

DEPARTMENTAL BULLETIN (JULY 2024- JUNE 2025)



DEPARTMENT OF ZOOLOGY

N.N. SAIKIA COLLEGE

TITABAR- 785630

JORHAT, ASSAM

Editor

Dr. Jafrin Farha Hussain

From the Head of the Department's Desk

This year's bulletin (2024 – 2025) reflects all the activities and achievements of the Department of Zoology that have taken place during this period. We, the faculty members of the Department of Zoology, Nanda Nath Saikia College have been publishing the Departmental Bulletin every year so that the relevant achievements and activities undertaken by the Department are brought to light and documented. I am also thankful to Dr. Jafrin Farha Hussain, Assistant Professor of this Department for her untiring effort in compiling all the relevant information for this bulletin. I also take this opportunity to sincerely appreciate her effort to complete the work within the stipulated time. I look forward towards the regular publication of the bulletin and its gradual upliftment in near future.

(Mitali Chetia)
Head of the Department,
Department of Zoology
Nanda Nath Saikia College, Titabar

Editor's Note

The progress of an institution or a department in particular, is reflected in the profile of the achievements of that department. In our Department of Zoology, Nanda Nath Saikia College, these achievements are kept track of, and compiled every year in the form of an annual report purely dedicated to the highlights of the Department. I am truly privileged and feel immensely grateful to have got this opportunity to compile the bulletin of the Department of Zoology, Nanda Nath Saikia College; in the form of an annual report/document. This prestigious responsibility has helped me in learning the minute efforts that lead to a big outcome, when dealt with, in a diligent and dedicated manner. I am indebted to my colleagues who have contributed in their own ways, in bringing out this bulletin in its complete form. I am also grateful to the HoD, Zoology, Mitali Chetia for entrusting me with this work and believing in me. I am also immensely thankful to the students of the Department of Zoology (current and passed out), for helping me out with all relevant information, whenever asked for.

Dr. Jafrin Farha Hussain
Assistant Professor
Department of Zoology
Nanda Nath Saikia College, Titabar

Teaching staff (Faculties) and Non-Teaching Staff of the Department

Teaching Staff

Sl. No.	Name	Qualification	Designation	Specialization	University (M. Sc)	Experience
1.	Dr. Manashi Bortamuly	Ph. D.	Assistant professor	Animal Ecology	Gauhati University	13 Years (Overall 30 Yrs)
2.	Mitali Chetia	M. Sc	Assistant Professor	Animal Physiology & Biochemistry	Gauhati University	12 Years
3.	Dr. Jafrin Farha Hussain	Ph. D.	Assistant professor	Animal Physiology & Biochemistry	Gauhati University	4 Years
4.	Dr. Samim Dullah	Ph. D.	Assistant professor	Biochemistry	Dibrugarh University	2 Years 10 Months
5.	Miss Priyanka Saikia	M. Sc., SLET	Adhoc	Molecular Genetics	Assam University	2 years 3 months

Non-Teaching Staff

Sl. No	Name	Designation
1.	Dipankar Gogoi	Laboratory Bearer (Permanent)

Courses Offered in the Department

NAME	SYLLABUS
Higher Secondary	As per Assam Higher Secondary Education Council
B. Sc (3 Year Degree Course & FYUGP)	As per Dibrugarh University (CBCS & NEP)
Add on Course (Aquarium Fish Keeping & Yoga and Physical Fitness)	As per Dibrugarh University norms

Number of Students Enrolled in 2024

Zoology Major (as per NEP)	Boys	Girls	Total
	19	41	60
Zoology Minor (as per NEP)	Boys	Girls	Total
	34	25	59

Departmental Facilities

I. LIBRARY

Departmental Library contains both text books and reference books.

Total Number of books as in **June, 2025** = 198

Percentage of users during the period (**July 2024-June 2025**) = **15%**

LIBRARY IN CHARGES

NAMES	PERIOD
Dr. Anjumoni Saikia (Retired)	2003 - 2013
Mitali Chetia	2013 - 2016
Dr. Manashi Bortamuly	2016 - 2023
Dr. Jafrin Farha Hussain	2023 – till date

II. COMPUTER

HP Desktop Computer (no Internet Facility)

III. DIGITAL CLASSROOM

One classroom with LCD projector facility, with one CPU for storage of data.

IV. LABORATORY/CHEMICAL STOCK IN-CHARGES

NAMES	PERIOD
Dr. Jafrin Farha Hussain	2022 - 2023
Dr. Samim Dullah	2023 – till date

LABORATORY INSTRUMENTS

a) For Cytological & Histological studies

Sl. No.	Names	No. of instruments
1.	Microtome	02
2.	Microscope	07
3.	Oven	01
4.	Thermostatic water bath	01

b) For Biochemical studies

Sl. No.	Names	Numbers
1.	Electronic balance	01
2.	Paper chromatography chamber	01
3.	Gel electrophoresis	01

c) For physiological studies

Names	Numbers
Kymograph	02
Colorimeter	01
Sphygmomanometer	01
Haemocytometer	05
Haemoglobinometer	01

d) For ecological studies

Names	Numbers
Soil thermometer	02
pH meter	01
Secchi disc	02
Tullgren Funnel	01
Binocular	01
BOD Bottles	As per requirement

e) For embryological studies

Names	Numbers
Incubator	01
Cavity slides	50

FINAL EXAMINATION OUTCOME

A. Result

Total no. of students appeared	Total no. of students passed	Pass percentage
22	12	55%

B. List of Students securing first class

Sl. No.	Name	CGPA of marks
1.	Shamsi Akhtara	7.56
2.	Hemashree Gogoi	7.92
3.	Simi Gogoi	7.69
4.	Dipti Manki	7.07
5.	Prasanna Chetry	8.32
6.	Cinmoyee Saikia	7.70
7.	Puja Gogoi	7.31
8.	Shan Buragohain	7.37
9.	Lokhi Kowar	6.69
10.	Gaurab Malakar	7.23
11.	Tushar Saikia	7.07
12.	Rumena Begum	7.14



Shamsi Akhtara



Cinmoyee Saikia



Prasanna Chetry



Puja Gogoi



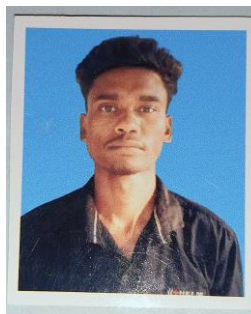
Dipti Manki



Simi Gogoi



Gaurab Malakar



Lokhi Kowar



Shan Buragohain



Rumena Begum



Tushar Saikia

D. The best performer

- Recipient of the Chandraprava Dutta & Chandraprava Bortamuly Educational Award.
- Recipient of the Department of Zoology Merit Award.



Prasanna Chetry
CGPA: 8.32

Achievements of Faculties

Dr. Manashi Bortamuly is the recipient of Major Research Project entitled “Prospects and possibilities of golden threads (Muga) of Assam: a path towards Viksit Bharat” granted by ICSSR during 2024 – 2025 (Rs. 12, 50, 000) (sanctioned on 20.09.2024)

Publications

Name of the Faculty	Title	Journal/Book/Book chapters	Year
Dr. Manashi Bortamuly and L. K. Hazarika	Effect of Methoprene on larval characters and silk gland growth of muga silkworm, <i>Antheraea assamensis</i>	Exploring the Creative Nexus. ISBN 978-93-5868-904-2	2025
Dr. Manashi Bortamuly	“Rohosyor pom khedi herua mobile tu” book translated to English “Mystery of a missing mobile”	Published by the National Book Trust of India. ISBN 936719798-5	2025
Dr. Manashi Bortamuly	Editor of Exploring The Creative Nexus.	Published by Teachers Unit Nanda Nath Saikia College.	February, 2025
Mitali Chetia	Hepatological and Haematological Effect of Methanolic Crude Extract of <i>Potentilla fulgens</i> on Wistar rats	Exploring the Creative Nexus. ISBN 978-93-5868-904-2	2025
Dr. Jafrin Farha Hussain	Natural Resource Management	Unika Prakashan. ISBN: 978-93-91883-92-8	2024
Dr. Jafrin Farha Hussain	Morphology and Reproductive Biology of Blue Perch <i>Badis assamensis</i> Ahl 1937 Recorded From a Hill Stream in Assam, India	Lakes and Reservoirs: Science, Policy and Management for Sustainable Use	2025
Dr. Jafrin Farha Hussain et al.	Emerging Wastelands in Titabar, Jorhat-A Preliminary Assessment	Exploring the Creative Nexus ISBN 978-93-5868-904-2	2025
Dr. Samim Dullah	Natural Resource Management	Unika Prakashan. ISBN: 978-93-91883-92-8	2024
Bora, S. S., Hazarika, D. J., Dullah, S. ,.....	Traditional alkaline condiment ‘Kolakhar’ improves protein digestibility and nutrient availability in black gram (<i>Vigna mungo</i> L.).	Journal of Food Measurement and Characterization, 1-13.	2025
Dr. Samim Dullah et al.	Recent Trend in Fish Farming	<i>Aquaculture Technological Advancements</i> (pp. 147-162). Nipa Genx Electronic Resources & Solutions P. Ltd.	2025
Dr. Samim Dullah et al.	Current Perspectives of Nanomaterials in Wastewater Treatment for Sustainable Environment	Nanomaterials in Wastewater Research (Springer Nature); pp-399 - 415	2025
Gogoi, R.,.... Dullah, S. ,.....	Mutualistic Relationship: Mycorrhiza and Plant Growth	Exploring the mycology and parasitology of plant life (Cambridge Scholars Publishing) pp: 220 - 241	2025

Participation in Seminars/Workshops/Resource Talks

Name of the Faculty	Topic	Organized by	Date
Dr. Manashi Bortamuly	Presented a Resource talk on “Composite Fish Culture & Integrated Fish Farming” at Kharikatia Gaon, Mariani.	IBT Hub N.N. Saikia College, Titabar.	13th December, 2024
Dr. Manashi Bortamuly	Presented a Resource talk on ‘Beat Plastic Pollution’ at Pragati ME school (hands on training on minimizing plastic use).	Pragati ME School, Namchungi.	5th June 2025
Dr. Manashi Bortamuly	Presented a popular talk as resource person at Jorhat Science Center and planetarium on the topic “Ecology and Conservation of Butterflies”.	Jorhat Science Center & Planetarium	5th July 2025
Dr. Manashi Bortamuly	Presented a Paper “Entitled Pre-Adult Stages and Host plant Association of Butterflies in Durgapur, Kaziranga National Park” at the International Seminar on Interdisciplinary Approaches for a Sustainable World.	CNB College Bokakhat in Collaboration with Bodoland University.	6 th & 7 th January, 2025
Dr. Manashi Bortamuly	Presented a paper entitled “Effect of Juvenile Hormone Analogue (Methoprene) on post cocoon characteristics of Muga silk Worm <i>Antheraea assamensis</i> ” in the ICSSR sponsored 2-day Collaborative International Conference on “Prospects and possibilities of Golden threads (Muga) of Assam: A path towards Vikshit Bharat”.	ICSSR.	6-7 February 2025
Dr. Manashi Bortamuly	Presented a paper on “A study on butterflies and larval host plants around Kaziranga National Park” by Ritupan Baruah and Manashi Bortamuly in the North East Butterfly meet held at Kaziranga National Park.	North East Butterfly Meet Held at Kaziranga National Park.	27 th – 28 th September, 2024.
Dr. Manashi Bortamuly	Attended 5 days Residential workshop on “Axomia Translation” organized by National Book Trust of India at Jorhat.	National Book Trust of India.	23 rd – 27 th October, 2024
Dr. Manashi Bortamuly	Joint Convenor of one week workshop on ‘Research Project, Fund acquisition, Effective strategies, Techniques and Smart interaction’	Organised by IBT Hub, N. N. Saikia College, Titabar & C. S. Central Library	24 th – 30 th June, 2025
Dr. Manashi Bortamuly	Organized an event of awareness programme on “Snake bite” as coordinator (online mode).	Teachers Unit Nanda Nath Saikia College.	4th July 2024
Dr. Manashi Bortamuly	Organized an ICSSR sponsored 2-Days collaborative conference on “Prospect and Possibilities of Golden Threads (Muga) of Assam: A path towards Vikshit Bharat; at Tezpur University.	ICSSR.	6 th – 7 th February, 2025.

Mitali Chetia	Presented a paper entitled “Pollution Indicators in the gut of <i>Mystus cavasius</i> from the Kakodonga River of Golaghat District, Assam India” at the International Seminar on Interdisciplinary Approaches for a Sustainable World (ISS-2025).	Organised by CNB College Bokakhat in Collaboration with Bodoland University.	6 – 7 January, 2025
Dr. Jafrin Farha Hussain	Member of Organising Committee of one week workshop on ‘Research Project, Fund acquisition, Effective strategies, Techniques and Smart interaction’	Organised by IBT Hub, N. N. Saikia College, Titabar and C. S. Central Library.	24 th – 30 th June, 2025
Dr. Jafrin Farha Hussain	Presented a paper entitled “Adaptive capabilities of selected fishes in a dwindling hill stream of Assam” at the International Seminar on Interdisciplinary Approaches for a Sustainable World	Organised by CNB College Bokakhat in Collaboration with Bodoland University	6 – 7 January, 2025
Dr. Jafrin Farha Hussain	Presented a paper 5 th Edition of the World Aquaculture, Fisheries and Sea Food Conference 2025 at Rome, Italy	Organised by Magnus Group llc.	9 – 11 June, 2025
Dr. Jafrin Farha Hussain	Acted as a Resource Person in the Programme organised on the occasion of World No Tobacco Day at MRS Higher Secondary School, Titabar	Organised by Geographical Forum, Department of Geography, Nanda Nath Saikia College, Titabar.	31 st May, 2025
Dr. Samim Dullah	Presented a paper entitled “Ethnicity and Biodiversity of North East India giving emphasis to Biodiversity Conservation Issues” at the National Seminar on Ethnicity, Identity and Culture: Exploring the North-East of India at Digboi College.	Organised by IQAC, Digboi College (Autonomous), Digboi	21 st December, 2024
Dr. Samim Dullah	Member of Organising Committee of one week workshop on ‘Research Project, Fund acquisition, Effective strategies, Techniques and Smart interaction’	Organised by IBT Hub, N. N. Saikia College, Titabar and C. S. Central Library.	24 th – 30 th June, 2025

Departmental Activities

Sl. No.	Name of the Event	Date
1.	Freshmen Social and Meeting of Zoological Society N. N. Saikia College	17.08.2024
2.	Parent-Teachers’ Meet and Inauguration of Wall Magazine ‘Panchajanya’	13.09.2024
3.	World Ozone Day Celebration	16.09.2024
4.	Field Trip 3 rd Semester and Celebration of Big Butterfly Month 2025	19.09.2024
5.	National Wildlife Week Celebration (In collaboration with Zoological Society)	2 nd - 8 th Oct, 2024
6.	Students Field Trip of 5 th Semester to Kaziranga National Park	19.10.2024
7.	National Science Day Celebration (All Science Departments in association with Assam Science Society, N. N. Saikia Branch)	28.02.2025

Sl. No.	Name of the Event	Date
8.	World Wildlife Day Celebration	03.03.2025
9.	World Sparrow Day Celebration	20.03.2025
10.	Field trip to Central Muga Eri Research and Training Institute, (CMERTI), Lahdoigarh	21.03.2025
11.	Field Visit to Fisheries Research Center, Assam Agricultural University, Jorhat by 6 th Semester Students	07.04.2025
12.	Farewell of 6 th Semester (2022-25 batch) and Inauguration of Handwritten magazine “Pakhi”	11.04.2025
13.	Popular talk on "An insight into Indian Forest Service Examination pattern and preparation” by Dimpi Bora, IFS	29.04.2025
14.	Celebration of World Environment Day 2025 at Pragati M. E. School, Namchungi (Extension activity of Zoological Society)	05.06.2025
15.	Celebration of International Day of Yoga by Teachers’ Unit of N. N. Saikia College in collaboration with the Departments of Zoology, Geography, Economics and Education	21.06.2025

Students’ Activities

Sl. No.	Name of the Event	Date
1.	Parents-Teachers Meet & Inauguration of Wall Magazine ‘Panchajanya’	13.09.2024
2.	Farewell of 6 th Semester (2022-25 batch) and Inauguration of Handwritten magazine “Pakhi”	11.04.2025

Students’ Achievements (Co-curricular Activities)

1. Partha Hazarika- Best Debator
2. Partha Hazarika- 3rd Prize in speech competition
3. Partha Hazarika-3rd Prize in Extempore speech
4. Partha Hazarika and Geetimoni Borgohain- 1st Prize in Bride and Groom Competition
5. Miss Jublee Konwar- 3rd Prize in Nila Khamor Sithi
6. Miss Jublee Konwar & Group – 3rd prize in Rangoli Competition
7. Miss Jublee Konwar & Group – 3rd prize in Antakshri Competition
8. Miss Pragyashree Kaushik- 2nd prize in water colour competition
9. Miss Pragyashree Kaushik- 2nd prize in sketching competition
10. Miss Pragyashree Kaushik- 2nd prize in drawing competition
11. Miss Jinnat Rahman- 2nd prize in Tekeli Bhonga competition
12. 3rd Prize in Cultural Rally – Department of Zoology
13. Ankuran Hazarika – 3rd prize in 100 metres race

14. Ankuran Hazarika - 3rd prize in shotput
15. Ankuran Hazarika – 1st prize in discuss throw
16. Ankuran Hazarika – 1st Prize in Relay race
17. Runners up in Cricket – Zoology Department
18. Runners up in Volleyball - Zoology Department

Zoological Society of Nanda Nath Saikia College

The Department of Zoology has a daughter association called “Prani-Vigyan Samaj” which was formed on 3rd August, 2004 comprising of all the faculty members and students (present and alumni) of the department with the sole aim of the overall upliftment of the students, and for raising awareness on the importance of Zoology among the society.

Executive body:

- **President-** Dr. Manashi Bortamuly, Assistant Professor
- **Secretary-** Dr. Jafrin Farha Hussain, Assistant Professor
- **Student Executive Members:** Bristi Kachari, Manash Kachari, Debasish Thengal, Debasish Chutia, Himadri Borah, Priya Sonowal, Saurav Dutta, Gitimoni Borgohain, Surajit Das, Ankuran Hazarika, Jinnat Rahman, Priyanshu Borah, Sneha Handique.

Activities Undertaken by Zoological Society, N. N. Saikia College

Sl. No.	Name of the Event	Date
1.	World Ozone Day Celebration	16.09.2024
2.	Field Trip 3 rd Semester and Celebration of Big Butterfly Month 2025	19.09.2024
3.	National Wildlife Week Celebration	02.10.2024 to 08.10.2024
4.	World Wildlife Day Celebration	03.03.2025
5.	World Sparrow Day Celebration	20.03.2025
6.	Extension Activity on “Alcohol Abuse and Yoga for Mental Health” at Pragati M. E. School, Namchungi	10.04.2024
7.	Celebration of World Environment Day 2025 at Pragati M. E. School, Namchungi (Extension activity of Zoological Society)	05.06.2025

SNAPSHOTS OF SOME EVENTS



World Ozone Day 16.09.2024



**Departmental Wall Magazine
“Panchajanya”**



Departmental Freshmen Social



Departmental Bulletin Inauguration



Inauguration of “Pakhi”



International Yoga Day 2025

SNAPSHOTS OF SOME EVENTS



National Wildlife Week 2024



Field Visit to CMERTI Ladoigarh



Parents-Teachers Meet 13.09.2024



Popular talk on "An insight into IFS Examination pattern & preparation"

Parents-Teachers Meet 13.09.2024



SNAPSHOTS OF SOME EVENTS



National Science Day Celebration 28.02.2025



6th Semester Students' Field Visit to FRC, AAU 07.04.2025



Extension Activity on Beating Plastic Pollution at Pragati ME School, Namchungi on 05.06.2025



Farewell 2022-25 Batch



World Environment Day 2025 at Pragati ME School Namchungi