

Curriculum Vitae

1. Name & full correspondence address: Saheli Kumar

Research Fellow
Fish Endocrinology Research Unit
Dept. of Zoology,
University of Calcutta
35, Ballygunge Circular Road,
Kolkata- 700019
West Bengal



- 2. E-mail** : sahelikumar8@gmail.com
3. Contact Number (s) : +919831223860/7003117009
4. Institution : University of Calcutta
5. Date of Birth : 19th November, 1992
6. Gender (M/F) : Female
7. Category (General/SC/ST/OBC) : General
8. Whether differentially disabled : No

9. Academic qualification

	Degree	Year	Subject	University/Institution/Board	% Of marks
1.	Secondary	2009	Beng,Eng, Maths, Physical Sc.,Life Sc., Geography, History	WBBSE	78.7%
2.	Higher Secondary	2011	Beng, Eng, Maths, Phys, Chem, Bios, Envs	WBCHSE	66.5%
3.	B.Sc	2014	Zoology	University Of Calcutta	75.25%
4.	M.Sc	2016	Zoology	University Of Calcutta	83.4%

10. Professional Recognition/Award/Prize/Certificate, Fellowship received by the applicant.

S. No.	Name of award	Awarding agency	Year
1.	College topper in B.Sc	Victoria Institution For Girls, University Of Calcutta	2014
2.	4 th Rank in M.Sc	University Of Calcutta	2016
3.	SET	West Bengal College Service Commission	2017
4.	RET	University Of Calcutta	2018

11. Work experience

Position Held	Name of the Institute	From	To
Guest teacher (M.Sc, Zoology)	Diamond Harbour Womens University	August, 2018	July, 2019

12. Publications (List of papers published in SCI Journals, in year wise descending order)

Sl. No.	Authors	Title	Journal	Volume	Page	Year
1.	Moniruzzaman, M., Kumar, S. , Mukherjee, M., & Chakraborty, S. B.	Delineating involvement of MAPK/NF- κ B pathway during mitigation of permethrin-induced oxidative damage in fish gills by melatonin	Environmental Toxicology and Pharmacology (IF: 4.3)	104	104312	2023
2.	Moniruzzaman, M., Mukherjee, M., Kumar, S. & Chakraborty, S. B.	Effects of salinity stress on antioxidant status and inflammatory responses in females of a "Near Threatened" economically important fish species <i>Notopterus chitala</i> : a mechanistic approach	Environmental Science and Pollution Research (IF: 5.190) ISSN- 1614-7499	137	1-12	01.06.2022
3.	Kumar, S. , Moniruzzaman, M., Chakraborty, A., Sarbajna, A., & Chakraborty, S. B.	Crosstalk between heat shock proteins, NRF2, NF- κ B and different endogenous antioxidants during lead-induced hepatotoxicity in <i>Puntius ticto</i> .	Aquatic Toxicology (IF: 5.202) ISSN- 0166-445X	233	105771	04.02.2021
4.	Kumar, S. ,	Enzymatic, non	Ecotoxicology	202	110954	01.10.2020

	Moniruzzaman, M., Das, D., Sarbajna, A., & Chakraborty, S. B.	enzymatic antioxidants and glucose metabolism enzymes response differently against metal stress in muscles of three fish species depending on different feeding niche.	and Environmental Safety (IF: 7.129) ISSN- 1090-2414			
5.	Paul S., Kumar S, Moniruzzaman M., Chakraborty S.B.	Oxygen consumption of <i>Mystus gulio</i> under combined stress of varying salinity and temperature	Thalassas: An international journal of Marine Sciences (IF: 0.951) ISSN- 2366-1674	35	155-160	15.08.2018
6.	Mukherjee M, Moniruzzaman M, Kumar S, Das D& Chakraborty SB	Neuronal and Oxidative Damage in the Catfish Brain Alleviated After Mucuna Seed Extract Treatment.	International Journal of Pharmacognosy and Phytochemical Research (IF: 1.334) ISSN- 0975 4873	9	52-57	15.01.2017
7.	Kumar S, Moniruzzaman M, Mukherjee M, Das D& Chakraborty SB	Mucuna Seed Extract Treatment Alleviates SDS- Induced Oxidative Stress and Neuronal Damage in Carp Brain.	International Journal of Pharmacognosy and Phytochemical Research (IF: 1.334) ISSN- 0975 4873	8	1669-1674	15.10.2016

13. Computer workshop

No.	Title	Year	Organizer
-----	-------	------	-----------

1.	10-Day online Hands-on Training on Statistical Methods and SPSS	2022	SIAS-Spark Institute of Advanced Science, Kerala
----	---	------	--

14. Presentation/ Abstract Publication:

- i. **Kumar S**, Moniruzzaman M, Mukherjee M, Das D & Chakraborty SB. (2016). Mucuna Seed Extract Treatment Alleviates SDS-Induced Oxidative Stress and Neuronal Damage in Carp Brain. IJPPR. 8: 1669-1674. UGC-sponsored national seminar on Recent advances on Biological Sciences at Gurudas College.
- ii. **Kumar S** & Chakraborty SB. (2018). Pesticide induced toxicity in gills of *Notopterus sp.*- Study on some enzymatic and non-enzymatic stress markers. 4th International Conference for Environment and Ecology held at Gauhati University, Guwahati, Assam.
- iii. Sarbajna A, **Kumar S** & Chakraborty SB. (2019) Consequences of metal accumulation on antioxidant status in muscle of an indigenous fish species of Indian Sunderban. National Conference on "Future India: Science and Technology" 27th& 28th February, 2019.
- iv. **Kumar S** & Sarbajna A. (2020). Consequences of metal toxicity on oxidative stress in fish muscle: Linking oxidative biomarkers to mitochondrial enzymes. Two-Day National Conference on Science and Technology: Rural Development". ISCA Kolkata Chapter & Surendranath College.
- v. **Kumar S** & Chakraborty SB. (2021). Delineating involvement of MAPK/NF- κ B pathway during mitigation of permethrin induced oxidative damage in fish gills by melatonin. International Conference on 'Mechanistic and Therapeutic Approaches in Human and Animal Health' 6th and 8th December, 2021. Organised by: Department of Zoology, Cooch Behar Panchanan Barma University, West Bengal, India.
- vi. **Kumar S** & Chakraborty SB. (2022). Effect of heavy metal Zn on hypothalamo-pituitary-gonadal axis of an indigenous fish species *Mystus vitattus*. One-day national seminar on "Only One Earth: Our One Environment" organised by the School of Sciences, Netaji Subhas Open University, West Bengal, India.

15. Major Research Interest:

- i. Fish Reproductive Biology
- ii. Fish Reproductive Biology
- iii. Stress Physiology of fish

- iv. Neuroendocrinology of fish
- v. General and Comparative Endocrinology

16. Current Engagement:

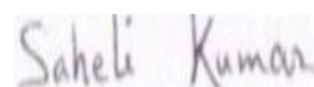
Currently I am working as research fellow in Fish Endocrinology Research Unit, University of Calcutta.

17. Independent thinking, leadership qualities, and capacity to transfer of knowledge:

- i. Currently guiding the Master degree students in their dissertation. The planning of experiments and leading the students at the time of work was also done in last one year.
- ii. Experience has also been achieved in preparation of research projects.
- iii. Preparation of manuscript for published papers in peer reviewed journals.
- iv. Delivered symposium/ seminar lectures as platform presentation in national seminar and symposium.

Declaration: I hereby declare that the information I have given above are true and authentic as per best of my knowledge.

Place: West Bengal, India



Signature