

Dr. Samik Acharjee , Ph.D.

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Education :

- Ph.D. in Zoology 2011-2016
- M.Sc. in Zoology 2010
- B.Sc. in Zoology(Hons) 2006
- H.S. (+2 stage) 2003
- Madhyamik 2001

Awards :

- CSIR-UGC NET 2018

Fellowships :

- Junior Research Fellow (*JRF*) (April, 2011 – April, 2013)
- Senior Research Fellow (*SRF*) (April, 2013 – July, 2016)
in the DBT funded project “*Establishment of State Biotech Hub(SBT)*” in Tripura University.

Ph.D. Research Experience :

- **Title of Ph.D. thesis:** “Role of melatonin in modulation of Hsp70 expression and immune function in thermally stressed mice”.

Post-doctoral Research Experience :

- Research Associate (*RA*) in DBT funded project entitled “Establishment of Bioinformatics Infrastructural Facilities for Biology Teaching through Bioinformatics” in College of Fisheries under Central Agricultural University (Imphal), Lembucherra, Tripura from December, 2016 to September, 2017
- Research Associate (*RA*) in CSIR funded project entitled “Melatonergic and adrenergic regulation in neuroendocrine modulation of immune function in physically stressed mice” in Department of Zoology, Tripura University (A Central University) from September, 2017 to September, 2019.

Teaching Experience :

- Guest Lecturer (Zoology) at under graduate level in the Department of Zoology, MBB College, Agartala for the session of 2016-17 .
- Academic Counsellor (Life Science) at under graduate level in the IGNOU Distance Education Center of MBB College, Agartala from February, 2017- October, 2017.

Publications (In peer reviewed National/International journals) :

- 1) **Acharjee S**, Upadhyay AD, Roy AK, Ghosh R (2017) Analysis of Insulin-Like Growth Factor I and its Receptor of an Indian Major Carp *Labeo rohita*: An *in silico* Approach . MOJ Proteomics & Bioinformatics 6(3): 00195 (1-8). DOI: 10.15406/mojpb.2017.06.00195. ISSN: 2374-6920.
- 2) **Acharjee S**, Upadhyay AD, Roy AK, Ghosh R (2017) Insilico analysis of Myostatin protein of *Labeo calbasu*. Journal of Applied Biotechnology & Bioengineering 3(5): 00080 (1-7). DOI: 10.15406/jabb.2017.03.00080. ISSN: 2572-8466.
- 3) **Acharjee S**, Roy A (2017) Nesting site building on *Schima wallichii* and rearing behavior of Hornbills: A case study. International Journal of Zoology Studies 2 (4): 33-35. ISSN: 2455-7269.
- 4) Rumpi G, Upadhyay AD, Roy AK, **Samik A** (2017) Structural analysis of Cytochrome C genes of major carp and utility of forensic investigation. Journal of Forensic and Crime Investigation 1(1): 103.
- 5) **Acharjee S**, Singh SS (2015) Melatonin and thermal stress regulate differential expression of heat shock proteins and melatonin receptors in spleen of mice. Indian Journal of Pharmaceutical and Biological Research 3(1): 36-47. ISSN: 2320-9267.
- 6) Singh SS, Laskar P, **Acharjee S** (2015) Age- and sex- dependent effect of exogenous melatonin on expression pattern of melatonin receptor (MT1 and MT2) proteins in spleen of mice. Biological Rhythm Research 46(3): 403-415. P-ISSN: 0929-1016/E-ISSN:1744-4179.
- 7) Laskar P, **Acharjee S**, Singh SS (2015) Effect of exogenous melatonin on thyroxin (T4), thyrotropin (TSH) hormone levels and expression patterns of melatonin receptor (MT1 and MT2) proteins on thyroid glands during different age groups of male and female Swiss albino mice. Advances in Bioresearch 6(1):7-14. P-ISSN: 0976 – 4585/E-ISSN 2277-1573.
- 8) **Acharjee S**, Singh SS (2014) Expression of heat shock proteins (HSP70 & HSC70) and responsiveness of melatonin receptors (MT1& MT2) in spleen of Swiss albino mice subjected to hyperthermic stress condition. International Journal of Pharma and Biosciences 5(4): (B) 801-814. ISSN:0975-6299.

Book Chapters (In peer reviewed books) :

- 1) **Samik Acharjee** (2017) Training Manual of ‘Bioinformatics Techniques’ published by College of Fisheries, Lembucherra, CAU (I), Tripura, Compiled & Edited by A.D. Upadhyay and A.K. Roy.
- 2) Laskar P, **Acharjee S**, Singh SS (2015) Role of melatonin in modulation of its receptors expression in mice spleen: effect of aging. Animals and Alternatives in Life Science Research. Luminous books, Varanasi, edited by C. Haldar and S. Ghosh. Page no. 34-45.ISBN No. 978-93-85149-13-9.

Reviewer (National/ International journals) :

International Journal of Pharma and Biosciences [ISSN:0975-6299].

Abstracts Published (In proceedings of Seminars/ Conferences/ Workshops/ Symposium):

- 1) “Exogenous melatonin treatment and thermal stress regulate differential expression of heat shock proteins and melatonin receptors in spleen of mice” published in proceedings of “Seminar cum workshop on Advances in Modern Biotechnology” organised by State Biotech hub, Tripura University, Suryamaninagar, Tripura.
- 2) “Temperature dependant expression of heat shock proteins (HSP70 and HSC70) and responsiveness of melatonin receptors (MT1 and MT2) in mice spleen: an immunohistochemical and western blot approach” published in proceedings of “International Conference on Environmental Biology and Ecological Modeling-2014” Organised by Department of Zoology, Visva-Bharati University, Santiniketan, West Bengal.

National/International - Seminars/ Conferences/ Workshops/ Symposium :

(Presentations):

- 1) Protein 3D structure prediction by Homology Modeling”
- (*Invited Lecture*)
- 2) Annual Progress Report Presentation of the project “Establishment of Bioinformatics Infrastructural Facilities for Biology Teaching through Bioinformatics (BIF-BTBI)” sponsored by DBT, New Delhi, India.
- (*Talk*)
- 3) “Exogenous melatonin treatment and thermal stress regulate differential expression of heat shock proteins and melatonin receptors in spleen of mice”
- (*Talk*)
- 4) “Temperature dependant expression of heat shock proteins (HSP70 and HSC70) and responsiveness of melatonin receptors (MT1 and MT2) in mice spleen: an immunohistochemical and western blot approach”
- (*Talk*)

Presented at “Hands on Basic Tools and Techniques of Biotechnology and Bioinformatics” organized by DBT funded Bioinformatics Centre, College of Fisheries , Central Agricultural University (I),Lembucherra, Tripura.
Dated: 23/02/18 to 01/03/18.

Presented at “9th NEBInet Coordinators Annual Meet” organized by DBT funded BIF Centre, Tezpur University, Tezpur, Assam.
Dated: 17/01/17 to 19/01/17

Presented at “Seminar cum workshop on Advances in Modern Biotechnology” organised by State Biotech hub, Tripura University, Suryamaninagar, Tripura.
Dataed: 15/01/2015 to 16/01/2015.

Presented at “International Conference on Environmental Biology and Ecological Modeling-2014” Organised by Department of Zoology, Visva-Bharati University, Santiniketan, West Bengal.
Dated: 24/02/2014 - 26/02/2014.

(Participation):

- 5) “Purification, Assay and Kinetics of Enzymes”
- (*Worksop*)
- 6) “Capacity Building in Molecular Biology and Bioinformatics techniques”
- (*Worksop*)
- 7) “Statistical and Computing methods for Life Science Data Analysis”
- (*Worksop*)
- 8) “Applied Chemical Zoology”
- (*Worksop*)
- 9) “Skill development to write scientific literature, quality improvement of manuscript for publication success”
- (*Worksop*)
- 10) “One Day workshop on Enhancing Institutional Innovation with Intellectual Property Rights”
- (*Worksop*)

Organized by Department of Zoology, Tripura University (A Central University) at Tripura University Campus. Dated: 26/04/18-05/05/18

Organized by DBT funded Bioinformatics center and Biotech hub, College Of Fisheries, Lembucherra, Tripura. Dated: 20/02/17-27/02/17

Organised by Indian Statistical Institute, Kolkata with collaboration of Department of Human Physiology and Department of Information Technology, Tripura University at Tripura University Campus
Dated: 14/03/16 to 19/03/16.

Organised by Department of Zoology, Tripura University at Tripura University Campus,
Dated: 29/04/15-01/05/15.

Organised by Springer in collaboration with Central Library, Tripura University at Tripura University, Surymaninagar
Dated: 18/11/2014.

Organised by Tezpur University Intellectual Property Right Cell and Equal Opportunity Cell, Tripura University at Tripura University, Surymaninagar
Dated: 21/03/2013.

- 11) "Third National Symposium on Earthworm Ecology and Environment (NSEEE-3)"
- (*Symposium*)
Organised by Department of Zoology, Tripura University at Tripura University, Surymaninagar
Dated: 09/11/12 to 11/11/12.
- 12) "Integrated Approach for Teaching & Research in Life Sciences"
- (*Symposium*)
Organised by Tripura University, Surymaninagar
Dated: 28/09/12 to 29/09/12.
- 13) "Seminar on Molecular Biology"
- (*Seminar*)
Organised by Department of Microbiology, Agartala Govt. Medical College with collaboration of Biotechnology Hub, Tripura University
Dated: 06/11/2011.
- 14) "Seminar cum Workshop on techniques in Bioinformatics"
- (*Seminar cum Workshop*)
Organised by Bioinformatics Center, Tripura University
Dated: 03/11/2011 to 04/11/2011.
- 15) "SERC School in Chronobiology"
- (*Workshop*)
Organised by Department of Zoology, Ch. Charan Singh University, Meerut, Uttar Pradesh
Dated: 01/10/2011 to 14/10/2011.
- 16) "Basic Molecular Biology and Biotechnology"
- (*Workshop*)
Organised by State Biotech Hub at Department of Human Physiology, Tripura University, Surymaninagar
Dated: 19/09/11 to 23/09/11.
- 17) "Tripura Science Congress"- In the sector of Ecology and Environment
- (*Conference*)
Organised by Tripura State Council for Science and Technology
Dated: 08/09/2011 to 09/09/2011.
- 18) "Awareness Programme on Chemical Weapons Convention (CWC)"
- (*Seminar*)
Organised by Department of Chemistry, Tripura University, Department of Chemicals and Petrochemicals, Govt. of India and Indian Chemical Council, Mumbai at Tripura University, Surymaninagar,
Dated: 13/03/2011.
- 19) "Basics of Bioinformatics-A Tool for Promotion of Biology Teaching"
- (*Workshop*)
Organised by Bioinformatics Centre at Department of Zoology, Tripura University, Surymaninagar,
Dated: 25/09/2008 to 27/09/2008.
- 20) "Aquaculture Biotechnology for Rural development- Laboratory to Field Application"
- (*Workshop*)
Organised by Department of Zoology, Tripura University, Surymaninagar.
Dated: 25/07/2008 to 28/07/2008.

Date: 30/08/2020
Place: Kolkata, West Bengal.

(Signature)

(DR. SAMIK ACHARJEE)