



Dr Ishita Samajdar

Assistant Professor
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Research Publications

i) **Samajdar I** and Mandal DK* Histology and surface ultra-structure of the gill of a minor carp, *Labeo bata* (Hamilton). Journal of Scientific Research. Volume 9 (2), pp: 201-208, **2017**. [ISSN(Print): 2070-0237; ISSN(Online): 2070-0245] DOI: <https://doi.org/10.3329/jsr.v9i2.29195>

ii) **Samajdar I** and Mandal DK* Histological organization and ultra-structures of the apical surface of the olfactory epithelium of a carp, *labeo bata* (Hamilton). International Journal of Pure and Applied Zoology. Volume 4 (2), pp: 134-141, **2016**. [ISSN(Print): 2320-9577; ISSN(Online): 2320-9585]

iii) **Samajdar I** and Mandal DK* Acute toxicity and impact of an organophosphate pesticide, chlorpyrifos on some haematological parameters of an Indian minor carp, *Labeo bata* (Hamilton 1822). International Journal of Environmental Sciences. Volume 6 (1), pp:106-113, **2015**. [ISSN: 0976-4402] DOI:10.6088/ijes.6012

iv) **Samajdar I** and Saikia SK* Traditional fishing gears of Birbhum district, West Bengal, India. Indian Journal of Traditional Knowledge. Volume 13 (1), pp: 187-194, **2014**. [ISSN(Print): 0972-5938; ISSN(Online): 0975-1068]

v) **Samajdar I** and Mandal DK* Histo-architecture of the olfactory organ of an Indian minor carp, *Labeo bata* (Hamilton 1822). International conference on environmental biology and ecological modelling (ICEBEM 2014), during 24th to 26th February **2014**.

vi) **Samajdar I**, Ghosh S and Mandal DK* Sublethal effects of chlorpyrifos on the histomorphology and surface ultrastructure of the olfactory epithelium of a freshwater fish *Labeo bata* (Hamilton 1822). National symposium on Comparative Endocrinology and Reproductive Biology (CERB 2015), October 1st to 3rd **2015**.

vii) **Samajdar I** and Mandal DK* Study the effect of sublethal exposure of organophosphate pesticides chlorpyrifos on the histomorphology and surface ultrastructure of the olfactory epithelium of a fish *Labeo bata* (Hamilton 1822). International Conference on Aquatic Resources and Sustainable Management Kolkata, 17th to 19th February **2016**.

viii) **Samajdar I*** and Mandal DK. Evaluation of Chlorpyrifos induced oxidative stressresponses in a fresh water carp *Labeo bata* (Hamilton). 1st Regional Science and Technology Congress (RSTC), Kolkata, 13th to 14th November, **2016**.

ix) **Samajdar I*** and Mandal DK. Acute toxicity of an organophosphate pesticide, Chlorpyrifos and its effect on some haematological parameters of a freshwater fish, *Labeo bata* (Hamilton). International Seminar on Sundarbans: Science to Society. Sundarban, Pathankhali, 26th January **2020**.

x) **Samajdar I*** and Mandal DK. Effect of Chlorpyrifos on ultrastructure of olfactory system of a freshwater fish, *Labeo bata* (Hamilton). National Seminar on Advancement of Biology in the 21st Century, Visva-Bharati, Santiniketan, 28th to 29th February, **2020**.

Seminars and Conferences Attended

- i) Presenting poster on International Molecular Signaling symposium **2013**.
- ii) Presenting poster on Indian youth science congress **2013**.
- iii) Presenting poster on International conference on environmental biology and ecological modelling (ICEBEM 2014), during 24th to 26th February **2014**.
- iv) Presenting poster on National symposium on Comparative Endocrinology and Reproductive Biology (CERB 2015), October 1st to 3rd **2015**.
- v) Oral presentation on International Conference on Aquatic Resources and Sustainable Management Kolkata, 17th to 19th February **2016**.
- vi) Presenting poster on 1st Regional Science and Technology Congress (RSTC), Kolkata 13-14th November, **2016**.
- vii) Presenting poster on International Seminar on Sundarbans: Science to Society. Sundarban, Pathankhali, 26th January **2020**.
- viii) Oral presentation on National Seminar on Advancement of Biology in the 21st Century, Visva-Bharati, Santiniketan, 28th to 29th February, **2020**.

Honors and Awards: i) Reviewer Turkish Journal of Fisheries and Aquatic Sciences.

ii) Reviewer in Asian Journal of Fisheries and Aquatic Research.

iii) Reviewer in Journal of Pharmaceutical Research International.

vi) Qualified Visva-Bharati research entrance test (VBRET) on August 2012

vii) Awarded with Rajiv Gandhi National Fellowship to pursue Ph.D degree in 2012.

viii) Qualified West Bengal Teachers Eligibility test (WBTET) in 2012

ix) Got merit scholarship at M.Sc in 2011 from Visva-Bharati University.

Area of Research Interest: Fish Biology, Fisheries, Toxicology, Haematology, Morphology, Ultrastructure, Pesticide, Organophosphate, Antioxidants.

M.Sc special paper: Fish Biology & Fisheries

Dissertation in M.Sc: Practical work on fishing gears and crafts.

Title of Ph.D thesis: Evaluation of the effects of an organophosphate pesticide (chlorpyrifos) on the olfactory system of a freshwater fish, *Labeo bata* (Hamilton 1822)

Research supervisor: Prof. Dipak Kumar Mandal

Date of joining: 9th October 2012

Date of Ph.D awarded: 6th May 2018

Teaching experiences: As visiting Professor of M.Sc classes (zoology) of Vidyasagar University at Hetampur Krishna Chandra College from 2013 to 2015.

- Projects performed:**
- i) Project Under Rajiv Gandhi National Fellowship Scheme (**Sanction No. F1-17.1/2012-13/RGNF-2012-13-SC-WES-19645/(SA-III/website)**)
 - ii) Biodiversity of the Ballavpur Wildlife Sanctuary in B.Sc, 2009
 - iii) Field study on the appearance of micronuclei on the squamous epithelium tissue of tobacco chewing persons in B.Sc, 2010
 - vi) Review on placentation in rabbit in B.Sc, 2010
 - v) Field study on animal behavior in M.Sc, 2011
 - vi) Practical work on limb regeneration in tadpole in M.Sc, 2011
 - vii) Karyotype analysis in M.Sc, 2012
 - viii) Observation of meiosis chromosomes from grasshopper testis.
 - ix) Examination of mitosis chromosomes from rat cornea.

Computer Knowledge

- i) Certificate course from west Bengal youth computer centre
- ii) Diploma in IT from West Bengal youth computer centre
- iii) Desktop publishing (DTP) from Rajeev Gandhi Computer Saksharta Mission

Co-curricular Activities

- i) Perform NSS camp and seminar held on 11-12th November 2006
- ii) Participated 'Youth Parliament' competition held in 1999-2000

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