

## Faculty Profile

**Name :**Dr. Srikanta Guria

**EmailID:**srikantarna@yahoo.com,guriasrikanta@gmail.com

**Designation:** Assistant professor (W.B.E.S)

**Department:** Post Graduate Dept. of Zoology, Barasat Govt. College,  
Govt. of West Bengal, Barasat- 700124.



### Education Qualification: (Institutional Details)

**PhD.:**In Zoology from University of Calcutta

**M.Sc. :** In Zoology from University of Calcutta

**B.Sc.:** In Zoology from University of Calcutta

### Teaching Experience:

1. Former Part Time Lecturer, Department of Zoology Charuchandra College, 22 Lake Road, Calcutta – 700029 West Bengal

2. Former Part Time Lecturer, Department of Zoology, Shyampur Siddheswari College (Mahavidyalaya), Ajodhya, Howrah 711312 West Bengal

3. Joined in West Bengal Education Service (W.B.E.S) on 3.12.2008

College	Post	Department	from	to	Teaching Experience
Darjeeling Govt. College, Darjeeling-734101. West Bengal	Permanent post, (Full time) Assistant professor (W.B.E.S)	P.G. Department of Zoology	3.12.2008	30.4.2013	U.G Hons. and General classes in Zoology and P.G (M.Sc.) classes in Zoology
Barasat Govt. College, Barasat, Kolkata-124	Permanent post, (Full time) Assistant professor (W.B.E.S)	P.G. Department of Zoology	2.5.2013	Till date	U.G Hons. and General classes in Zoology and P.G (M.Sc.) classes in Zoology

**Specialization:**(Specialisation in M.Sc.- Parasitology &Immuno Biology)

P.hD. in Zoology (Field=Endocrinology)

**Research Experience:**12 years (including P.hD. period)

1.Former Jr. Research Fellow (JRF), UGC –RFSMS (Ref no.UGC/55/ RFSMS),  
Department of Zoology, University of Calcutta.

**No. of Conferences/seminars attended: 31**

Sl No	Topic	Seminar/ Workshop/ Conference/ Symposium	Sponsored By	Organized By	Date	National/ State Level	Participation with or Without paper
1	Faunal Diversity: Status, Utilization and Impact on Human Health	Seminar	UGC-SAP- DRS-1	Department of Zoology, University of Calcutta	16 <sup>th</sup> February, 2008	National	Poster Presentation
2	Bioresource and Human welfare	Seminar	UGC	Botanical Survey of India and Zoological Survey of India at Lady Brabourne College	20-21 Jan 2011	National	Without paper
3	Biological thoughts: micro to the macro	Seminar	UGC	Dept of Zoology, University of Calcutta	9 Feb 2010	National	Without paper
4	Environmental and Occupational Health: influence with statistics	Seminar	UGC	Calcutta statistical association at Dept. of Stat. C.U	27 Dec. 2008.	National	Without paper
5	inclusive education: challenges ahead in higher education	Seminar	UGC	Govt. College Art and Craft, Calcutta and WBGCTA	23 Jan 2010.	National	Without paper
6	Higher education in India: reforms and reality	Seminar	UGC	Institute for Education for Women, Hastings House and WBGCTA	21 Jan 2012	National	Without paper

7	Cutting Edge Technologies & Frontier Areas of Research in Zoology	Seminar	UGC	Department of Zoology, Ramakrishna Mission Vivekananda Centenary College, Rahara, in collaboration with Department of Zoology, Panihati Mahavidyalaya.	07 September, 2013	National	Oral Presentation
8	Biodiversity and Society	Seminar	UGC	Dept. of Zoology. Tamralipta Mahavidyalaya, Purba Medinipur, In collaboration with Gourav Guin Memorial College. Chandrakona Road. Paschim Medinipur.	25 Jan 2012	State Level	Oral Presentation
9	Environmental Crisis: Challenges in the 21 st century	Seminar	UGC	Dept. of Environmental Science & Zoology. Netajinagar College for Women In collaboration with Bankim Sardar College.	31 Jan 2012	State Level	Without paper
10	Animal Ecology and Behaviour	Seminar	UGC	Dept. of Zoology. Hooghly Mohsin College	11 Feb 2012	State Level	Without paper
11	Marine Biodiversity: Its Basic and Applied aspects	Seminar	UGC	Dept. of Zoology. Charuchandra College In collaboration with Zoological survey of India, Kolkata.	14 Feb 2012	State Level	Without paper

12	Algal biodiversity and its exploitation	Work Shop	DST	Department of Botany University of Calcutta	24-25 Nov 2007.	National	
13	Bio-Physical Chemistry for Cancer Research	Work Shop	Govt. of West Bengal	ST. Joseph College and Darjeeling Govt. College	29 Oct to 2 <sup>nd</sup> Nov 2011	National	
14	Application of statistical techniques in natural sciences	Work Shop		Dept of Statistics, University of Calcutta and Kolkata Resource Centre, inter University centre for Astronomy and Astrophysics, Pune.	Dec 30-31 2010	National	
15	Advanced techniques in molecular biology.	Work Shop	Govt. of West Bengal	Presidency College	10-13 Feb 2010.	National	
16	Applications of Flow Cytometry, Cell Sorting and Imaging in Biological Research	Work Shop	UGC	Center For Modern Biology and Centre for Research in Nanoscience and Nanotechnology University of Calcutta in collaboration with BD at CRNN, Salt Lake. Sector III, Kolkata	18-24 Feb 2012.	National	
17	Industrial Microbiology	Training	Self-financing	SHRM Biotechnologies Pvt. Ltd. Kolkata-700155	10 daysdt.21 Jan 2012	State Level	
18	Advances application of Recombinant DNA technology	Training	Self-financing	SHRM Biotechnologies Pvt. Ltd. Kolkata-700155	10 daysdt.14 Jan 2012	State Level	
19	Man, Animal And Environment Interaction in The	Symposium	UGC-merged scheme	Department of Zoology,	March 08-09, 2013	National	Oral Presentation

	Perspective of Modern Research		(UGC-SAP & DST-FIST assisted)	University of North Bengal.			
20	Emerging Trends and Challenges in Basic and Translational Research in Biochemistry	Conference	UGC	Biochemistry Thrust Area of Centre of Advanced Study, Department of Zoology, Banaras Hindu University, Varanasi.	February 4 – 5, 2013	National	Oral Presentation
21	Biodiversity: Interrelationship between Flora, Fauna and Human	Conference	UGC	Mrinalini Datta Mahavidyalaya, Departments of Anthropology, Botany & Zoology in collaboration with Department of Anthropology, West Bengal State University, Barasat.	29th & 30th September, 2013	National	Oral Presentation
22	Biodiversity and its Management for Food, Livelihood & Environmental security	Seminar	UGC	24 <sup>th</sup> All India Congress of Zoology & National Helminthological Congress at University of Kalyani	23 <sup>rd</sup> -25 <sup>th</sup> Nov, 2013	National	Oral Presentation
23	Environmental Issues and Food Security in India : Let's Voice Together Towards a Sustainable Future	Conference		Foundation For Science & Environment, Kolkata in association with Scientific & Environmental Research Institute, Kolkata	10 <sup>th</sup> August, 2014	National	Poster Presentation
24	Molecular Aspect Of Human Diseases	Seminar	DBT	Department of Zoology, University of Calcutta	31 <sup>st</sup> Jan. 2015	National	Poster Presentation
25	Research Update 2015	Seminar	UGC SAP-(DRS II)	Department of Zoology, University of Calcutta	31 <sup>st</sup> March 2015	National	Without paper

<b>26</b>	Perspectives in Animal Sciences: Research and Application	Seminar	UGC	Department of Zoology, Midnapore College	23rd and 24th November, 2015	National	Poster Presentation
<b>27</b>	Environment, science and society- exploring new horizons	Seminar	Govt. of WB	Science forum & humanities and social science forum at Mrinalinidatta college	7 Dec 2015	International	Without paper
<b>28</b>	Consortium for an integrated research on molecular medicine: Search for novel biopharmaceuticals from natural resources of West Bengal (CIRMM, WBSU)	consortium	Department of Zoology, West Bengal State University	Department of Zoology, West Bengal State University	25 <sup>th</sup> and 26 <sup>th</sup> February, 2016	national	Oral Presentation
<b>29</b>	Molecular aspects of human diseases	Symposium	Dept. Of Physiology, Serampore college	Dept. Of Physiology, Serampore college	19 March, 2016	National	Poster Presentation
<b>30</b>	Biodiversity, mission and vision	National seminar	UGC	Department of Zoology, Barasat Govt. College	19-20 Nov 2016	National	
<b>31</b>	Recent Trends In Microbiology	seminar	RUSA	Dept. Of Microbiology, Ramkrishna Mission Vidyamandirra, Belur Math, Howrah, WB	14.01.2017	International	Poster Presentation

**BookswithISBN No.:****Articles/ Chapters published in Books\***

<b>Sl. No.</b>	<b>Title of article</b>	<b>Book title, editor &amp; publisher with year</b>	<b>ISBN No.</b>	<b>Whether peer reviewed</b>	<b>No. of Co author</b>	<b>Whether you are the main author</b>
1	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.	ISBN-10: 1617618705	peer reviewed	3	Main author
2	Thyroid Deregulation Causes Cellular Damage in Pancreatic Islets and Spleen in Rat.	Vertebrate and Invertebrate Animal Approaches (2014) Jose Rosa Gomes	ISBN:978-1-63117-103-1	Peer reviewed	3	Main author
3	Hypothyroidism causes cellular damage retinal tissue and biceps in rat	Same as Sl. No 2	ISBN:978-1-63117-103-1	peer reviewed	11	All are equal contributor
4	Methimazole Induced Hypothyroidism Modulates Cytomorphology of Skin Epidermis and Collagen Synthesis in Rat	Same as Sl. No 2	ISBN:978-1-63117-103-1	peer reviewed	3	Main author
5	Hypothyroidism reduces phagocytic activity of rat macrophage.	Same as Sl. No 2	ISBN:978-1-63117-103-1	peer reviewed	1	Main author
6	Phagocytosis of yeast particles by peritoneal macrophage in normal and hyperthyroid rat.	Same as Sl. No 2	ISBN:978-1-63117-103-1	peer reviewed	1	Main author
7	Pulmonary Involvement of Arsenic Poisoning and Effect of Arsenic Toxicity on Peritoneal Macrophages and Spleen Cells in Rat.	Same as Sl. No 2	ISBN:978-1-63117-103-1	peer reviewed	7	Main author
8	Study of cytomorphology of pancreatic islets and peritoneal macrophage in alloxan induced diabetic rat: a mechanistic insight	Same as Sl. No 2	ISBN:978-1-63117-103-1	peer reviewed	8	Main author
9	Clinical Spectrum of Hypothyroidism in West Bengal, India.	Same as Sl. No 2	ISBN:978-1-63117-103-1	peer reviewed	8	Main author

\* Above articles published as paper in journal also.

### Awards & Achievements:

Sl no	
1	SLET(SET) 2005
2	UGC-CSIR NET 2006
3	Jr. Research Fellow (JRF), UGC –RFSMS (Ref no.UGC/55/ RFSMS) from Department of Zoology, University of Calcutta.
4	Professional grade Diploma on food processing, quality control & customized management services from Dept. of Food Tech. & Biochemical Engineering, Jadavpur University, Kolkata.
5	Best senior scientist award for oral presentation at 24 <sup>th</sup> All India Congress of Zoology & National Seminar on Biodiversity and Its Management for Food & Environmental Security & National Helminthological Congress at University of Kalyani
6	Award for outstanding paper presentation at National Symposium on Man, Animal And Environment Interaction In The Perspective Of Modern Research on organized by, Department of Zoology, University of North Bengal

**No. of Publications(National /International Journal): International=24,  
National=14**

### List of publications (Total Citation Index= 19)

1. **Guria S**, Parveen S and Goswami DS (2016). 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.

**SNIP impact factor=0.66, IPP= 0.619, SCOPUS- scimago impact, H index=19**

2. **Guria S**, Das M (2016). Cytoplasmic vacuolation in resident peritoneal macrophages in rat exposed to lead acetate: the apoptosis/necrosis/ paraptosis paradox. *J. Atoms and Molecules*, 6(1): 946 – 954. **CIF (2015): 4.569, GIF (2015): 0.564, SJIF(2012): 3.926 [ICI, Thomson Reuters, Research Gate, Google Scholar]**



3. **Guria S**, Chakraborty B and Banerjee M (2016).Chromium (VI) induced histological changes of pancreatic islets and liver: a preliminary study of metal induced diabetes mellitus. *The Experiment*, 35(1): 2171-2181.**Impact Factor=0.33**

4. Mitra P, **Guria S**, Ghosh S, Chakraborti S, Chakraborty A, Das S, Chatterjee P, Paul P, Mandal D, ChatterjeeB and Das M (2016).A preliminary study of clinical manifestations of polycystic ovary syndrome (PCOS) in kolkata.*International Journal of Research and Development in Pharmacy and Life Sciences*. 5(2): 2074-2079.

**Impact Factor=0.764.Highest ICV (Index Copernicus Value) for 2014 = 71.94 .Coverage in Elsevier, PubMed Indexed, Thomson Router Indexed**

5. **Guria S** (2016). Enumeration and Structural Assessment of Murine Peritoneal Macrophages Exposed to Chromium (VI): A Preliminary Study. *Journal of Global Biosciences*, 5(2): 3650-3655.**H-index: 4, Calculated by Google Scholar. Impact Factor=0.676**

6. Chakrabarti, S., Chowdhury, S., Ghosh, S., Guha, M., Ghosh, S., **Guria, S.**,Pattanayak, A. K., and Das, M (2015). Stillbirth and miscarriage associated with type 2 diabetes mellitus. *International Journal of Research and Development in Pharmacy and Life Sciences*.4(5): 1732-1736.**Impact Factor=0.764. Highest ICV (Index Copernicus Value) for 2014 = 71.94 .Coverage in Elsevier, PubMed Indexed, Thomson Router Indexed**

7. Ghosh S, Ghosh S, **Guria S**,Chakraborty S and Das M (2015). Epidemiologic Evidence of Gastric Cancer Prognosis: Role of Dietary Factors. *International Journal of Research and Development in Pharmacy and Life Sciences*.4(4): 1620-1624.

**Impact Factor=0.764. Highest ICV (Index Copernicus Value) for 2014 = 71.94 .Coverage in Elsevier, PubMed Indexed, Thomson Router Indexed**

8. Chakrabarti, S., Chowdhury, S., Ghosh, S., Guha, M., Ghosh, S., **Guria, S.**,Pattanayak, A. K., and Das, M., (2015). Alteration of menstrual cycle associated with type 2 diabetes mellitus in women of west Bengal. *J. Atoms and Molecules*, 5(2): 872 – 879.

**CIF (2015): 4.569, GIF (2015): 0.564, SJIF(2012): 3.926 [ICI, Thomson Reuters, Research Gate, Google Scholar]**

9. **Guria S**, Bose M, Mondal J and Majumder N (2015). Alteration of Cytomorphology of Mice Peritoneal Macrophages, Spleen cell and Histological Analysis of Liver and Pancreas under Eltroxin Induced Condition: A Preliminary study of “Thyroid Diabetes”. *The Global Journal Of Life Science & Research*, 1 (1): 11-18

10. Ghosh S, **Guria S**, and DasM (2015). Alcohol as a Risk Factor for Cancer Burden: A Review. *ProcZool Soc*. DOI 10.1007/s12595-014-0134-3. **Springer**

11. Sultana, Z., **Guria, S.**, Das, M (2014). A Systematic Review at the Crossroads of Polymorphisms in Pro inflammatory Cytokine Genes and Gastric Cancer Risk. *J. Atoms and Molecules*, 4(5): 791 – 802. **CIF (2015): 4.569, GIF (2015): 0.564, SJIF(2012): 3.926 [ICI, Thomson Reuters, Research Gate, Google Scholar]**

12. **Guria S**, Ghosh S and DasM (2014). Diabetogenic Action OfAlloxan On Liver Histopathology. *the experiment*, 28(2): 1906-1912. **Impact Factor=0.33**

13. **Guria S**, Bankura B, Balmiki N, Pattanayak AK, Das TK, , Sinha A, Chakrabarti S, Chowdhury S, and Das M (2014). Functional Analysis of Thyroid Peroxidase Gene Mutations Detected in Patients with Thyroid Dyshormonogenesis. *International Journal of Endocrinology*. **Indexed in SCOPUS. impact factor= 2.518(2014), 2.376 (2017)**

14. Balmiki N, Bankura B, **Guria S**, Das TK, Pattanayak AK, Sinha A, Chakrabarti S, Chowdhury S, and Das M (2014). Genetic analysis of thyroid peroxidase (*TPO*) gene in patients whose hypothyroidism was found in adulthood in West Bengal, India. *Advance Publication doi: 10.1507/endocrj*, EJ13-0237, 61 (3), 289-296. **Indexed in SCOPUS. impact factor= 2.23(2014) 2.02(2015).**

15. **Guria S**, Chhetri S, Saha S, Chetri N, Singh G, Saha PB, Sarkar BS, and Das M. (2012) . Study ofcytomorphologyof pancreatic islets and peritoneal macrophage in alloxan induced diabetic rat: a mechanistic insight. *Animal BiologyJournal*, 3(3): 101-110.

**Indexed by Google Scholar. Nova sc. international**

16. **Guria S** and Das M (2012). Phagocytosis of Yeast Particles by Peritoneal Macrophage in Normal and Hyperthyroid Rat. *Animal Biology Journal*, 3(1): 51-57.

**Indexed by Google Scholar. Nova sc. international**

17. Balmiki N, **Guria S**, Bankura B, Pattanayak AK, Sinha A, Das TK, Chakrabarti S, Chowdhury S, and Das M (2012). Clinical Spectrum of Hypothyroidism in West Bengal, India. *Animal Biology Journal*, 3(1): 31-37. **Indexed by Google Scholar. Nova sc.**

**international**

18. **Guria S**, Chhetri S, Saha S, Chetri N, Singh G, Saha PB, Sarkar BS, and Das M (2012). Pulmonary Involvement of Arsenic Poisoning and Effect of Arsenic Toxicity on Peritoneal Macrophages and Spleen Cells in Rat. *Animal Biology Journal*, 3(2): 67-76.

**Indexed by Google Scholar. Nova sc. international**

19. Guha M, Sen P, Ghosh S, Ghosh S, Chaudhuri A, Gupta P, Das S, Mukherjee S, Ghosh R, Roy Chowdhury R, **Guria S** and Das M (2011). Hypothyroidism causes cellular damage retinal tissue and biceps in rat. *Animal Biology Journal*, 2(4): 147-152.

**Indexed by Google Scholar. Nova sc. international**

20. **Guria S** and Das M (2011). Hypothyroidism reduces phagocytic activity of rat macrophage. *Animal Biology Journal*, 2(4): 163-170. **Indexed by Google Scholar. Nova sc. international**

21. **Guria S**, Balmiki N, Chakrabarti S and Das M (2011). Methimazole Induced Hypothyroidism Modulates Cytomorphology of Skin Epidermis and Collagen Synthesis in Rat. *Animal Biology Journal*, 2(3): 127-132. **Indexed by Google Scholar. Nova sc. international**

22. **Guria S**, Balmiki N, Chakrabarti S and Das M (2010). Thyroid deregulation causes cellular damage in pancreatic islets and spleen in rat. *Animal Biology Journal*, 2(1): 29-35.

**Indexed by Google Scholar. Nova sc. international**

23. Chakrabarti S, **Guria S**, Balmiki N. and Das M (2010). Thyroid hormone mediated maintenance of glucose homeostasis and cytomorphology of cardiac muscle and skin in rat. *Animal Biology Journal*, 1(3): 157-164. **Indexed by Google Scholar. Nova sc. International**

24. **Guria S** and kiran P (2013). Present Scenario of Malaria Treatment In Alipurduar-I Block In Jalpaiguri District. *Recent Advance in Animal Science Research*, VI (C): 990-994.

25. **Guria S** and Das M (2013). Methimazole Reduces Endocrine Cell Population in Islets of Langerhans in Rat Pancreas. *Recent Advance in Animal Science Research*, VI (C): 987-989.

26. **Guria S**, Balmiki N, Bankura B, Pattanayak A K, Das T, Chakrabarti S, Sinha A., Chowdhury S. Das M (2012). Thyroid peroxidase (tpo) gene mutation in hypothyroid females and its association with menstrual disturbances and abortion in the population of West Bengal. *NBU J. Anim. Sc.*, 6: 40-47.

27. **Guria S**, Balmiki N and Das M (2011). Methimazole induced hypothyroidism alters peritoneal macrophage activity in rat. *Recent Advance in Animal Science Research*, VI (A): 664-667.

28. **Guria S**, Balmiki N and Das M (2011). Is hypothyroidism responsible for ovarian functional changes in rat? *Recent Advance in Animal Science Research*, VI (B): 773-776.

29. **Guria S**. and Das M (2011). Micro RNA signature: A new player in pathway alteration in cancer. (a review article). *Recent Advance in Animal Science Research*, VI (B): 720-726. ISBN- 81-88094-02-9.

30. **Guria S**. and Das M (2011) Impaired nitric oxide and acid phosphatase activity in hypo and hyperthyroid rat. *Recent Advance in Animal Science Research*, VI (B): 759-762.

31. **Guria S**, Ray D (2011) Tribal health problems, sexually transmitted diseases with special emphasis on AIDS- a review article. *Tribal World*, 1: 39-42.

32. **Guria S** (2011) Malnutrition and lead poisoning in tribal children in India-a review article. *Tribal World*, 1: 25-28.

33. **Guria S**(2011). Altered cytomorphology of neutrophil during thyrotoxicosis in rat. *Recent advances in animal science research*, VIB: 770-772.

34. Chakrabarti S, **Guria S**, Samanta I and Das M (2007). 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**

35. Chakrabarti S, **Guria S**, Samanta I and Das M (2006). Thyroid dysfunction and its effect on testis in Rat. *Proc. Zool. Soc*, 59(2): 215-219. **Springer**

36. **Guria S**, Chakraborty A, Barman K, Data S, Sarkar S, Das M (2014). Cell Death and DNA Damage in Peritoneal Macrophages of Rat Exposed To Cadmium Chloride. *Proceedings of Biodiversity: Interrelationship between Flora, Fauna and Human*. 144-149 (ISBN No.978-81-929-410-0-4).

37. **Guria S**, Bankura B , Chowdhury S and Das M (2013). Thyroid Peroxidase (*TPO*) Gene Mutation in Patients with Congenital Hypothyroidism. *Proc/Natl/ UGC-Seminar/Zoo*, 32-36

38. **Guria S**, Pattanayak A K, Bankura B, Chowdhury S and Das M(2016). SNPs are Powerful Genetic Markers for The Detection of Human Diseases. *Proceedings of Perspectives in Animal Sciences: Research and Application from Department of Zoology Midnapore College (Autonomous)*.