

Name: Dr. Sumana Das

Designation: Associate Professor

Qualification: M.Sc., Ph.D

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M.Sc.: University of Kalyani, 2000

Specialization: Endocrinology and Reproductive Physiology

Colleges served: Kalimpong College (13.1.2004-2.1.2007)

Maulana Azad College, Kolkata (4.1.2007-11.2.2014)

Krishnagar Govt.College (13.2.2014-till date)

Research Area: Endocrine disrupters, Molecular Endocrinology, stress physiology

Research Project:

Effects of phenol and cadmium on oxidative stress parameter as a function of ovarian steroidogenesis in common carp <i>Cyprinus carpio</i>	UGC-Minor Research Project PSW-068/09-10	
The effect of cadmium chloride on novel estrogen membrane receptor GPR30 and oocyte maturation in common carp <i>Cyprinus carpio</i>	UGC –Minor Research Project PSW-091/15-17	

Publications:

Das S, Mukherjee D (2013) Effect of cadmium chloride on secretion of 17β -estradiol by the ovarian follicles of common carp, *Cyprinus carpio*. Gen Comp Endocrinol 181:107–114. **I.F. 3.2**

Das S, Majumder S, Mukherjee D (2013) Effect of Phenol on Ovarian Secretion of 17β -Estradiol in Common Carp *Cyprinus carpio*. Arch Environ Toxicol 65:132–141. **I.F. 3.0**

Suravi Majumder, **Sumana Das**, Sujata Roy Moulik, Buddhadev Mallick, Puja Pal, Dilip Mukherjee (2014). Expression of G protein- coupled estrogen receptor (GPER) and its involvement in the 17β - estradiol-induced regulation of oocyte maturation in *Cyprinus carpio*. Gen. Comp. Endocrinol 211:28-38. **I.F. 3.2**



Sumana Das, Suravi Majumder, Shreyasi Gupta, Sharmistha Dutta, Dilip Mukherjee (2016). Effects of phenol on ovarian P450arom gene expression and aromatase activity in vivo and antioxidant metabolism in common carp *Cyprinus carpio*. *Fish Physiol Biochem* 42 (1): 275-86. **I.F. 3.0**

Sreyashi Gupta, Sujata Roy Moulik, Puja Pal, Suravi Majumder, **Sumana das**, Payel Guha, Subir kumar Juin, Ashis Kumar Panigrahi, Dilip Mukherjee (2017) Estrogen regulated expression of cyp19aa and cyp19a1b genes in swim up fry of *Labeo rohita*. *Gen Comp Endocrinol* 251 85-93 **I.F 3.2**

S Das (2017) In vivo effects of cadmium chloride on antioxidant metabolism in sexually mature common carp *C. Carpio*. *Bioscience Discovery* 8(3), 457-468

S Das (2018) In vivo effects of cadmium chloride on cytochrome P450 aromatase gene expression and aromatase activities in ovary and brain in sexually mature common carp *Cyprinus carpio*. *Conscientia* (ISSN 2278-6554) Vol VI

Seminar/ Symposium/ Workshop attended:

Workshop on Understanding Cladistics” in Postgraduate Department, Maulana Azad College, Kolkata, west bengal. 4th January, 2010

A UGC Sponsored National Workshop on “Understanding Biodiversity Assessment Analysis and Conservation, 25thFeb-27th Feb, 2011 Maulana Azad College, **Kolkata**, West Bengal, India.

A short term course on Bioinformatics in Genomics, Proteomics and Metabolomics, September 23-24, 2011, **Khragpur IIT**, West Bengal, India

Poster presentation on “Impairment of steroidogenesis in female common carp *Cyprinus carpio* by cadmium chloride: a study on ovarian P450 arom gene expression and aromatase activity” In 99th Indian Science Congress 2012, **Bhubaneswar, India**.

Oral presentation on “Impairment of steroidogenesis in female common carp *Cyprinus carpio* by cadmium chloride: A study on probable mechanism” In The **International** Symposium on Comparative Endocrinology and stress physiology, 2012, **Thiruvananthapuram, Kerala, India**

Poster presentation on “Effect of cadmium chloride on ovarian P450 arom gene expression in Common carp *Cyprinus carpio*” In the 17th International Congress of Comparative Endocrinology, 2013, **Barcelona, Spain**.

Oral presentation on “Recirculating Aquaculture System (RAS): A sustainable method for the intensive rearing of fish” In UGC-sponsored **National** Seminar on Conservation of Biodiversity and natural Resources in sustainable Development’ 6-7 September, 2016, **Acharya Prafulla Chandra College, New Barrackpore**.

Poster presentation on ‘**Potential reproductive biomarkers of environmental estrogen in fish**’ In UGC-sponsored National seminar on ‘Recent advances in Biological sciences’ 17-

18th February 2017, Gurudas College, Kolkata

Awards and Recognition:

Received 'Siksharatna Award', 2022, from Department of Higher Education, Government of West Bengal