

CURRICULAM-VITAE

Name : **Dr. Dushyant Kumar Chauhan**
Designation : Assistant Professor
Address : Department of Zoology,
Chaudhary Charan Singh University,
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Academic Qualifications:

Ph.D. (2002) in Zoology from Ch. C. S. University, Meerut

M.Phil. (1996) in Zoology from Ch. C. S. University, Meerut

M.Sc. (1994) in Zoology from Meerut College, Ch. C.S. University, Meerut

B.Sc. (1991) in Bioscience from Meerut College, Ch. C.S. University, Meerut

Teaching Experience: 19 years- P.G. classes in Department of Zoology, Ch. C.S. University, Meerut

Research Experience: 16 years

Number of Research Publications : 50

(Annexure – I)

Paper Presented in Conferences: 09

1. Effect of Pollution on Marine Animals: National Seminar on Future Water Crisis: Opportunities and Solution held on July 21, 2019 organized by Samaj Vikas Sansthan, 332/6, Jagriti Vihar, Meerut (U. P.) India.
2. Toxicological alteration in intestine induced by cadmium acetate in W.L.H. chicks In: National Conference on Role of Science and technology in Socio-Economic Development held on Feb. 28-29, 2016 organized by Dr. B. R. Ambedkar Government Degree College, Mainpuri (U. P.).
3. Impact of Science and Technology on Female Foeticide In: National Seminar on “Role of Education in Preventing Female Foeticide held on 5th March, 2016.

4. Human Rights Approach to Environmental Protection In: National Seminar on “Human rights: Present and future” held on August, 26-27, 2015 organized by Dept. of Political Science, S.S. V. College, Hapur (U. P.).
5. Economic Aspect of Poultry Industry and poultry Birds In: National Seminar on “Natural Habitats’ Destruction due to Anthropogenic Activities and its Impact on Wild Animal Behavior in Indian Scenario” April 28, 2015 Organized by Department of Zoology and Botany S. S. V. College, Hapur.
6. A Biochemical and histological study in Cadmium induced W.L.H. Chicks In: National Seminar on The Role of Biology in Bringing Second Green revolution held on Oct. 11-12, 2015 organized by Dept. Of Botany, M. S. College, Saharanpur (U.P.).
7. Biomass Fuel smoke- causative TB in Rural Women, In: State Level Seminar on Tuberculosis and Free Radicals. Organized by District Tuberculosis Center, Government of Uttarakhand and Government P. G. College, Lohaghat held on Nov. 25, 2014.
8. Assessment of Health risk in Rural women on exposure to domestic air pollution caused by combustion of biomass fuel, In: National Seminar on “Environmental Ethics” in Adharshila College of Education, held on Nov. 12th, 2010.
9. Assessment of Immunity of Rural Women exposed to indoor air pollution, In: National Seminar on Ailing Earth and Health Threats held on Dec. 19-20, 2007, organized by DN PG College, Meerut.

Participation in National / International Conferences: 26

1. International Conference on Technology for Education, Training and Business (ICTETB-2018) held on **April 5th and 6th-2018** organized by School of Education, Noida International University, Greater Noida, Gautam Budh Nagar, U. P. in collaboration with Academic Research in Science, Engineering, Art & Management (ARSEAM) Foundation, New Delhi.
2. National Conference on Role of Science and technology in Socio-Economic Development held on **Feb. 28-29, 2016** organized by Dr. B. R. Ambedkar Government Degree College, Mainpuri (U.P.).
3. National Seminar on “Role of Education in Preventing female Foeticide held on **5th March, 2016**.
4. National Seminar on “Natural Habitats’ Destruction due to Anthropogenic Activities and its Impact on Wild Animal Behaviour in Indian Scenario” **April 28, 2015** Organized by Department of Zoology and Botany S. S. V. College, Hapur.

5. National Seminar on The Role of Biology in Bringing Second Green revolution held on **Oct. 11-12, 2015** organized by Dept. Of Botany, M. S. College, Saharanpur (U.P.).
6. National Seminar on “**Human rights: Present and future**” held on **August, 26-27, 2015** organized by Dept. of Political Science, S.S. V. College, Hapur(U.P.).
7. State Level Seminar on Tuberculosis and Free Radicals. Organized by District Tuberculosis Center, Government of Uttarakhand and Government P. G. College Lohaghat held on **Nov. 25, 2014**.
8. National symposium on Innovative and modern technologies for sustainable agriculture and Rural Development. **October 19-20, 2013** organized by society of biological science and rural development, Allahabad.
9. New innovations in parasitological research. National Seminar in D.A.V. P.G. College, Dehradun, held on **March 29-30, 2011**.
10. Society of Biological Sciences and Rural Development.(2011). Gola Bazar, New Jhansi, Allahabad.
11. National Seminar on “Environmental Ethics” in Adharshila College of Education, held on **Nov. 12th, 2010**.
12. Seminar-cum-workshop on Bioresources conservation and utilization during **March, 27-29 , 2009** in Ch. C. S. University, Meerut
13. National Seminar on “Thrust areas in fish biotechnology and fish conservation” held on **Sep. 19, 2009** , Department of Zoology, Meerut College, Meerut.
14. National Symposium on “Biomarkers of environmental problems” held on **Oct. 26-28, 2007**, organized by Department of Zoology, Ch. C. S. University, Meerut
15. National Conference of on Recent Advances in Fishery Science Education, Research and Training (**RAFSERT, 2007**) DAV College, Muzaffarnagar.
16. National Seminar on Ailing Earth and Health Threats **held on Dec. 19-20, 2007**, organized by DN PG College, Meerut.
17. National Conference on “Recent Advances in Applied Zoology (**RAAZ-2006**), Department of Zoology, Ch. C. S. University, Meerut
18. National Symposium on “Applications and recent advances in life sciences” held on **Nov. 18, 2006**, Department of Zoology, D.N. (PG) College Meerut.
19. National Symposium on “Challenges and Opportunities in Animal Science Education and Research held on **Feb. 19-21, 2005**, Department of Zoology, Ch. C. S. University, Meerut.
20. National Symposium on “Cell Injury and Cell Death” held on **Feb. 10-12, 2001**, Department of Zoology Ch. C. S. University, Meerut
21. Indian Science Congress, held on **Jan. 3-7, 2001**, held at Indian Agriculture Research Institute, New Delhi.
22. XIV National Congress of Parasitology, held on **April 23-26, 2000**, organized by ICGEB, New Delhi

23. Indian science Congress Association (1996), Shanti Niketan Vardhman, Calcutta
24. 13th Annual Session “The Academy of Environmental Biology held on **Dec. 27-29, 1992**, Department of Zoology, Meerut College, Meerut.
25. International conference on “**Global IPR System and WTO Issues**”, held on November 16-17, **2013**, organized by Intellectual Property Cell Ch. Charan Singh University, Meerut.
26. International symposium on “**Complement in Human Disease**” held on October 29-31, 1998 organized by the Department of Biochemistry, All India Institute of Medical Sciences.

Participation in Workshop/Courses: 07

1. **Seven days Workshop- (February, 19-25, 2018)** – “National Workshop on Recent Technologies for Food Security and Rural Development” Jointly Organized by Society of Biological Sciences and Rural Development, Allahabad (U. P.) India and Kulbhaskar Ashram Post Graduate College, Allahabad (U. P.) India.
2. **Seven days Workshop- (April, 09-17, 2018)** - National Workshop on “Synthesis of Nanoparticles” Organized by The Department of Biotechnology (BIOTISTA), under the aegis of Noida International University Research & Innovation Centre (NRIC), Uttar Pradesh, India.
3. **Seven days Workshop- (February, 19-25, 2018)** – National Workshop on “Recent Technologies for Food Security and Rural Development” Organized by Society of Biological Sciences and Rural Development, Allahabad (U.P.)
4. **Seven days Workshop- (Dec. 13-20, 2015)** - National Workshop on “Technological Innovations in Agriculture and Rural Development”, Organized by Society of Biological Sciences and Rural Development, Allahabad (U.P.)
5. **Four week Orientation Programme- (13-01.2014-10.02.2014)** conducted by Academic Staff College, Jamia Millia Islamia, New Delhi.
6. **One Week Workshop – (Nov. 23-29. 2009)** - National Workshop on “Applied Nematology” Organized by Department of Zoology, Ch. C. S. University, Meerut (U. P.)
7. **Two Days Workshop – (May 16-17. 2000)** - National Workshop on “Ind Awareness Workshop on Natural Disasters” Organized by Department of Environmental Science, Ch. C. S. University, Meerut (U. P.)

Chaired Sessions in Seminars: 02

1. As Rapporteur in Nation Symposium Organized by Society of Biological Science and Rural Development Allahabad. (Oct2013)
2. As Rapporteur in International Conference on Global IPR System and WTO Issues (Nov, 2013) organized by Intellectual Property Cell Ch. Charan Singh University, Meerut.

Invited Lectures

- **Invited Lecture- (February, 19-25, 2018) –In “National Workshop on Recent Technologies for Food Security and Rural Development”** Jointly Organized by Society of Biological Sciences and Rural Development, Allahabad (U. P.) India and Kulbhaskar Ashram Post Graduate College, Allahabad (U. P.) India.
- Invited Lecture- State Level Seminar on Tuberculosis and Free Radical in Lohaghat Uttarakhand Government. On Biomass Fuel Smoke- A causative factors of T.B. in Rural Women.(2014)

Awards: 07

1. **Dr. B.K. Belsare Medal year -2022** by Zoological Society of India, Shahdol (MP) for Outstanding Research & Academic Contribution in the field of Immunotoxicology.
2. **Shikshak Shiromani Award Year 2018-19** by Samaj Vikas Sansthan, 332/6, Jagriti Vihar, Meerut (U. P.) India for special contribution in the field of Immunotoxicology (Zoology) on 21-07-2019.
3. **Recognition Award** in outstanding academic contribution and achievements in the field of **Immunotoxicology by Society of Life-Sciences, Satna (M.P.) on 16th November 2018.**
4. **Dr. APJ Abul Kalam Best Scientist Award Year 2017-2018** by Samaj Vikas Sansthan, 332/6, Jagriti Vihar, Meerut (U. P.) India for excellent contribution in the field of Immunotoxicology (Zoology) on 10-04-2018.
5. **Distinguished Service Award (2015)** by Society of Biological Science and Rural Development on **Dec. 13-20, 2015.**
6. **Distinguished Service Award (2011)** by Society of Biological Science and Rural Development on **Nov. 11-12, 2011.**
7. **Appreciation and Dedicated Service Award** by Rotary Club, Meerut.

Member of Various Academic / Scientific Societies: 08

1. Society of Life-Sciences, Satna (M.P.)
2. Indian Science Congress Association, Kolkata
3. Life Science Societies, Indian society of Life Science, Kanpur
4. Indian Immunology Society, New Delhi
5. The Academy of Environmental Biology, Lucknow
6. The Academy of environmental Biology, India.
7. Society of Biological Sciences and Rural Development (SBSRD), Allahabad.
8. Society of Life Sciences, Satna
9. Society of Helminthology, Lucknow

ANNEXURE – I

PUBLICATIONS: 50

1. Dushyant Kumar Chauhan, Vandana Gupta, Monika Yadav, Kavita Sharma, Manju, Juhi Rani and S.S. Lal (2003). Immunopathological studies in liver of albino rat along with heavy metal toxicity in experimental *bunostomiasis*. *J. Parasites and Diseases*. 119-126.
2. Dushyant Kumar Chauhan, Monika Yadav and S. S. Lal (2005). Immunopathological alteration caused by *Ascaridia galli* experimental infection and cadmium acetate toxicity in intestine of white leg horn chicks. *Trends in life Science (India)*. **20(1)** : 5-14
3. D.K. Chauhan; S. Ruhela; Mukesh Kumar and S.S. Lal (2005). Changes in the biochemical parameter of experimental chicks due to *Ascaridia galli* infection. *J. Exp. Zool. India*. Vol. **8(1)** : 69-76.
4. Shashi Ruhela, D.K. Chauhan and A. K. Kharae (2005). Macrocytic anaemia in cat fish, *Clarias batrachus* induced by *Procamallanus* infection *Aquacult* **6(1)** : 45-50
5. Shashi Ruhela, D.K. Chauhan and A.K. Kharae (2005). Biochemical alterations due to *Procamallanus* infection in cat fish, *Claris batrachus*. *J. Natcon*, **17(1)** : 145-151
6. Dushyant Kumar Chauhan; S. Ruhela; Mukesh. Kumar and S.S. Lal (2005). Immunohaematological changes in W.L.H. chicks induced by *Ascaridia galli* infection. *J. Exp. Zool. India*. **8(1)**: 37-43
7. Dushyant Kumar Chauhan; S. Ruhela and A.K. Khare (2005). Haematological and biochemical changes in cat fish *Clarias batrachus* carrying parasitic, infection of *Procamallanus*. *Biochem. Cell. Arch*. Vol. **5(1)** : 11-20
8. Shweta Jain, A.K. Kharae and Dushyant Kumar Chauhan (2007). Biochemical modulations in black rat (*Rattus rattus*) induced by bromadiolone. *Biochem. Cell Arch*. **7(2)** : 331-335
9. D. K. Chauhan, Kavita, Juhie and S.S. Lal (2007). Mast cell in male and female G.L.H. chicks induced by *Ascaridia galii* infection and fenbendazole treatment. *J. Exp. Zool.* **10(2)** : 481-482.

10. D.K. Chauhan, Juhie and S.S. Lal (2007). Immunomodulation in T and B cell of albino rats immunized male somatic antigen and challenged with different dose of infection in experimental *Ascariasis* . *J. Exp. Zool.***10.(2)** : 505-507
11. Dushyant Kumar Chauhan, Shashi Ruhela and S.S.Lal (2007). Immuno-haematotoxic effects of chronic cadmium acetate administration in white leg horn chicks. *Journal of Natural Resource and Development* **2(1)** : 7-10
12. Dushyant Kumar Chauhan, Shashi Ruhela and S.S.Lal (2007). Immunopathological changes in secondary lymphoid organ of white leg horn chicks induced by experimental *Ascariasis*. *Journal of Natural Resource and Development* **2(2)** : 104-109
13. Vandita, D.K. Chauhan and Seema Sharma (2007). Effect of biomass fuel on the haematological parameters of rural women. *Biochem. Cell. Arch.* **7(2)** : 305-308
14. Nabab Singh, Dushyant Kumar Chauhan, Shashi Ruhela and A.K. Khare (2008). Diversity of Fish Nematodes- *Indocucullanus faustii* n.sp. (nematoda: *Cucullamidae*) from Meerut- Delhi region, India. *Journal of Natural Resources and Development*: **3(2)** : 96-01
15. D.K. Chauhan, Shashi Ruhela, Divya Singh, Juhi Rani and S.S.Lal (2008). Immunopathological alternations in spleen of *Ascaridia galli* infected and cadmium exposed white leg horn chicks. *Journal of Natural Resources and Development*. **3(2)**: 81-90
16. Neeru, Aditya Chauhan, D.K. Chauhan, A.K. Khare and N.M. Malhotra (2009). Haematological modulation in albino rat (*Rattus norvigecus*) induced by nitrogen dioxide gas inhalation. *Journal of Experimental Zoology*. **12(1)** : 175-177
17. Nawab Singh, Dushyant Kumar Chauhan, A.K. Khare and N.M. Malhotra (2009). Diversity of fish nematodes- *Spironouralaliin.sp.* from Delhi region. *J. Exp. Zool. India* **12(2)** : 341-344
18. Dushyant Kumar .Chauhan, Monika yadav, P.K.Sharma and S.S.Lal (2010). Immunotoxicological changes in spleen of W.L.H. chicks by *Ascaridia galli* infection and cadmium acetate treatment. *Bioresources for rural livelihood* **1**: 77-83

19. Nawab Singh, Dushyant Kumar Chauhan, A.K. Khare (2010). Diversity of fish nematodes- *Echinocephalus chengii n.sp.* (nematoda : *Spirurida, gnathostomatidae*) from Meerut- Delhi region. *J. Exp. Zool. India* **13(2)** : 587-591
20. Baburam, Hridayash Arya, D. K. Chauhan and S. S. Lal (2011). Epidemiology and Risk factors of Hepatitis B in Western U.P. *Trends in Life Science (India)*.**26(2)** : 79-84
21. Aditya Chauhan, D.K. Chauhan and Jyoti (2011). Impact of Endosulphan on certain Haematological parameters of *Channa punctatus*. *Trends in Life Science (India)* **26(2)** : 91-95
22. Swati, D.K. Chauhan, Jyoti and A.K. Khare (2011). Histopathological alternations in spleen of *Ascaridia galli* infected W.L.H. chicks treated with Albandazole. *Trenda in Life Sciences (India)*. **26(2)**: 73-78
23. Padam Singh, D.K. Chauhan, and N.M. Malhotra (2011) Hepato-toxicity of Endosulfan in Teleost fish *Clarias batrachus*. *Trends in Life Sciences (India)*. **26(2)** : 55-59
24. Nawab Singh, D.K. Chauhan, M. Irfan, S. S. Lal and A. K. Khare (2011). Diversity of fish nematode- *Contracaecum indicus n.sp.* (Nematoda : *Ascaridida, Anisakidae*) from Meerut- Delhi region (India).*Journal of Natural Resource and Development* **6(1&2)** : 53-57
25. Nawab Singh Dushyant Kumar Chauhan, M. Irfan, S. S. Lal and A. K. Khare (2011). Diversity of fish nematode- *Paranisakis levini n.sp.* (Nematoda : *Enoplida, Aniskidae*) from Meerut- Delhi region (India). *Journal of Natural Resource and Development* **6(1&2)** : 61-65
26. Nawab Singh, Tikam Singh, Dushyant Kumar Chauhan and A. K. Khare (2013). Diversity of fish nematode- *Spinitectus darwini n.sp.* (Nematoda : *Spirurida, Cystidicolidae*) from Meerut- Delhi region (India).*J. Exp. Zool. India* **16(2)** : 591-595
27. Neeru, D. K. Chauhan and N.M. Malhotra (2013). Studies on pathological alternations in liver of nitrogen dioxide exposed Albino rat. *Journal Exp. Zool. India*. Vol. **17 (1)** : 281-283
28. Neeru, Dushyant Kumar Chauhan and N. M. Malhotra (2014). Studies on pathological alteration in liver of Nitrogen dioxide exposed Albino Rats. **17(1)** : 281-283

29. D. K. Chauhan, Mamta and S. S. Lal (2014). Immunopathological Effects of *Ascaridia galli* Infection on Spleen by Chicks Induced by Albendazole Treatment. *J. Nat. Res. & Dev.* 10(1) 1-6. (ISSN- 0974-5033).
30. Neetu and D.K. Chauhan (2015). Actenosporean stage (Myxozoa) from freshwaters of Meerut Region- II. *J. Exp. Zool. India.* **18(2)**
31. Neetu and D.K. Chauhan (2015). Study on some Actinospreans (Myxozoa) from Meerut region- I. *J. Exp. Zool. India.* **18(2)**
32. D. K. Chauhan and Anita Singh (2015). Haematological Changes in primary and Secondary Immune responses in experimental Ascariasis. *J. Nat. Res. & Dev.* 10(1) 62-71. (ISSN- 0974-5033).
33. D. K. Chauhan, Mamta and S. S. Lal (2015). Haematological Changes in primary and Secondary Immune responses in experimental Ascariasis. *J. Nat. Res. & Dev.* 10(1) 62-71. (ISSN- 0974-5033).
34. D. K. Chauhan, Jyoti Saini, and Aditya Chauhan (2015). Impact of Endosulfan on Certain Hematological Parameters of *Channa punctatus*. *Voyager* Vol. VI. 33-39. (ISSN-0976-7436).
35. D. K. Chauhan and Juhie Agarwal (2017). Immunopathological modulation in Thymus of W. L. H. Chick along with Cadmium toxicity. *Biochem. Cell. Arch.* Vol. 17, No. 1, 309-311. (ISSN-0972-5075).
36. Nikunaj Bhardwaj, Priyavrit Chauhan & Dushyant Kumar Chauhan (2018). Presence of Saliva *Hispanica* L. Seed From Weaning is Able to Mitigate and Prevent the Altered Lipid Metabolism and Glucose Homeostasis in Adult Off Spring (Exposed to a Nutritional Challenge From Utero to Adulthood). *Scholarly Research Journal of Interdisciplinary Studies (SJIF)* Vol. 5/43. (ISSN-2278-8808).
37. Nikunaj Bhardwaj, Priyavrit Chauhan & Dushyant Kumar Chauhan (2018). Susceptibility of Mice Intended for *Escherichia coli*, *Pseudomonas aeruginosa*, *Salmonella enteritidis* and *Staphylococcus aureus* Infection. *Scholarly Research Journal of Interdisciplinary Studies (SJIF)* Vol. 5/43. (ISSN-2278-8808).

38. Neetu, D. K. Chauhan and Sangeeta Pal (2018). Triactinomyxon (Actenosporean Stage, Myxozoa) From Fresh Waters of Meerut Region. *Journal of Natural Resources and Development* 13(1) 65-68, (ISSN-0974-5033).
39. D. K. Chauhan, Mohammad Irfan, Payal Bajharia, Jyoti Saini, and Pooja Chauhan (2018). Immunopathological Alterations in Thymus Induced by Cadmium Acetate in Kuroiler Chicks. *Journal of Natural Resources and Development* 13(1) 99-104, (ISSN-0974-5033).
40. Hina Qamar, Mohd Owais, D.K. Chauhan, Sumbul Rehman (2019) Isolation of bacteriophages from untreated sewage water against multi-drug resistant *E.coli* - An initiative to fight against drug resistance. *BMC Microbiology*. <https://doi.org/10.21203/rs.2.9474/v1>.
41. Hina Qamar, Sumbul Rehman and D.K. Chauhan (2019) Current Status and Future Perspective for Research on Medicinal Plants with Anticancerous Activity and Minimum Cytotoxic Value. *Current Drug Targets*. 20, 000-000. **DOI:** [10.2174/138945012066619029120314](https://doi.org/10.2174/138945012066619029120314).
42. Anju, Girima Nagda, D.K Chauhan, Haematologicakl altaerations in Kuroiler Chicks Exposed to Cadmium Acetate,. *Advances in Zoology and Botany* 8(3): 181-187, 2020, DOI: 10.13189/azb.2020.080314
43. Nikunj Bhardwaj, Shashank Rana, Dushyant Kumar Chauhan and Divya Singh, *Biochemical Cell. Arch.* Vol. 20, No. 1, 2020 ISSN 0972-5075
44. Hina Qamar, Sumbul Rehman, Ashok Kumar Tiwari, Vikramaditya Upmanyu, Green Synthesis , Characterization and Antimicrobial Activity of Copper Oxide Nanoparticle derived from *Momordica charantia*. *International Journal of Nanomedicine* 2020:15 2541-2553
45. Nikunj Bhardwaj, Shashank Rana, Dushyant Kumar Chauhan and Divya Singh. Homology Modeling of serotonin receptor (5-HT Receptor) from (*Mus musculus*) using in silico approach. *Biochemical Cell. Arch.* . Vol. 20, No. 1, 2020 ISSN 0972-5075
46. Molecular dynamics study for observation of impact of Fluoxetine on 5HT1B-Mouse. *Biochemical Cell. Arch.* . Vol. 20, No. 1, 2020 ISSN 0972-5075
47. Shweta Jain Dushyant Kumar Chauhan. Hematological alterations in Black rat (*Rattus rattus*) induced by bromadiolone. *Journal of Natural Resource and Development* 16 (1) 63-67, 2021. ISSN-0974-5033

48. Hina Qamar and D.K Chauhan. Protective efficacy of novel nanoparticloes based vaccine against Newcastle disease. Biochem. Cell. Arch. Vol. 21, No.2, October 2021.
49. Neetu and Dushyant Kumar Chauhan. (2022) Renal and hepatic inflection induced by methyl parathion on *Channa punctatus*. J. Exp. Zool. India. Vol. 25, No. 1, January 2022
50. Seema Rani, Seema Sharma, Shivani Yadav, Ruhi Tomar, D.K Chauhan. (2022) Biochemical modulations in hypoglycemic albino rat along with micronutrients. Biochem. Cell. Arch. Vol. 22, No.1, April 2022.

Date:

Place:

(Dr. Dushyant Kumar Chauhan)