

Brief Review of work done

Name		Anil Kumar Tyor	
Educational Qualifications		M.Sc. Ph.D. in Zoology	
Field of specialization :		Fish and Fisheries	
Present designation		Associate Professor	
Date of joining Kurukshetra University		November 16, 2006	
Total Teaching/Research experience in years		Post Graduate Classes	Research
	Total	19 years	20 years
	Since November 2006	16 years	20 years
Refresher course/trainings etc	Orientation programme	01	
	Refresher Courses	01	
	Short term training courses	01	
Research projects & Mobilization of External Funding	Completed	Total	01 (KUK minor research project)
Research Publications : 28 Highest impact Factor : 3.59 (Cite Score 5.2) Scopus Indexed :17			
Contribution to Human Resource Development			
Guided the research work of M.Phil Students		05	
Guided the research work of Ph.D Students		05	
Seminar/ Conferences/Workshop/Refresher Courses Organised (Since November 2006)		14	
Seminar/ Conferences attended (Since November 2006):		40	
Work Done in corporate sector	<ul style="list-style-type: none"> • Warden at Arjun Hostel from 2015 to 2017 • Co coordinator Rostrum Public Speaking contest • Presiding Officer during Assembly Elections 		
Co- curricular Activities	<ul style="list-style-type: none"> • President Zoological Association • Organisation of wild life week • Educational tours/trips and Plantation drive • Judge in several contests like Declamation contest, essay writing, Best out of the waste,Poster making in Different Departments 		
Memberships	<ul style="list-style-type: none"> • Member UG and PG Board of studies in Zoology (Time to time) • Member Adnoc committee of studies in Forensic Science • Remained member selection committee as subject expert during interviews • Life Member Indian Electron Microscope Society of India • Member Society for Natural and Applied Sciences 		

LIST OF PUBLICATIONS

1. Johal, M.S., Tandon, K.K., Rawal, Y.K. and **Tyor, A.K.** 2001. Species richness of fish in relation to environmental factors. *Current Science*. 80(4):499-501
2. Johal, M.S., Tandon, K.K., **Tyor, A.K.** and Rawal, Y.K. 2002. Fish diversity in different habitats in the streams of lower middle Western Himalayas. *Polish Journal of Ecology*. 50(1):45-56.
3. Chopra, G., **Tyor, A.K.**, Kumari, S. and Babbar, D.R. 2012. Status and conservation of avian fauna of Sultanpur National Park Gurgaon, Haryana (India). *Journal of Applied and Natural Science*. 4 (2): 207-213.
4. **Tyor, A.K.**, Fulia, A and Sharma, R.K. 2012. Impact of Paper Mill Effluent on the Survival and Hatchability of Eggs of *Cyprinus carpio*. *Research Journal of Environmental Toxicology* 6(2):33-41.
5. **Tyor, A.K.** and Chawla, D. 2012. Survey and study of phytoplankton ecology in Sukhna lake, Chandigarh, (India). *International Journal of Applied Biology and Pharmaceutical Technology*. 3(2): 229-238.
6. **Tyor A.K.**, Fulia, A. and Sharma, R.K. 2012. Anomalies in *Cyprinus carpio* Larvae Exposed to Paper Mill Effluent. *Journal of Biological Sciences*. 12(5):321-326.
7. Chopra, G.C., **Tyor, A.K.** and Aggarwal, N. 2013. Biodiversity and community composition of phytoplankton in three lentic water bodies of different human use. *International Journal of Environmental Science*. 3(5)
8. Tanwar, S. and **Tyor, A.K.** 2014. Assessment of Physico-chemical Characteristics of Recreational Lake Tilyar, Rohtak (Haryana) India. *International Journal of Pure and Applied Bioscience*. 2(2): 204-212.
9. Tanwar, S. and **Tyor, A.K.** 2014. Study of Plankton Diversity in Recreational Lake Tilyar Rohtak (Haryana) India
10. Chopra G., **Tyor, A.K.**, Aggarwal, N. 2014. Physico-Chemical Characteristics of Religious Pond: A Case Study of Kapal Mochan, Yamunanagar. *International Journal of Innovative Research and Studies*. 3(2): 416-423.
11. Chawla, D. and **Tyor, A.K.**, 2014. MORPHOLOGY OF BUCCOPHARYNGEAL CAVITY OF TWO SPECIES OF GENUS HYPOPTHALMICTHYS. *International Journal of Applied Biology and Pharmaceutical Technology*. 5(2): 46-51.
12. Chawla, D. and **Tyor, A.K.** 2014. Morphology and morphometry of buccopharyngeal cavity and pharyngeal dental apparatus of *Chagunius chagunio* (Hamilton 1822). *Journal of Morphological Sciences*. 31(4):202-206
13. Chopra, C., **Tyor, A.K.**, Kumari, S. 2015. Diversity of Rotifers in Shallow Lake of Sultanpur National Park, Gurgaon (Haryana). *Proceedings of the Zoological Society* 68(1)
14. **Tyor, A.K.** and Harkrishan. 2016. Effects of imidacloprid on viability and hatchability of embryos of the common carp (*Cyprinus carpio* L.). *International Journal of Fisheries and Aquatic Studies*. 4(4): 385-389.
15. **Tyor, A.K.** and Kumari, S. 2016. Biochemical Characterization and Antibacterial Properties of Fish Skin Mucus of Fresh Water Fish, *Hypophthalmichthys Nobilis*. *International Journal of Pharmacy and Pharmaceutical Sciences*. 8(6): 132-136.
16. **Tyor, A.K.** and Devi, P. 2017. Ecological Studies of Barwala Link Canal in Narwana Region, Haryana. *Current World Environment* 12(1):116-123

17. **Tyor, A.K.** and Pahwa, K. 2017. Histopathological Effects of Paper Mill Effluent in the Kidney of Freshwater Fish, *Labeo Rohita*. *Journal of the Inland Fisheries Society of India*. 48(1): 14-20.
18. **Tyor, A.K.** and Pahwa, K. 2017. Ovarian Development of African Sharptooth Catfish (*Clarias gariepinus*, Burchell 1822) from Delhi Segment of River Yamuna. *Journal of Fisheries and Aquatic Science*. 12(3): 117-126.
19. **Tyor, A.K.** and Pahwa, K. 2017. Pollutants Induced Oxidative Stress, DNA Damage and Cellular Deformities in *Clarias gariepinus* (Burchell) from River Yamuna in Delhi Region, India. *Bulletin of Environmental Contamination and Toxicology*. 99(1): 33-38.
20. **Tyor, A.K.** and Pahwa, K. 2018. Testicular Oxidative Stress and Cellular Deformities in *Clarias gariepinus* (Burchell) from River Yamuna in Delhi Region. 100(5): 659-664.
21. Rani, A., Babbar, D.R. and **Tyor, A.K.** 2019. Morphometrics Analysis of Sagitta Otolith in Pool Barb, *Puntius sophore* (Hamilton, 1822). *Journal of Morphological Sciences* 36(2)
22. Kumari, S., **Tyor, A.K.** and Bhatnagar, Anita (2019). Evaluation of the antibacterial activity of skin mucus of three carp species. *International Aquatic Research (Springer)* 11:225–239. <https://doi.org/10.1007/s40071-019-0231-z>
23. Harkrishan, Saraf, P., **Tyor, A. K.** and Bhardwaj J. K. 2020. Effect of Imidacloprid on histopathological Alterations of Brain, Gills and Eyes in hatchling carp (*Cyprinus carpio*L.) *Toxicology International* 27(1&2), 70-70.
24. Bhardwaj J.K, Harkrishan and **Tyor, A K.** 2020. Imidacloprid Induced Alterations in Behavioral and Locomotory Activity of Fingerlings of Common carp, *Cyprinus carpio*-*Toxicology International* 27(3and4),158-167.
25. Bhardwaj J.K, Harkrishan and **Tyor, A.K.** 2020. sublethal effects of imidacloprid on haematological and biochemical profile on fresh water fish, *cyprinus carpio*. *J adv zoo*. 2020 41 (1 and 2) 75- 88.
26. Pahwa Kanika, Sharma, R.K. and **Tyor A.K** -2021 . Some life history Traits with refrence to Gonadal cyclicite of invasive African sharp toothcatfish, *clarias gariepinus* from River Yamuna in Delhi Region, India *Journal of scientific Resench* 65(2), 2021, 17-24.
27. Bhardwaj J.K, Harkrishan and **Tyor, A.K.** 2022. The Toxicity of Imidacloprid on Early Embryonic Stages and Growth Rate of Hatchlings of Common Carp,*Cyprinus carpio* *Toxicology International*, 29(1) : 105-115.
28. **Bhatnagar, Anita**, Kumari Sunil and Tyor Anil Kumar. 2023. Assessment of bactericidal role of epidermal mucus of *Heteropneustes fossilis* and *Clarias batrachus* (Asian cat fishes) against pathogenic microbial strains.*Aquaculture and Fisheries*,8:58-58. <https://doi.org/10.1016/j.aaf.2021.08.010> (Published online in 2021)