

Curriculum Vitae

Faculty Profile



Name : Dr. Srikanta Guria

Email ID: 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)

Ph.D.: 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 |

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

Ph.D. in Zoology (Field=Endocrinology)

Title of the thesis-Assessment of Thyroid Peroxidase (*tpo*) Gene Polymorphism in Hypothyroid Patients

Research Experience:

1. Former Jr. Research Fellow (JRF), UGC –RFSMS (Ref no.UGC/55/ RFSMS), Department of Zoology, University of Calcutta.
2. Associated as Research Scholar in following Projects **under the supervision of Professor Madhusudan Das, Dept. of Zoology, University Of Calcutta** [Project title: Thyroid Peroxidase (TPO) gene polymorphism and its relation with thyroid dysfunction (DBT project) and Project title: Thyroid dysfunction and its effect on glucose homeostasis in rat (UGC minor project)]

Full papers in Conference Proceedings

| Sl. No. | Title with page no. | Details of Conference Publication | ISSN/ ISBN No. | No. of Co author | Whether you are the main author |
|---------|--|--|-----------------------------|------------------|---------------------------------|
| 1 | Cell Death and DNA Damage in Peritoneal Macrophages of Rat Exposed To Cadmium Chloride. Proceedings of Biodiversity: Interrelationship between Flora, Fauna and Human. P144-149 | Mrinalini Datta Mahavidyapith in UGC-Sponsored National Conference on Biodiversity: Interrelationship between Flora, Fauna and Human. | ISBN No. 978-81-929-410-0-4 | 5 | main author |
| 2 | Thyroid Peroxidase (<i>TPO</i>) Gene Mutation in Patients with Congenital Hypothyroidism. Proc/Natl/ UGC-Seminar/Zoo/ Srikanta Guria-Biswabandhu Bankura-Subhankar Chowdhury- Madhusudan Das P 32-36 | UGC Sponsored National-level Seminar On “Cutting Edge Technologies & Frontier Areas of Research in Zoology”, Organized by Department of Zoology, Ramakrishna Mission Vivekananda Centenary College, Rahara | NA | 3 | main author |

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|---|--|--|------------------------|--|-------------|
| 3 | SNPs are Powerful Genetic Markers for The Detection of Human Diseases Proceedings of Perspectives in Animal Sciences: Research and Application Srikanta Guria*, Arup Kumar Pattanayak, Biswabandhu Bankura, Subhankar Chowdhury and Madhusudan Das | Department of Zoology Midnapore College (Autonomous) UGC-sponsored National Seminar on "Perspectives in Animal Sciences: Research and Application" | NA | 4 | main author |
| 4 | Hemocytes: Effective Bio-Indicator for Environmental Threats Proceedings on Animal Research Today: Basic and Applied Arena Srikanta Guria*, Susraba Chatterjee, Soumya Das, Kritika Chatterjee and Ritishi Ghosh P 23-27 | Department of Zoology, Midnapore College (Autonomous) sponsored by RUSA 2.0 (Component 8) (MHRD, Govt of India) National level seminar | ISBN-978-93-89209-60-0 | 13 th and 1 ^{4th} March, 2020, | main author |

Articles/ Chapters published in Books *

| Sl. No. | Title of article | Book title, editor & publisher with year | ISSN/ISBN No. | Whether peer reviewed | No. of Co author | Whether you are the main author |
|---------|---|--|---|-----------------------|------------------|---------------------------------|
| 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 ISBN-13: 9781617618703 | peer reviewed | 3 | Main author |
| 2 | Thyroid Deregulation Causes Cellular Damage in Pancreatic Islets and Spleen in Rat. pp, 25-32 | Vertebrate and Invertebrate Animal Approaches (2014) Jose Rosa Gomes Nova Sc. Publisher Int. | ISBN:978-1-63117-102-4 | Peer reviewed | 3 | Main author |
| 3 | Hypothyroidism causes cellular damage retinal tissue and biceps in rat Pp,33-38 | Same as Sl. No 2 | ISBN:978-1-63117-102-4 | peer reviewed | 11 | All are equal contributor |
| 4 | Methimazole Induced Hypothyroidism Modulates Cytomorphology of Skin Epidermis and Collagen Synthesis in Rat Pp,39-44 | Same as Sl. No 2 | ISBN:978-1-63117-102-4 | peer reviewed | 3 | Main author |
| 5 | Hypothyroidism reduces phagocytic activity of rat macrophage. Pp,45-52 | Same as Sl. No 2 | ISBN:978-1-63117-102-4 | peer reviewed | 1 | Main author |

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| 6 | Phagocytosis of yeast particles by peritoneal macrophage in normal and hyperthyroid rat. Pp,53-60 | Same as Sl. No 2 | ISBN:978-1-63117-102-4 | peer reviewed | 1 | Main author |
| 7 | Pulmonary Involvement of Arsenic Poisoning and Effect of Arsenic Toxicity on Peritoneal Macrophages and Spleen Cells in Rat. Pp,61-70 | Same as Sl. No 2 | ISBN:978-1-63117-102-4 | peer reviewed | 7 | Main author |
| 8 | Study of cytomorphology of pancreatic islets and peritoneal macrophage in alloxan induced diabetic rat: a mechanistic insight Pp,71-80 | Same as Sl. No 2 | ISBN:978-1-63117-102-4 | peer reviewed | 8 | Main author |
| 9 | Clinical Spectrum of Hypothyroidism in West Bengal, India. Pp,295-302 | Same as Sl. No 2 | ISBN:978-1-63117-102-4 | peer reviewed | 8 | Main author |

* Above articles published as paper in journal also (publisher was same i.e. Nova Sc. Publisher Int.).

Papers presented in Conferences, Seminars, Workshops, Symposia

| Sl. No | Title of the paper presented | Conferences, Seminars, Workshops, Symposia | Organized by | Date | Category |
|--------|---|--|---|--|---------------------|
| 1 | Hemocytes: Effective Bio-Indicator for Environmental Threats Srikanta Guria | National level seminar on Animal Research Today: Basic and Applied Arena | Department of Zoology, Midnapore College (Autonomous) sponsored by RUSA 2.0 (Component 8) (MHRD, Govt of India) | 13 th and 14 th March, 2020, | Oral presentation |
| 2 | Invertebrate Hemocytes as Bio-indicator for Environmental Hazards Indicating 'Planetary Crisis' Srikanta Guria | international Conference of 'WORLD THINKERS' AND WRITERS' PEACE MEET', 2019 On the Central Theme 'Planetary Crisis and Human Liberation' | Ramakrishna Mission Vivekananda Centenary College and ISISAR | December 29, 2019 | Oral presentation |
| 3 | Global Warming May Influence Threats of Environmental Pollutants on Morpho-Functional Diversity of Invertebrate Hemocytes Srikanta Guria * | National level seminar on Global Warming & Biodiversity Conservation | Dept. Of Zoology, Raja Peary Mohan College with SEBA | 2 nd August 2019 | Poster presentation |

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| 4 | Effect of Pollutants on Death Profile of Invertebrate Defensive Cells (Hemocytes) | National Conference On Future India: Science And Technology | City College, Kolkata and Indian Science Congress Association, Kolkata Chapter | 27-28 February, 2019 | Oral presentation |
| 5 | Alteration of Histological Changes of Pancreas and Liver in Streptozotocin (STZ)-Induced Experimental Diabetes Mellitus | International Seminar on Recent Trends In Science Towards Sustainable Development | Acharya Prafulla Chandra College New Barrackpore, Kolkata-700131 In collaboration with Indian Chemical Society | 06 th -07 th August, 2018 | Poster presentation |
| 6 | Effect of Environmental Pollutants like Arsenic and Lead on Death Profile of Invertebrate Hemocytes | International Seminar on Recent Trends In Science Towards Sustainable Development | Acharya Prafulla Chandra College New Barrackpore, Kolkata-700131 In collaboration with Indian Chemical Society | 06 th -07 th August, 2018 | Poster presentation |
| 7 | Analysis of Thyroid Peroxidase (<i>TPO</i>) Gene Mutation in Patients with Congenital Hypothyroidism: An Indication of Genetic Factor Controlling Child Health Problem | International Symposium On Child Welfare: A Global Perspective | Dept. of Zoology Charuchandra college | 4 th January 2018 | Poster presentation |
| 8 | Exposure of Arsenic and Lead induces Apoptosis, Necrosis and Paraptosis like Cell Death in Invertebrate Hemocytes | National Conference Zoo Con 2017: Animal Science In 21st Century | Department of Zoology, University of North Bengal | Feb 11-12, 2017 | Oral Presentation |
| 9 | Threats of Arsenic and Lead on Morpho-Functional Shift of Invertebrate Immunocytes: A Short Report [ISBN:978-93-82094-13-5] | International seminar on recent trends in microbiology | Dept. Of Microbiology, Ramkrishna Mission Vidyamandira, Belur Math, Howrah, WB | 14.01.2017 | Poster Presentation |
| 10 | Study of genetic predisposition for hypothyroidism as well as type 2 diabetes mellitus (T2DM) | National symposium on molecular aspect of human diseases | Dept. Of Physiology, Serampore college | 19 March, 2016 | Poster Presentation |
| 11 | SNP analysis for hypothyroidism and type 2 diabetes mellitus (T2DM) in the patients of West Bengal | Consortium for an integrated research on molecular medicine: Search for novel biopharmaceuticals from natural resources of | Department of Zoology, West Bengal State University | 25 th and 26 th February, 2016 | Oral Presentation |

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| | | West Bengal (CIRMM, WBSU) | | | |
| 12 | SNPs are powerful genetic markers for the detection of human diseases | UGC-sponsored National Seminar on "Perspectives in Animal Sciences: Research and Application" | Department of Zoology, Midnapore College | 23rd and 24th November, 2015 | Poster Presentation |
| 13 | Assessment of Gene Polymorphism/Mutation in Hypothyroidism and Type 2 Diabetes Mellitus in West Bengal | National seminar on mol aspect of human diseases | Department of Zoology, University of Calcutta | 31st.January, 2015 | Poster Presentation |
| 14 | Alteration of Cytomorphology of Mice Peritoneal Macrophages, Splenocytes and Histological Analysis of Liver and Pancreas under Eltroxin Induced Condition | National conference on env. issues | Foundation For Science & Environment, Kolkata in association with Scientific & Environmental Research Institute, kolkata | 10 th August, 2014 | Poster Presentation |
| 15 | Assessment of Thyroid Peroxidase (<i>Tpo</i>) Gene Polymorphism in Hypothyroid Patients | National seminar on biodiversity and its management.....security | Department of Zoology, University of Kalyani | 24 th November r 2013 | Oral Presentation |
| 16 | Cell Death and DNA Damage in Peritoneal Macrophages of Rat Exposed To Cadmium Chloride | National conference on biodiversity | Mrinalini Datta Mahavidyapith in UGC-Sponsored National Conference | 30 th september, 2013 | Oral Presentation |
| 17 | Thyroid Peroxidase (<i>TPO</i>) Gene Mutation in Patients with Congenital Hypothyroidism | National seminar on cutting edge.....research in zoology | Department of Zoology, Ramakrishna Mission Vivekananda Centenary College, Rahara | September 07, 2013 | Oral Presentation |
| 18 | Chronicles of a silent death of rat peritoneal macrophage in thyroid dysfunction: A comprehensive approximation | National symposium on man, animal and env.....modern research | Department of Zoology, University of North Bengal. | March 08-09, 2013 | Oral Presentation |
| 19 | Mutation screening of the thyroid peroxidase (TPO) gene in hypothyroid patients of West Bengal. | National conference on emerging.....biochemistry | National Conference, Department of Zoology, Banaras Hindu University, Varanasi. | February 4 – 5, 2013 | Oral Presentation |

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| 20 | Thyroid peroxidase (TPO) gene mutation in patients with hypothyroidism in the population of West Bengal. | State level seminar on biodiversity and society | Dept. of Zoology. Tamralipta Mahavidyalaya, Tamluk-721636, Purba Medinipur | 25 Jan 2012 | Oral Presentation |
| 21 | Thyroid dysfunction and its effect on different organs in rat | National seminar on faunal diversity | Department of Zoology, University of Calcutta | 16th. February, 2008 | Poster Presentation |
| 22 | Thyroid Peroxidase (TPO) Gene polymorphism and its relation with thyroid deregulation | National seminar on faunal diversity | Department of Zoology, University of Calcutta | 16th. February, 2008 | Poster Presentation |

Seminar/Workshop/Conference/Symposium attended (without paper presentation)

| Sl No | Topic | Seminar/ Workshop/ Conference/ Symposium | Sponsored By | Organized By | Date | National/ State Level | Participation with or Without paper |
|--------------|--|---|---------------------|--|----------------|------------------------------|--|
| 1 | 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 |
| 2 | Biological thoughts: micro to the macro | Seminar | UGC | Dept of Zoology, University of Calcutta | 9 Feb 2010 | National | Without paper |
| 3 | Environmental and Occupational Health: influence with statistics | Seminar | UGC | Calcutta statistical association at Dept. of Stat. C.U | 27 Dec. 2008. | National | Without paper |
| 4 | inclusive education: challenges ahead in higher education | Seminar | UGC | Govt. College Art and Craft, Calcutta and WBGCTA | 23 Jan 2010. | National | Without paper |
| 5 | Higher education in India: reforms and reality | Seminar | UGC | Institute for Education for Women, Hastings House and WBGCTA | 21 Jan 2012 | National | Without paper |

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| 6 | Environmental Crisis: Challenges in the 21 st century | Seminar | UGC | Dept. of Environmental Science & Zoology. Netajinagar College for Women In collaboration with BankimSardar College. | 31 Jan 2012 | State Level | Without paper |
| 7 | Animal Ecology and Behaviour | Seminar | UGC | Dept. of Zoology. Hooghly Mohsin College | 11 Feb 2012 | State Level | Without paper |
| 8 | 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 |
| 9 | Algal biodiversity and its exploitation | Work Shop | DST | Department of Botany University of Calcutta | 24-25 Nov 2007. | National | Without paper |
| 10 | Bio-Physical Chemistry for Cancer Research | Work Shop | Govt. of West Bengal | ST. Joseph College and Darjeeling Govt. College | 29 Oct to 2 nd Nov 2011 | National | Without paper |
| 11 | 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 | Without paper |
| 12 | Advanced techniques in molecular biology. | Work Shop | Govt. of West Bengal | Presidency College | 10-13 Feb 2010. | National | Without paper |
| 13 | 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 | Without paper |
| 14 | Industrial Microbiology | Work Shop | Self-financing | SHRM Biotechnologies Pvt. Ltd. Kolkata-700155 | 10 days dt.,21 Jan 2012 | State Level | |

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| 15 | Advances application of Recombinant DNA technology | Work Shop | Self-financing | SHRM Biotechnologies Pvt. Ltd. Kolkata-700155 | Dt.14 Jan 2012 10 days | State Level | |
| 16 | Research Update 2015 | Seminar | UGC SAP-(DRS II) | Department of Zoology, University of Calcutta | 31 st March 2015 | National | Without paper |
| 17 | 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 |
| 18 | Biodiversity, mission and vision | National seminar | UGC | Department of Zoology, Barasat Govt. College | 19-20 Nov 2016 | National | |
| 19 | Science Academies Lecture Workshop on “Recent Trends in Chemistry and Biology” | Workshop | Indian Academy Of Science, Indian National Science Academy, The National Academy Of Science | Science Forum , Mrinalini Data Mahavidyapith, Birati | March 4-6, 2017 | National | - |
| 20 | Vector-borne and Zoonotic Diseases: Emerging challenges in surveillance, diagnosis and Control in the context of global travel, urbanization and climate change” | The National Conference [10th National Conference of Medical Arthropodology (NCMA)] | ICMR,D RDO | Postgraduate Department of Zoology, Asutosh College, Kolkata In Association with: Society of Medical Arthropodology (SOMA), Hyderabad | 8th and 9th December 2017 | National | Without Paper |
| 21 | Challenges Of Contemporization In Higher Education Institution In India | Seminar | NAAC | Sarojini Naidu College For Women | 29 th January 2018 | national | Without paper |
| 22 | Workshop on CBCS | Workshop | WBSU | Dept. Of Zoology WBSU | 9 th February 2018 | | |
| 23 | STATE LEVEL SEMINAR ON BIODIVERSITY OF WEST BENGAL | State level seminar | | Ramkrishna Mission Vidyamandira | 28 th September 2018 | State level seminar | Without paper |

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| 24 | 'SPARSHA' | State level seminar | | Zoological society of Kolkata and RKMVC | 13 th January 2019 | | Without paper |
| 25 | New Methodology of NAAC Assessment for Quality Enhancement in Higher Education Institutes Organized by Ramakrishna Mission Vivekananda Centenary College, Rahara Kolkata – 700118 | Seminar | NAAC, Bangalore | Ramakrishna Mission Vivekananda Centenary College, Rahara Kolkata – 700118 | 22 & 23 January, 2019 | national | Without paper |

Academic Staff College Orientation/ Refresher Course attended

| Name of the Course/Summer School | Place | Duration | Sponsoring Agency |
|----------------------------------|--------------------------------------|--------------------------|------------------------------------|
| Orientation Course | University Of North Bengal, Siliguri | 18.07.2012 to 14.08.2012 | UGC, Academic Staff College |
| Refresher Course | University Of North Bengal, Siliguri | 19.11.2014 to 9.12.2014 | UGC, Academic Staff College |
| Refresher Course | University Of North Bengal, Siliguri | 14.11.2018 to 4.12.2018 | UGC, Academic Staff College (HRDC) |

Research Guidance

(i) Degree-oriented: NA

(ii) Non-Degree Products: Guidance to Scholars & Master's level

| Sl. no | Project title | Number of students enrolled | level | Academic Sessions |
|--------|---|-----------------------------|--------------|-------------------|
| 1 | Cell Death and DNA Damage in Peritoneal Macrophages of Rat Exposed To Cadmium Chloride and Lead Acetate | 7 | M.Sc III Sem | 2012-2013 |
| 2 | Pulmonary Involvement Of Arsenic Poisoning And Effect Of Arsenic Toxicity On Peritoneal Macrophages And Spleen Cells In Rat | 5 | M.Sc III Sem | 2011-2012 |
| 3 | Study Of Cytomorphology Of Pancreatic Islets And Peritoneal Macrophage In Alloxan Induced Diabetic Rat: A Mechanistic Insight | 5 | M.Sc IV Sem | 2011-2012 |

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| 4 | Phagocytosis Of Yeast By Peritoneal Macrophage In Normal And Eltroxine Treated Rat: An Experimental Approach | 9 | M.Sc IV Sem | 2010-2011 |
| 5 | Methimazole induced alteration of rat physiology | 9 | M.Sc IV Sem | 2010-2011 |

| Sl. no | Review/ Project title | Number of students enrolled | level | Academic Sessions |
|--------|---|--|--------------------|-------------------|
| 1 | Role of Macrophages in Atherosclerosis: Risk of Cardiac Arrest (Review) | 1 (Roll: 0132001) | M.Sc. IV Sem | 2013-2014 |
| 2 | Role of Macrophages in Alzheimer's Disease (Review) | 1 (Roll: 0132003) | M.Sc. IV Sem | 2013-2014 |
| 3 | Cytomorphology of mice peritoneal macrophages, spleen cells and histological analysis of tissues under Eltroxin induced hyperthyroid condition(project) | 3 (Roll: 0132001, 0132003, 0132004) | M.Sc. IV Sem | 2013-2014 |
| 4 | Highly Active Anti Retroviral therapy on AIDS- status and prospects | 1 (BGC/ZOO/14209) | M.Sc. III Sem | 2014-2015 |
| 5 | Hepatitis B & its therapeutic approaches | 1 (BGC/ZOO/14206) | M.Sc. III Sem | 2014-2015 |
| 6 | Molecular Mimicry-A Possible Cause Of Human Diseases | Moumita Banerjee | PG Sem IV | 2014-2015 |
| 7 | Effects of chromium (VI) toxicity on murine peritoneal macrophages and chromium induced histological changes of pancreatic islets and liver: A Preliminary study of metal induced diabetes development(project) | Brintasree Chackraborty, | PG Sem IV | 2014-2015 |
| 8 | Cancer immunotherapy | Juin Mondal | M.Sc III Sem | 2013-14 |
| 9 | Invertebrate immunity | Madhurima Bose | M.Sc III Sem | 2013-14 |
| 10 | Traversal of Pathogen Through blood-brain barrier ; insight mechanism | 1 (Roll: 0132001) | M.Sc. III Sem | 2013-2014 |
| 11 | Morphological Shift and Alteration of Phagocytic Behaviour of Insect Haemocytes Exposed to Arsenic and Lead | Shahina Parveen Roll No: BGC/ZOOL 15202 | M.Sc. Semester-III | 2015-2016 |
| 12 | Different categories of invertebrate haemocytes specially in insect and their | Deb Shankha Goswami Roll No.: | M.Sc. Semester-III | 2015-2016 |

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|----|---|---|--------------------|-----------|
| | phagocytic behaviour: A short report | BGC/ZOOL/15102 | | |
| 13 | Threats of Arsenic on Morphological Shift of Hemocytes of Molluscs | Shahina Parveen Roll No: BGC/ZOOL 15202 | M.Sc. Semester-IV | 2015-2016 |
| 14 | Hemocyte : The invertebrate counterpart of the vertebrate macrophage | Deb Shankha Goswami Roll No.: BGC/ZOOL/15102 | M.Sc. Semester-IV | 2015-2016 |
| 15 | Recent Outbreak of Dengue In West Bengal, Kolkata | Nilabja Patranabish | M.Sc. Semester-III | 2016-2017 |
| 16 | Dendritic Cell: A Key Cell Used in Cancer Therapy | Moumita Sikder | M.Sc. Semester-III | 2016-2017 |
| 17 | Death Profile of Hemocyte in Molluscs After Exposure Of Lead (Pb) | Sujata De | M.Sc. Semester-III | 2016-2017 |
| 18 | Metal toxicity induces cell death in invertebrate defensive cells | Nilabja Patranabish | M.Sc. Semester-IV | 2016-2017 |
| 19 | Cytomorphology of Haemocyte: <i>In Periplaneta americana</i> | Moumita Sikder | M.Sc. Semester- IV | 2016-2017 |
| 20 | Alteration of Cytomorphology of Peritoneal Macrophages, spleen cells, Pancreatic Islets and Liver in Rat After Exposure of Mercuric Compound : An Indication of Metal Induced Diabetes Mellitus | Sujata De | M.Sc. Semester- IV | 2016-2017 |
| 21 | Inflammatory Cytokines In Depression | Sayantana Shaw 17106 | M.Sc. Semester-III | 2017-2018 |
| 22 | Biology Of <i>Micobacterium Tuberculosis</i> Infection | Priti Majumder 17203 | M.Sc. Semester-III | 2017-2018 |
| 23 | West Nile Virus Pathogenesis | Anirban Chatterjee 17101 | M.Sc. Semester-III | 2017-2018 |

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|----|--|----------------------------------|--------------------|-----------|
| 24 | Autoimmunity To Thyroid Gland - In Context Of Hashimoto's Thyroiditis | Sreya Chakraborty 17217 | M.Sc. Semester-III | 2017-2018 |
| 25 | Macrophage Dependent Spreading And Immune Evading Strategies Of HIV | Sayantan Shaw 17106 | M.Sc. Semester-IV | 2017-2018 |
| 26 | OVERVIEW OF PARASITIC HELMINTH INFECTION WITH SPECIAL REFERENCE TO SCHISTOSOMIASIS | Priti Majumder 17203 | M.Sc. Semester-IV | 2017-2018 |
| 27 | Alteration of Cytomorphology of Peritoneal macrophages, Pancreatic Islets and Liver in Streptozotocin-Induced Experimental Diabetes Mellitus | Anirban Chatterjee 17101 | M.Sc. Semester-IV | 2017-2018 |
| 28 | Bacterial Toxins And Macrophage Response | Sreya Chakraborty 17217 | M.Sc. Semester-IV | 2017-2018 |
| 29 | Cancer Immunotherapy By Inhibition Of CTLA-4 activity | PGZOOL-15 Soma Mondal | M.Sc. Semester-III | 2018-2019 |
| 30 | 'Eat Me'signal-A Hug Of Death | PGZOOL-20 Susraba Chatterjee | M.Sc. Semester-III | 2018-2019 |
| 31 | Human African Trypanosomiasis | PGZOOL-23 Rupkatha Biswas | M.Sc. Semester-III | 2018-2019 |
| 32 | Plasmodium Falciparum And Host-Parasitic Interaction | PGZOOL-32 Nazima Khatun | M.Sc. Semester-III | 2018-2019 |
| 33 | Role Of Natural Killer Cell In Immunity Infection & Cancer | PGZOOL-15 Soma Mondal | M.Sc. Semester-IV | 2018-2019 |
| 34 | Different types of hemocytes & their activities found in insect(orthoptera)collected from Navegaon and Tadoba and its adjoining area | PGZOOL-20 Susraba Chatterjee | M.Sc. Semester-IV | 2018-2019 |
| 35 | NDD & Macrophage | PGZOOL-23 Rupkatha Biswas | M.Sc. Semester-IV | 2018-2019 |
| 36 | Alteration of behaviour of peritoneal macrophage in DM | PGZOOL-32 Nazima Khatun | M.Sc. Semester-IV | 2018-2019 |
| 37 | Metal induced diabetes mellitus promotes shift of macrophage function | Kritika Chatterjee PG/ZOOL-19 | M.Sc. Semester-III | 2019-20 |
| 38 | Death profile of Haemocytes Found in Grasshopper (Orthoptera) | Soumya Das - PG/ZOOL/05 | M.Sc. Semester-III | 2019-20 |

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|----|---|----------------------------------|--------------------|---------|
| 39 | Haemocyte: Insect Macrophage | Ritishi Ghosh, PG/ZOOL/37 | M.Sc. Semester-III | 2019-20 |
| 40 | Diabetes mellitus and immune cells: Role in beta cell pathogenicity and immunotherapy | Kritika Chatterjee PG/ZOOL-19 | M.Sc. Semester-IV | 2019-20 |
| 41 | Reactive oxygen species and parasites: Role in pathogenicity | Soumya Das - PG/ZOOL/05 | M.Sc. Semester-IV | 2019-20 |
| 42 | 'Immune Cells In Breast Cancer: Role In Advanced Immunotherapy' | Ritishi Ghosh, PG/ZOOL/37 | M.Sc. Semester-IV | 2019-20 |

| Sl no | Awards/ Honours |
|-------|---|
| 1 | SLET(W.B. 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 | 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 |
| 6 | Best senior scientist award for oral presentation at 24 th All India Congress of Zoology & National Seminar on Biodiversity and Its Management for Food & Environmental Security & National Helminthological Congress at University of Kalyani |
| 7 | 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 peer reviewed Journal):

List of publications (Total Citation Index=97)

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, Infobase index, ACS chemistry for life, Science Central, Copernicus, Scirus] impact factor= 0.564**

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, indexed by Google Scholar, Copernicus, Research Gate.**

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I declare that the particulars given above are correct to the best of my knowledge and belief.

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