



NAME : ANIRUDDHA CHATTERJEE
DESIGNATION : ASSISTANT PROFESSOR
QUALIFICATIONS : M.SC, NET, SLET, Ph.D
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TEACHING AREA : Cell Biology, Animal Physiology and Biochemistry, Comparative Anatomy of Vertebrates, Endocrinology and Reproductive Biology, Fish and Fisheries
TEACHING EXPERIENCE : 8 years as on 1/7/2021
RESEARCH AREA : Molecular Endocrinology and Toxicology, Online Teaching-Learning

PUBLICATIONS

RESEARCH PAPERS

- **Chatterjee A** (2020). Bioethics from an Indian Perspective: Principles of Ayurveda and the Contemporary Medical Scenario. *Journal of humanities and social sciences*. 17: 39-54. ISSN: 0973-8738.
- **Chatterjee A** (2018). Genetic and Molecular Basis of Internet Addiction: An Overview. *Int. J. Eng. Sc. Maths*; 7: 135-140. ISSN: 2320-0294.
- Saha, I., **Chatterjee, A.**, Chakraborty, S.B., Chatterji, U. and Maiti, B. R. (2018) Arecoline inhibits pineal-testis function in experimentally induced hypothyroid rats. *Arch. Physiol. Biochem.* 13:1-9. ISSN: 0373-5893(Print) 0974-6919 (Online)
- **Chatterjee A** and Chatterji U (2017). All-Trans Retinoic Acid Ameliorates Arsenic-Induced Oxidative Stress and Apoptosis in the Rat Uterus by Modulating MAPK Signaling Proteins. *J. Cell. Biochem.* 118: 3796-3809. ISSN: 1097-4644. ISSN: 0730-2312 (Print) 1097-4644 (Online)
- Saha I, **Chatterjee A**, Chatterji U, Maiti BR (2017). Arecoline cannot alter testicular dysfunction and pineal activation caused by noise in wistar rat. *Arc. Physiol. Biochem.* 1-9. ISSN: 0373-5893(Print) 0974-6919 (Online)
- Ray PP et al (2016). Noise Induces Hypothyroidism and Gonadal Dysfunction Via Stimulation of Pineal-Adrenal Axis in Chicks. *Proceedings of the Zoological Society.* 71:30-47. ISSN: 0373-5893(Print) 0974-6919 (Online)
- Dasgupta R, **Chatterjee A**, Sarkar S, Maiti BR (2016). Arecoline aggravates hypothyroidism in metabolic stress in mice. *Arc. Physiol. Biochem.* 123: 105-111. ISSN: 0373-5893(Print) 0974-6919 (Online)
- Dasgupta R, Chatterjee A, Sarkar S, Maiti BR (2016). Arecoline aggravates hypothyroidism in metabolic stress in mice. *Arc. Physiol. Biochem.* 123: 105-111.
- Datta R K et al., (2013). Histological study of gut structure in herbivorous and omnivorous fish. *Indian Journal of Social and Natural Sciences.* 2:
- Acharya K, Chatterjee S, Biswas G, **Chatterjee A**, Saha GK (2012). Hepatoprotective effect of a wild edible mushroom on carbon tetrachloride-

induced hepatotoxicity in mice. *International Journal of Pharmacy and Pharmaceutical Sciences*. 4: 285-288.

- **Chatterjee A** and Chatterji U (2011). All-trans retinoic acid protects against arsenic-induced uterine toxicity in female Sprague-Dawley rats. *Toxicol. Appl. Pharmacol*; 257: 250-263. ISSN: 0041-008X
- Saha I, **Chatterjee A**, Mondal A, Maiti BR, Chatterji U (2011). Arecoline augments cellular proliferation in the prostate gland of male Wistar rats. *Toxicol. Appl. Pharmacol*; 255: 160-168. ISSN: 0041-008X
- Pradhan D, Saha I, **Chatterjee A**, Mondal A, Sarkar S, Maiti BR (2011). Alterations of circadian rhythms of thyroid-stimulating hormone, thyroid, adrenal and insulin hormones, and blood glucose profiles following lithium treatment in alternate Light-Dark, constant Light and constant Dark regimens in rats. *Biological Rhythm Research*; 1-22. ISSN: 0929-1016 (Print) 1774-4179 (Online)
- **Chatterjee A** and Chatterji U (2010). Arsenic abrogates the estrogen signaling pathway in the rat uterus *Reprod. Biol. Endocrinol*; 8: 80-91. ISSN: 1477-7827.
- Chowdhury M, **Chatterjee A**, Mondal A, Chatterji U (2010). Ovaprim abrogates expression of GnRH Receptor- II in the Indian catfish. *International Journal of Biology*, 2: 189-198. ISSN: 1916-9671 (Print) 1916-968X (Online)
- Maiti BR, Sarkar S, Sarkar R, Sengupta S, Pradhan D, **Chatterjee A** (2010). Inhibition of thyroid and extra-thyroid T3, T4 and thyroperoxidase profiles with elevation of TSH following lithium treatment in adult and aged rats. *Acta. Endocrinol*. 6: 171-180. ISSN: 1841-0987 (Print) 1843-066X (Online)

● **Research Projects:**

	Title of Work	Fund	Session		Funding Agency/Institution
1.	"Online Teaching-Learning and associated factors in the Wake of COVID-19 Pandemic: A Study across Higher Education Institutions of West Bengal".	0.25 Lakhs	2020-21	Joint Investigator	Scottish Church College
2.	Assessing The Chemical And Microbial Content Of Drinking Water And Drain Out Water Of a Nearby School and the College	6.00907 Lakhs	2016-18	Team Member	United Board of Christian Higher Education in Asia
3.	Green Campus: Audit, Assessment cum Training for Students	0.72667 Lakhs	2015-16	Team member	United Board of Christian Higher Education in Asia

• **Book Chapters**

TITLE OF THE CHAPTER	TITLE OF THE BOOK	YEAR, VOLUME, NO.	ISSN / ISBN	NAME OF PUBLISHER
A Brief Exposition on Online Teaching Learning and the Digital Divide in the Higher Education System of India during the Covid-19 Pandemic: Aniruddha Chatterjee and Varbi Roy	Covid -19 Crisis in India	Accepted for Publication in June 2021		Dr. Dhiraj Singh
A behavioural perspective on the biophysics of the light-dependent magnetic compass in animals: A mini Review	Biophysics: Impact on today's society	2017, Volume 1	978-93-84652-12-8	Book Bazar
Recent Advances in Poultry Production with Application of Probiotics: An Overview	Recent Advances in Biological Sciences	2017, Volume 1	978-93-86526-31-1	Power Publishers

Books: Zoology in Laboratory (Vol-I). Majumder S, Bhowal A, **Chatterjee A** and Saha I. 2020. Published by Santra Publishers, Kolkata. ISBN: 978-81-948683-1-6

Invited Lectures:

Date	Title of the paper	Title of Conference	Organised by
31/08/2020	Neural Integration	Orientation Course in Fundamentals of Physiology and Biochemistry	Bangabasi Morning College, Kolkata
15/10/2020	Neurotransmission and its modulation: Role of Drugs and toxins	Intra-Departmental Teacher-Student Webinar Series	Sarsuna College, Kolkata

Papers presented in Conferences, Seminars, Workshops (2014-15 onwards)

Date	Title of the paper presented	Title of Conference/Seminar	Organised by	Whether International/National/State/Regional/College or University Level
01.07.14 – 30.06.15	Effects of Inorganic Arsenic on the Rat Uterus and Development of a Therapeutic Strategy Using All-trans Retinoic Acid	Environmental Impacts on Health : Towards a Better Future	Bangabasi Morning College Kolkata in Collaboration with Das Research Centre and Clinical Laboratory	National
01.07.15 – 30.06.16	A behavioural perspective on the biophysics of light-dependent magnetic compass in animals : A Mini Review; Page no 31-40	UGC sponsored National Seminar on Biophysics : Impact on today's society	Victoria Institution College	National
01.07.16 – 30.06.17	Recent advances in poultry production with application of Probiotics: An Overview	Recent Advances in Biological Sciences	Department of Microbiology, Gurudas College, Kolkata in collaboration with IICB, Kolkata	National
01.07.16 – 30.06.17	Fish as a prospective model for biomedical research	Frontiers in Translational and Regenerative Biology	Immunology and Regenerative medicine Research Unit, Department of Zoology, University of Calcutta	International
30.06.18	Incense stick, a long neglected health issue in the contemporary world	International Conference on Contemporary health and environmental impact	Sarojini naidu College	International
01.07.17 – 30.06.17	Arsenic in drinking water and associated pregnancy outcomes: Correlating	INTZOOCON	Department of Zoology, University of Calcutta	International

6.18	epidemiological and animal studies			
01.0 7.17 – 30.0 6.18	Molecular basis of Internet Addiction: An Overview	UGC CPE Sponsored National Seminar On Frontiers of Biological Sciences	Bijay Krishna Girls College	International

Faculty development programmes attended on Online Teaching Learning

Title of the professional development programme	Date and Duration (from – to)
FDP on Enhancing Soft Skills and Personality from SWAYAM NPTEL	Jan-April 2020
Work on video content creation from Marian College	15-17 April 2020
FDP national Webinar on e-content development methodology: Four quadrant model , OER and Copyright issues from GAD TLC	15-May-2020
Effective and Efficient Online Teaching in the Age of Corona, A Hands On Workshop' from IIT MUMBAI	18-20 May 2020
FDP on Moodle learning Management system from Sanatan Dharma College, Ambala	22-26 May 2020
FDP on Modern Teaching Research and Evaluation methods from GAD TLC	02-07 June 2020
FDP national Webinar on Teaching during and Post Covid times from GAD TLC	12-Jun-2020
Workshop on The BodhiTree and SAFE Tools for Effective Online Teaching: A Hands-On Workshop from IIT MUMBAI	16-18 June 2020
One Week Online Faculty Development Programme on LaTeX from Mizoram University	29th June, 2020 to 3rd July, 2020
Five Day FDP on Innovative Teaching Learning Methodologies from Coimbatore Institute of technology	06 to 10 July 2020

ACADEMIC MEMBERSHIP: Life Member of Zoological Society of Kolkata

Professional Recognition/ Award/ Prize/ Certificate, Fellowship

S.No	Name of Award	Awarding Agency	Year
1.	National Scholarship	MHRD, Government of India	2003
2.	Research Fellowship in Science for Meritorious students	UGC	2009
3.	Sudeb Bhusan Ghosh Young Scientist Award	Zoological Society Kolkata	2010
4.	Second Prize at INTZOOCON international Conference	University of Calcutta	2018

College Responsibilities:

Session	Committee member
2014-15	Admission, Sports
2015-16	Admission, Sports, Activity, RUSA
2016-17	Admission, Sports, Activity, CAS, RUSA
2017-18	Sports, CAS, RUSA, Prize,
2018-19	Sports, CAS, RUSA, ICT, NAAC, West Bengal Health Scheme
2019-20 and 2020-2021	IQAC Core committee, NAAC, CAS, RUSA, ICT, Activity Clubs, Sports, Admission, University Registration, West Bengal Health Scheme