



BARASAT GOVERNMENT COLLEGE

TEACHER'S PROFILE

DR SRIKANTA GURIA, DEPARTMENT OF ZOOLOGY

- **DESIGNATION** : Assistant Professor (Stage2)
- **QUALIFICATION** : M.Sc., Ph.D.
- **DATE OF JOINING THE SERVICE** : Dec 3, 2008
- **DATE OF JOINING THE INSTITUTION** : May 2, 2013
- **ADDRESS FOR COMMUNICATION** : AIKYATAN, FLAT NO. 3C, 3rd FLOOR, BASUNAGAR, GATE NO. 4, MADHYAMGRAM, P.O-MADHYAMGRAM, P.S- MADHYAMGRAM, DIST-NORTH 24 PARGANAS, PIN - 700129, WEST BENGAL
- **PHONE NO** : 9830286956
- **EMAIL ADDRESS** : guriasrikanta@gmail.com
- **SPECIALIZATION** : Parasitology & Immuno Biology
- **TEACHING EXPERIENCE** : Teaching experience of PG, UG is 13 years as W.B.E.S
- **COLLEGE SERVED** : 1. Darjeeling Govt. College, 3.12.2008 to 30.4.2013
2. Barasat Govt. College, 2.5.2013 Till date

ACADEMIC AND ADMINISTRATIVE EXPERIENCE

1. Darjeeling Govt. College: Served as Member of Dept examinations sub- committee 2009-10, 2010-11, 2011-12, Admission sub- committee 2010-11, Water Resource sub -committee 2010-11, Dept Dissecting Specimen committee, 2010-11, 2011-12, Dept Excursion committee, 2010-11, 2011-12, Dept Museum specimen committee ,2010-11, 2011-12, Dept library committee, 2011-12, P.G exam committee, 2012, Darjeeling Govt. College. 2. Barasat Govt. College: Served as Member of Student election committee,2014, games & sports committee 2013-14, 2014-15, 2015-16, 16-17, Student election committee,2015, Admission sub- committee 2014-15, Member of NAAC steering committee 2015-16, member of Environmental protection cell 15-16, Part III university examination committee 16-17, Internal Exam and Result Review committee16-17,17-18, Member of editorial board (Associate Editors) of the Proceedings of UGC sponsored National Seminar held on 19-20 Nov.2016, Part III university examination committee 17-18, College Library committee17-18, Treasurer and member of steering committee of UGC sponsored National Seminar held on 19-20 Nov.2016, Convener, Invitation Committee and Publication Committee of P.G. Award Confering Ceremony, held on 05.03.2018, Journal publication and seminar committee 17-18, 18-19, member of Part II University Examination Committee 2019, Environment protection and nature cell 18-19, Member of editorial board of Journal, Aureole: 2019-20, 20-21, Jt. Convener, PG admission Committee 2020-21,member of UG, CBCS SEM II and IV University exam, Member of research, innovation and extension (criteria 3) for AQAR report preparation for NAAC 2019-20, 20-21, Member of Organizing committee of International Webinar on Surviving in a Covid World: Major Issues of India by Barasat Govt. College on 3 rd September 2020, Editorial Board member of ZOOLOGICA Department of Zoology, Barasat Government College, ANNUAL MAGAZINE 2020-2021, 2021-22, Member of DBT star college committee 2021, Member of IQAC 21-22, Jt. Organizing secretary of international webinar, 1st Oct, 2021, Nodal officer of college Vaccination programme, 7 and 8 October 2021 Team leader of Criterion 3- Research, Innovations and Extension (criteria 3) for AQAR report preparation for NAAC 21-22, Member of Organizing committee of National webinar on Celebrating 100 years of Insulin Discovery: November 26, 2021. Member: PG Board of Studies, PG Dept. of Zoology, Barasat Govt. College, Joint PG Exam Co-ordinator, PG Dept. of Zoology (from 2016 till date).

TOPICS TAUGHT

: Genetics, Cell Bio, molecular bio, Microbiology, Parasitology, Immunology, Endocrinology, Reproductive Biology, Histology, Developmental Biology, Animal Physiology, Methods In Biology, Neurobiology

AREA OF RESEARCH & INTEREST

: Thyroid dysfunction and diabetes and its effect on different mammalian tissues(rat/mice), Relationship between Thyroid Peroxidase (TPO) gene polymorphism and degree of clinical manifestation in population of West Bengal, The association between pregnancy failure and alteration of menstrual cycle and type 2 diabetes mellitus in West Bengal, Association between TCF7L2 and KCNJ11 genes and T2DM in diabetic patients, peritoneal macrophage activity in rat in different experimental conditions, Study on Different Types of Haemocytes and their behaviour in Insects (Orthoptera), Alteration of Morphology, Behaviour of Invertebrate Haemocytes during toxicological exposure, effect of alloxan and Streptozotocin (STZ) in cells, Metal Induced Risk of Diabetes Mellitus, Toxicological Effects of metal on rat/ mice tissues.

ONGOING PROJECT DETAILS

: NONE

AWARD RECEIVED

1. Secured 1 st position in competitive poster presentation in National level seminar on Global Warming & Biodiversity Conservation sponsored by West Bengal Biodiversity Board, organized by Dept. Of Zoology, Raja Peary Mohan College with SEBA on 2 nd August 2019
2. Best senior scientist award for oral presentation at 24th All India Congress of Zoology & National Seminar on Biodiversity and Its Management for Food & Environmental Security & National Helminthological Congress at University of Kalyani on 24th November 2013
3. Award for outstanding paper presentation at National Symposium on Man, Animal and Environment Interaction In The Perspective Of Modern Research, organized by, Department of Zoology, University of North Bengal on March 08-09, 2013

PATENT DETAILS

: NONE

EXTRACURRICULAR ACTIVITIES

: Many awards received for Drawing & Painting from State level, District-level and local competition.

CAREER PROFILE

• I did B.Sc. (Zoology Hons.) in 2002, M.Sc. (Zoology) in 2004 from University of Calcutta. I got SLET(SET) In Life Science (2005), UGC- CSIR NET (2006). I did Ph.D. (Zoology) from University of Calcutta, Date of award=9.01.2014 (Title of the thesis-Assessment of Thyroid Peroxidase (tpo) Gene Polymorphism in Hypothyroid Patients). I was selected for Jr. Research Fellow (JRF), UGC –RFSMS, Department of Zoology, University of Calcutta. I was associated as Research Scholar in following Projects under the supervision of Professor Madhusudan Das, Dept. Of Zoology, University of Calcutta 1.Project title: Thyroid Peroxidase (TPO) gene polymorphism and its relation with thyroid dysfunction (DBT project) 2.Project title: Thyroid dysfunction and its effect on glucose homeostasis in rat (UGC minor project). Total publications in peer reviewed journal =50 (International 34, Full papers in Conference Proceedings =4) (Total Citation Index=150, h-index=5, i10-index=5), Papers presented in Conferences, Seminars=31. Abstract Published=29. I participated different seminars, symposium, webinars, online conferences, online FDP, FIP and performed different co-curricular, extension and professional development related activities and duties like educational excursions/field tour. I Performed as Paper setters and evaluator/examiner of B.Sc. and M.Sc. Theory & Practical examinations. A number of projects, reviews and dissertations as per the Post Graduate syllabus were successfully conducted and guided by me at Master's level (Parasitology and immunology special paper)and published the results of above said experiments in papers in peer reviewed journals, UGC listed journals and UGC CARE listed journals.

ACADEMIC LINK

1. <https://scholar.google.co.in/citations?hl=en&user=zskRNkMAAAAJ>
2. <https://www.researchgate.net/scientific-contributions/Srikanta-Guria-32627664>
3. <https://orcid.org/0000-0002-1674-5053>

PUBLICATION

JOURNAL PUBLICATION :

- (1) Guria S., 'Streptozotocin (STZ)-Induced Diabetes Mellitus (DM) Promotes Alteration Of Peritoneal Macrophage Morphology and Behaviour.', *Journal of Advanced Scientific Research*, 11 (3) Suppl 7: 59-63, UGC-CARE List Sr. No.-200, 201, 209, October, 2020, ISSN: 0976-9595
- (2) Guria S, 'Threats Of Arsenic On Morphological Shift Of Hemocytes Of Molluscs: A Hint Towards Arsenic-Induced Cell Death.', *ROM. J. BIOL. – ZOOLOG*, 65(1–2): 99–106. abstracted/indexed in: Thomson Reuters Master Journal List UGC-CARE List Sr. No.-342, 350, 369, WOS master listed, 44197, (ISSN 2248-3799), online (ISSN-L 1843-7761)
- (3) Guria S, 'Metal Induced Risk of Diabetes Mellitus Due to Toxicological Effects of Mercury: Influence of Environmental Threats.', *Current World Environment*, 15 (3): 470-476. WOS master listed Doi: <http://dx.doi.org/10.12944/CWE.15.3.11> , UGC-CARE List-89, Jan, 2021, ISSN: 0973-4929, Online ISSN: 2320-8031
- (4) Guria S and Chatterjee S, 'Study on Different Types of Haemocytes and Their Behaviour in Insects (Orthoptera) Collected from Navegaon and Tadoba National Park and Its Adjoining Areas.', *Int J Pharm Biol Sci*. 9 (3): 789-794. DOI: <https://doi.org/10.21276/ijpbs.2019.9.3.100>. Impact Factor: 0.88 [MCI Approved, UGC Approved Journal Google Scholar] UGC LIST JOURNAL NO. 46322, April, 2019, Online ISSN: 2230-7605, Print ISSN: 2321-3272
- (5) Guria S, Chatterjee A and Das M., 'Histological Changes of Endocrine Section of Pancreas and Liver in Streptozotocin-Induced Experimental Diabetes Mellitus.', *International Journal of Current Advanced Research*, 07(4), 11849-11852. DOI: <http://dx.doi.org/10.24327/ijcar.2018.11852.2066> Impact Factor: SJIF: 6.16 [ICI, Thomson Reuters, Google Scholar] UGC LIST JOURNAL NO.43892, April, 2018, ISSN: O: 2319-6475, ISSN: P: 2319-6505
- (6) Chakrabarti S, Guria S, Samanta I and Das M., 'Thyroid dysfunction modulates glucoregulatory mechanism in Rat.', *Ind. J Exp. Biol*, 45 (6): 549-553. impact factor=1.295, 0.835(2015) CSIR-NISCAIR, PMID: 17585691. SCOPUS, WOS, ICI, UGC LIST JOURNAL sr.NO.13216, 20769, June, 2007, ISSN.0019-5189
- (7) Balmiki N, Bankura B, Guria S, Das TK, Pattanayak AK, Sinha A, Chakrabarti S, Chowdhury S, and Das M., 'Genetic analysis of thyroid peroxidase (TPO) gene in patients whose hypothyroidism was found in adulthood in West Bengal, India.', doi: 10.1507/endocrj, *EJ13-0237*, 61 (3), 289-296. Indexed in SCOPUS. impact factor= 2.23(2014) 2.02(2015). UGC LIST JOURNAL sr.NO.15857, 19504, Dec, 2013, Print ISSN 0918-8959,online ISSN 1348-4540
- (8) Guria S, Bankura B, Balmiki N, Pattanayak AK, Das TK, Sinha A, Chakrabarti S, Chowdhury S, and Das M., 'Functional Analysis of Thyroid Peroxidase Gene Mutations Detected in Patients with Thyroid Dysmorphogenesis.', *International Journal of Endocrinology*. Indexed in SCOPUS. impact factor= 2.518 (2014) ,2.376 (2017) Japan Endocrine Soc, UGC LIST JOURNAL sr.NO.5748, 2959, 2014, ISSN: 1687-8337
- (9) Ghosh S, Guria S, and Das M., 'Alcohol as a Risk Factor for Cancer Burden: A Review.', *Proc Zool Soc*. DOI 10.1007/s12595-014-0134-3. Springer , WOS master listed, UGC listed, January, 2015, ISSN: 0373-5893 (Print) 0974-6919 (Online)
- (10) Guria S, Parveen S and Goswami DS, 'Alteration of Morphology, Phagocytic Behaviour and Aggregation of Insect Haemocytes Exposed to Contaminated Food with Arsenic and Lead.', *International Journal of PharmTech Research*, 9(5), 177-186. UGC LIST SR. NO.16664 SNIP impact factor=0.66, IPP= 0.619, SCOPUS- scimago impact, H index=19, 2016, ISSN: 0974-4304

➤ BOOK PUBLICATION :

- (1) Srikanta Guria and Madhusudan Das, 'Title of article =Phagocytosis of yeast particles by peritoneal macrophage in normal and hyperthyroid rat. Pp,53-60, Vertebrate and Invertebrate Animal Approaches (2014).', Editor-Jose Rosa Gomes Nova Sc. Publisher Int., 2014, ISBN:978-1-63117-102-4
- (2) Sudipta Chakrabarti, Srikanta Guria, Nisha Balmiki and Madhusudan Das, 'Title of article:Thyroid hormone mediated maintenance of glucose homeostasis and cytomorphology of cardiac muscle and skin in rat. Animal Science & Issues (2011)', Edited by Jacob M. Jaworski Nova Sc. Publisher Int.UK ed. edition, March , 2011, ISBN-10: 1617618705 ISBN-13: 9781617618703
- (3) Srikanta Guria, Susraba Chatterjee, Soumya Das, Kritika Chatterjee and Ritishi Ghosh, 'Hemocytes: Effective Bio-Indicator for Environmental Threats Published in Proceedings on Animal Research Today: Basic and Applied Arena', Editor Goutam Ghosh, Department of Zoology, Midnapore College (Autonomous) sponsored by RUSA 2.0, March, 2020, ISBN-978-93-89209-60-0