

Name: SANDIPAN TALUKDAR

Contact: 7076284998

Qualification: MSc, PhD

Designation: Assistant Professor in Zoology

Teaching Experience (in years): UG Level: 11, PG: 01

Research Experience (in years): 10

Date of Joining Present Institution: 18.01.2025

Institutions/Companies Previously Served:



Name of Institution/Company	Designation	Tenure	
		From (DD-MM-YYYY)	To (DD-MM-YYYY)
Gorubathan Government College	Assistant Professor	16.11.2015	17.01.2025

Specialization/Research Interest: Fish Biology & Aquaculture. Working in the field of fish biology and fisheries with special interest in digestive and metabolic profiling of Indian fish, aquafeed formulation by using sustainable natural ingredients, fish gut microbiology, socio-cultural and religious importance of small indigenous fish and dry fish, fish conservation and fisheries management.

Awards & Recognitions

1. **Outstanding paper award** in 32nd West Bengal State Science and Technology Congress for presenting paper titled 'Evaluation of bio-processed *Ficus religiosa*, leaf meal in the diets of rohu, *Labeo rohita* (Hamilton): Assessment of growth, nutrient utilization, serum biochemical parameters and non-specific immunity' held from 28th February to 2nd March, 2025
2. Awarded for **Outstanding Paper Presentation** in 7th Regional Science and Technology Congress (Region 02); held on January 7th and 8th, 2025.
3. Awarded for **Outstanding Paper Presentation** in 5th Regional Science and Technology Congress (Western Region); January 6th and 7th, 2023
4. Received the award for **2nd Best Oral Presentation** in 4th Regional Science and Technology Congress (Western Region); December 9th and 10th, 2019
5. Received the award for **Best Oral Presentation** in International Conference on Aquatic Resources & Sustainable Management, 17,18 &19 February, 2016
6. Awarded for **Best Oral Presentation** in 22nd West Bengal State Science and Technology Congress 2015 in Zoology
7. Awarded for **Best Poster Presentation** in iNGSTD 2014 conducted by Department of Zoology, University of Burdwan
8. Awarded **1st Class 1st** in M. Sc. Zoology, 2009-2011, University of North Bengal
9. Awarded **1st Class 2nd** in B.Sc. Zoology (Honours), 2006-2009, University of North Bengal

Publications

Journals:

1. **Sandipan Talukdar** and Koushik Ghosh (2025), Evaluation of growth, nutrient utilization, and metabolic function in rohu, *Labeo rohita* (Hamilton), fed diets incorporated with fermented *Saraca asoca* leaf meal. *Fish Physiology and Biochemistry* 51 (1):3
2. **Sandipan Talukdar** and Koushik Ghosh (2019), Differential inhibition of digestive proteases by tannin in two size groups of rohu (*Labeo rohita*, Hamilton): A biochemical and zymography study. *Aquaculture Research* 50 (2).
3. **Sandipan Talukdar**, Einar Ringø, Koushik Ghosh (2016), Extracellular tannase-producing bacteria detected in the digestive tracts of freshwater fishes (Actinopterygii: Cyprinidae and Cichlidae) *Acta Ichthyologica Et Piscatoria* 46, 201-210
4. Abhijit Ghosh, **Sandipan Talukdar**, Koushik Ghosh, Tanmoy Das, Debasis Das (2014), Colorimetric and fluorescence recognition of tryptophan and histidine using phthalaldehyde based probe: experimental, computational, cell imaging and fish tissue analysis. *RSC advances* 4 (98), 55286-55289

Popular science articles in Bengali:

1. সন্দীপন তালুকদার (২০২৬): মহাকাশে দুর্বল হয় দেহ। সন্দর্শন। ১৮ই জুলাই, ২০২৬
2. সন্দীপন তালুকদার (২০২৬): দেশীয় ছোট মাছ: প্রাণীজ পুষ্টির আধার ও লোকায়ত ঐতিহ্যের রক্ষাকবচ। স্মরণিকা: ৩৭ তম মালদা জেলা বইমেলা ও প্রদর্শনী- ২০২৬
3. সন্দীপন তালুকদার (২০২৫): পশ্চিমবঙ্গে স্থিতিশীল ও পরিবেশবান্ধব মাছ চাষে নতুন সম্ভাবনা। গৌড় মালদা সংবাদ, ১৪৩২ বঙ্গাব্দ, ২৯তম সংখ্যা
4. সন্দীপন তালুকদার ও রাজর্ষি ঘোষ (২০২৪): ভাইরাস : বিশ্বাস, বিষমবাদ ও বিজ্ঞান। বিজ্ঞান অন্তর্দৃষ্টি: মে থেকে অগাস্ট ২০২৪ (ধারাবাহিক) ISSN 2582-5674
5. সন্দীপন তালুকদার (২০২১): গুটিকির সাতকাহন। জ্ঞান ও বিজ্ঞান, বঙ্গীয় বিজ্ঞান পরিষদ। জানুয়ারি ও ফেব্রুয়ারী, ২০২১ (ধারাবাহিক) ISSN 2454 7727
6. সন্দীপন তালুকদার ও কৌশিক ঘোষ (২০১৮) : ছোটো মাছের বড় গুন। জ্ঞান ও বিজ্ঞান, বঙ্গীয় বিজ্ঞান পরিষদ। ফেব্রুয়ারী, ২০১৮ ISSN 2454 7727
7. সন্দীপন তালুকদার ও রাজর্ষি ঘোষ (২০১৭): আত্মখাদক জীবকোশ : ২০১৬ চিকিৎসা বিজ্ঞানের নোবেল। উদ্বোধন। Volume: 119, Issue : 2

Guidance of Ph.D Scholars

Nil

Sponsored Research projects

Nil

Guidance of M.Sc. Projects

1. Jamil Sarkar (2024-2026), "Identification of small indigenous fish species of West Bengal and their importance in nutritional security and poverty alleviation". Netaji Subhas Open University, PG zoology, Durgapur Government College study centre I-06. (Guide: Dr. Sandipan Talukdar)

Invited Lectures

1. Special Lecture on “*Application of raw and bioprocessed leaf meals: a comparative study*” organized by Department of Botany & Department of Zoology, Gour Mahavidyalaya, in a National seminar entitled ‘Biodiversity and Sustainable Development’ sponsored by West Bengal Biodiversity Board, Government of West Bengal held on 7th and 8th March, 2025.
2. Invited lecture on “Future prospects of Zoology” organised by Department of Zoology, Malda College, Malda on 25th April, 2022
3. Invited lecture on “Biodiversity Uses, Threats and Conservation” at Parimal Mitra Smriti Mahavidyalaya, Malbazar, Jalpaiguri on 5th January, 2022

Paper Presentation in seminar/conference/symposium/workshop/discussion meeting (2025-2026)

1. Oral Presentation on “*Recreational fishery as a novel scientific approach to enhance the prospects of ecotourism in Himalayan Districts of West Bengal*” in one day Nation Seminar on “Anthropocene, Development and Fragile Ecologies: Himalayan and Sub Himalayan Regions in Perspective” organised by Gorubathan Government College and sponsored by Department of Higher Education, Government of West Bengal held on 19th September, 2025
2. Online Oral Presentation on “*Growth, Nutrient Utilization and haemato-immunological Parameters of Rohu, Labeo rohita (Hamilton) Fed Fermented Ficus religiosa Leaf Meal: Optimization Using a Machine Learning Model*” at International Seminar on “Recent Trends in Biological and Biomedical Research” organised by Department of Zoology, Malda College held on 25th and 26th June, 2025
3. Oral Presentation on “*Application of Bio-processed Terrestrial Leaf meal in Fish Feeds: A Step towards Sustainable Aquaculture*” at National Seminar on “Biodiversity and Sustainability: Challenges, Solutions and Future Perspectives” organised by Malda College held on 29th and 30th May, 2025
4. Oral Presentation on “Evaluation of bio-processed *Ficus religiosa*, leaf meal in the diets of rohu, *Labeo rohita* (Hamilton): Assessment of growth, nutrient utilization, serum biochemical parameters and non-specific immunity” at 32nd West Bengal State Science and Technology Congress held from 28th February to 2nd March, 2025
5. Oral Presentation on “Evaluation of bio-processed *Ficus religiosa*, leaf meal in the diets of rohu, *Labeo rohita* (Hamilton): Assessment of growth, nutrient utilization, serum biochemical parameters and non-specific immunity” at 7th Regional Science and Technology Congress (Region 02); organised by Malda College, held on January 7th and 8th, 2025

Participation in faculty development programmes

1. Completed NPTEL Online 12 weeks Certification Course under SWAYAM entitled ‘Host-Pathogen Interaction (Immunology)’, organized by IISER Bhopal and funded by MoE, Government of India from January to April, 2026
2. Refresher Course on ‘Environment and disaster management’ under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) organized by the University of North Bengal from 2nd to 15th January, 2020
3. Interdisciplinary Refresher Course in ‘Recent Advances in Applied Biology’ under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) organized by Har Govind Khorana School of Life Sciences in collaboration with Assam University, Silchar from 16th to 29th August, 2024.
4. NEP 2020 Orientation and Sensitization Programme-3 under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) organized by the University of Burdwan from 17th to 28th May, 2024
5. 41st Orientation Programme organized by UGC-HRDC, University of North Bengal from 7th to 27th January, 2020

6. Refresher Course in Disaster Management (All Disciplines) organized by UGC-HRDC, University of North Bengal from 1st to 21st March, 2019

Organization of events (Durgapur Government College)

1. State level seminar on “*Biodiversity for a better future: Harmony with nature, sustainability in action*” organized by Department of Botany, Durgapur Government College, on 25th February, 2026 (Dr. Sandipan Talukdar, *member of the organizing committee*)