2020.
5. "General Awareness Quiz on Pandemic Covid-19" Organized by the Department of Computer Application, Shivharsh Kisan PG College, Basti, (UP) on 25.05.2020.
6. "Sports/Yoga Awareness Quiz" Organized by Siddharth University, Kapilvastu, Siddharth Nagar, (UP) on 16.06.2020.
7. "National Webinar (e-Conference) on Social Cultural and Scientific Dimensions of Nath-Panth" Organized by Maha Yogi Guru Sri Gorakshnath Sodhpeeth, Gorakhpur, (UP) on 21-22.06.2020.
8. "One day Workshop on Swachhata Action Plan in Sant Kabir Nagar District" Organized by Ministry of Human Resource Development, New Delhi, Govt. Of India on 27.06.2020.
9. "National Webinar (e-Conference) on Keeping Tabs on COVID-19" Organized by the Department of Zoology, National Post Graduate College, Lucknow, (UP) on 01 July 2020.
10. "General Awareness Quiz on an online survey in scenario of Covid-19" Organized by K.K. (PG) College, Etawah, (UP) on 05 July 2020.
11. "One Day National Webinar to Observe World Tuna Day-2021" organized by the Department of Economics and Zoology, Poona College of Arts, Science & Commerce, Pune, Maharashtra on 2nd May 2021.

K. Professional development Programmed, viz., Orientation programs, Refresher Courses, Short Term Courses, Faculty Development programs:

1. 6th online Faculty Induction Programme organized by Academic Staff College and DDU Gorakhpur University, Gorakhpur for newly appointed teachers of University and College, dated: 26.08.2023 To 24.09.2023.
2. NEP Orientation & Sensitization Program organized by UGC Malviya Mission Teacher Training Centre, DDU Gorakhpur University, Gorakhpur dated 22.11.2023 To 30.11.2023.

3. 7th online refresher course in Zoology organized by UGC Malviya Mission Teacher Training Centre, DDU Gorakhpur University, Gorakhpur dated 03.01.2024 To 16.01.2024.

Place: Gorakhpur

Date: 30.10.2024

(Sunil Kumar Singh)