

Activities of Zoology Department, Women's College, Agartala under DBT Star College Scheme

31st December 2021 to 31st March 2022

Laboratory Visit Programme jointly organized by Department of Zoology and Department of Botany

A “**Visit to the Advanced State Biotech Hub, Tripura University**” was conducted jointly by the Department of Zoology and Department of Botany on 03/02/2022.

Targeted UG Students: 3rd Semester Major & 5th Semester Major of dept. of Zoology and Botany

Outcomes: Students have visited the Advanced State Biotech Hub, Tripura University where the demonstration motivated them to come into research in future. Students learnt the uses of different sophisticated equipments/instruments (such as Hot air oven, centrifuge, UV Vis Spectrophotometer, protein gel apparatus, Ice maker, Laminar flow, Analytical balance etc).

Site Visit Programme organized by Department of Zoology

A “**Visit to the Sepahijala Wildlife Sanctuary and Clouded leopard National Park**”, Tripura was conducted by the Department of Zoology on 16/03/2022.

Targeted UG Students: 3rd Semester Major & 5th Semester Major of Dept. of Zoology.

Outcomes: Students have visited this wildlife sanctuary which is the habitat of different species of primates like Rhesus macaque, Pigtailed macque, Capped langur, Spectacled monkey, Slow loris, jungle fowl, clouded leopard, Barking, Deer, Wild pig etc

Popular talk series organized by Department of Zoology

1. Popular talk entitled “**Eutrophication- A Global Aquatic Environmental Problem**” delivered by Dr. Saumen Chakrabarti, Assistant Professor, Department of Zoology, Women's College, Agartala on 20/01/2022.

Targeted UG Students: 3rd Semester Zoology Major & 5th Semester Zoology Major

Outcomes: Awareness about eutrophication as it has become a global aquatic environmental problem. Students learnt the causes, consequences and minimization of eutrophication.

2. Popular talk entitled “**The role of taxonomy in conserving biodiversity**” delivered by Dr. K.V. Geetha, Assistant Professor, Department of Zoology, Women's College, Agartala on 20/01/2022.

Targeted UG Students: 3rd Semester Zoology Major & 5th Semester Zoology Major

Outcomes: The importance of taxonomy in conserving biodiversity was discussed in this talk. How the students can contribute in conserving biodiversity by acquiring the knowledge of taxonomy for identifying and classifying to keep track of the biodiversity around them and thus taking measures to conserve it.

3. Popular talk entitled “**Covid 19 and its impact on Higher Education with reference to National and Global Academic Scenario**” delivered by Dr. Saumen Chakrabarti, Assistant Professor, Department of Zoology, Women's College, Agartala, Tripura on 04/02/2022.

Targeted UG Students: 3rd Semester Zoology Major & 5th Semester Zoology Major

Outcomes: During Covid 19 pandemic, the structure of the national and global higher education system i.e. learning methodology, teaching techniques and assessment methodologies is quite

affected, resulting in a shift to online education with most focus on virtual education. Lack of training, awareness, lack of interest and doubts regarding the usefulness of virtual classes are found to be the significant drawbacks of virtual classes in teacher's perspectives. Less attendance, lacks of interaction due to connectivity issues are found to be the significant drawbacks of virtual classes in student's perspectives.

4. Popular talk entitled "**Taxonomy of Cerambycidae(Longhorned Beetles)**" delivered by Dr. K.V. Geetha, Assistant Professor, Department of Zoology, Women's College, Agartala on 04/02/2022.

Targeted UG Students: 3rd Semester Zoology Major & 5th Semester Zoology Major

Outcomes: The process of identifying and classifying a group of living organisms was discussed by taking the case of long horned beetles which are economically very important for an ecosystem. The tools and techniques as well as the procedure involved in taxonomy was discussed in detail. This talk was intended to make aware the students regarding the process of taxonomy and creating an interest in the large biodiversity existing all around them and importance of recording them.

5. Popular talk entitled "**Greenhouse effect and its impact on Global Climate**" delivered by Dr. Saumen Chakrabarti, Assistant Professor, Department of Zoology, Women's College on 11/02/2022.

Targeted UG Students: 3rd Semester Zoology Major & 5th Semester Zoology Major

Outcomes: Awareness about global warming. Students also learnt the consequences of Global Climate Change. They learnt that glaciers globally would continue to melt, coastal flooding from rising sea levels, patterns of Rainfall will change, more frequent and severe droughts occur, hurricanes, typhoons and cyclones would probably become more frequent and intense, wildlife will find it hard to adapt changes in climate and habitat, sea warming reduces supplies of plankton, competition for scarce water resources would increase, people would be forced to depend on poor-quality water which in-turn would lead to an increase in water-borne diseases

Invited lectures organized by Department of Zoology

1, Invited lectures entitled "**Human disease and protection**" delivered by Prof. Debashish Maity Professor, Department of Human Physiology, Tripura University on 07/03/2022.

Targeted UG Students: 3rd Semester Zoology Major & 5th Semester Zoology Major

Outcomes: Students learnt that the human immune system has two levels of immunity: specific and non-specific immunity. Through non-specific immunity, also called innate immunity, the human body protects itself against foreign material that is perceived to be harmful. In contrast to innate immunity, specific immunity allows for a targeted response against a specific pathogen

2. Invited lectures entitled "**Common Crop Pests & Their Integrated Management Approaches for Sustainable Agriculture**" delivered by Dr. Dilip Nath, Assistant Professor Department of Science and Technology, ICFAI University, Kamalghat, Tripura(West) on 14/03/2022.

Targeted UG Students: 3rd Semester Zoology Major & 5th Semester Zoology Major

Outcomes: Students learnt that the Agricultural crops are attacked by a wide variety of pests, the most important being insects, mites, nematodes and gastropod molluscs. The damage they do results both from the direct injury they cause to the plants and from the indirect consequences of the fungal, bacterial or viral infections they transmit. A strategic approach to crop-pest control, IPM aims to minimize pest populations by combining environmentally friendly pest-control methods and economically viable farming practices.

Photo Gallery

Activities of Zoology Department, Women's College, Agartala under DBT Star College Scheme



Visit to the Advanced State Biotech Hub, Tripura University on 03/02/2022



Visit to the Sepahijala Wildlife Sanctuary and Clouded leopard National Park on 16/03/2022



Visit to the Sepahijala Wildlife Sanctuary and Clouded leopard National Park on 16/03/2022



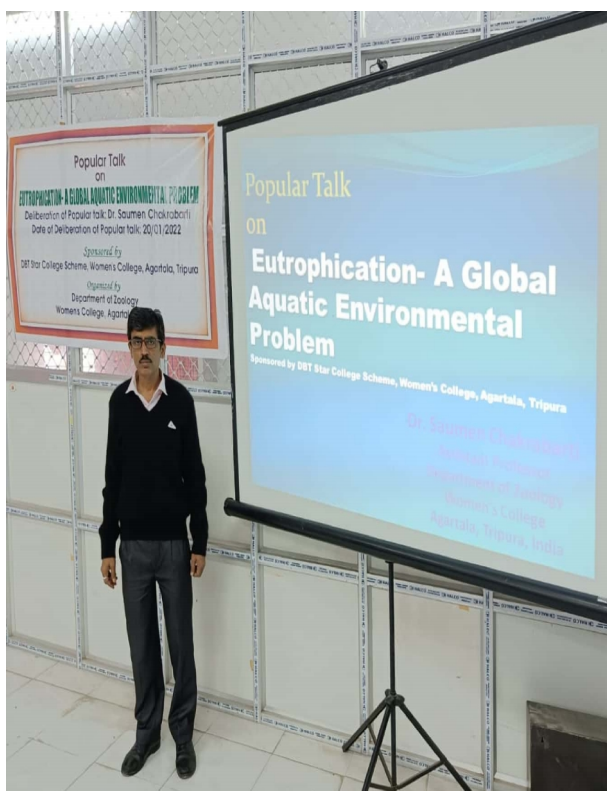
Prof. Debashish Maity delivered an invited talk entitled “**Human disease and protection**” on 07/03/2022



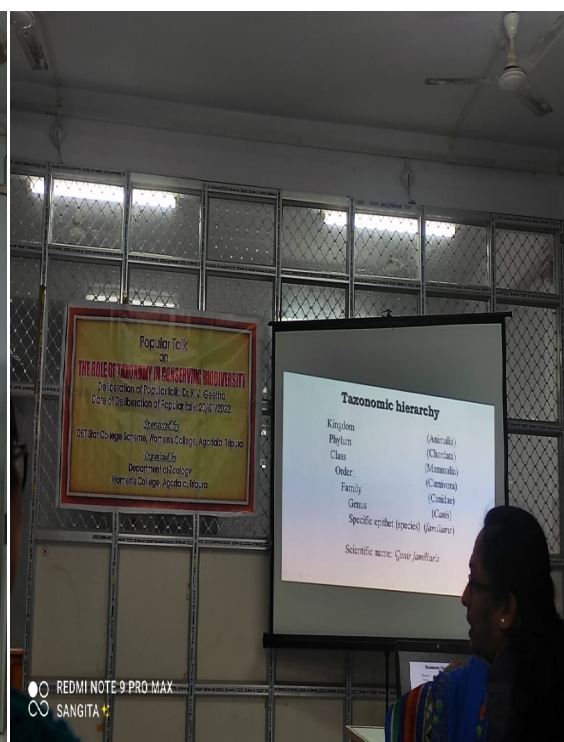
Dr. Dilip Nath delivered an invited talk entitled **“Common Crop Pests & Their Integrated Management Approaches for Sustainable Agriculture”** on 14/03/2022.



Dr. Saumen Chakrabarti delivered a popular talk entitled **“Covid 19 and its impact on Higher Education with reference to National and Global Academic Scenario”** on 04/02/2022



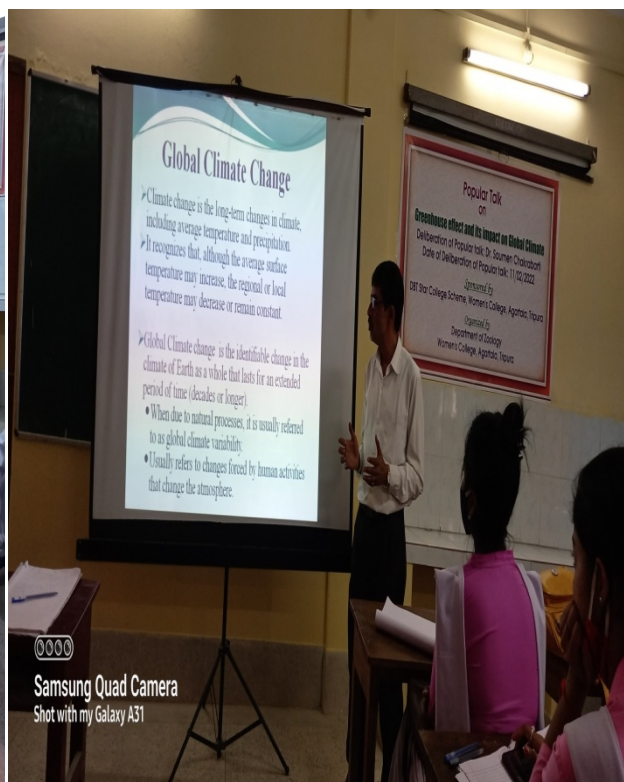
Dr. Saumen Chakrabarti delivered a popular talk entitled “**Eutrophication- A Global Aquatic Environmental Problem**” on 20/01/2022.



Dr. K.V. Geetha delivered a popular talk entitled “**The role of taxonomy in conserving biodiversity**” on 20/01/2022



Dr. K.V. Geetha delivered a popular talk entitled “Taxonomy of Cerambycidae(Longhorned Beetles)”on 04/02/2022



Dr. Saumen Chakrabarti delivered a popular talk entitled “Greenhouse effect and its impact on Global Climate” on 11/02/2022

2022-2023

Ongoing Project Report of Undergraduate Students

Zoology Department, Women's College, Agartala

1. Project work on “**Observations on taxonomical features of rotifer zooplankton of genus *Brachionus* in a pond ecosystem of Tripura, India**” under supervision of Dr. Saumen Chakrabarti, Assistant Professor, Department of Zoology, Women's College, Agartala.

Name of the Student: Sangita Chanda, 6th Semester Zoology Major

2. Project work on “**Observations of taxonomy on cladoceran zooplankton in a perennial pond ecosystem of Tripura, India**” under supervision of Dr. Saumen Chakrabarti, Assistant Professor, Department of Zoology, Women's College, Agartala.

Name of the Student: Sarbani Bhattachargee, 6th Semester Zoology Major

3. Project work on “**Observations on rearing practices of three freshwater aquarium fishes (Goldfish, Angel, Gourami) in the laboratory**” under supervision of Dr. Saumen Chakrabarti, Assistant Professor, Department of Zoology, Women's College, Agartala.

Name of the Student: Srabanti Majumder, 6th Semester Zoology Major

4. Project work on “**Market studies of edible fishes in the local fish markets of Agartala, Tripura, India**” under supervision of Dr. Saumen Chakrabarti, Assistant Professor, Department of Zoology, Women's College, Agartala.

Name of the Student: Priya Roy, 6th Semester Zoology Major

5. Project work on “**Observations on rearing practices of poultry farming at Salbagan, Agartala, Tripura**” under supervision of Dr. Saumen Chakrabarti, Assistant Professor, Department of Zoology, Women's College, Agartala.

Name of the Student: Debadrita Debnath, 6th Semester Zoology Major

6. Project work on “**Establishment of nursery of common medicinal plants in Women's College campus, Agartala, Tripura**” under supervision of Dr. Saumen Chakrabarti, Assistant Professor, Department of Zoology, Women's College, Agartala.

Name of the Student: Manadita Reang, 6th Semester Zoology Major

7. Project work on “**Observations on rearing practices of duck farming at Bodhjung Nagar, Agartala, Tripura**” under supervision of Dr. Saumen Chakrabarti, Assistant Professor, Department of Zoology, Women's College, Agartala.

Name of the Student: Sushila Reang, 6th Semester Zoology Major

8. Project work on “**Studies on taxonomy of copepod zooplankton in a perennial pond ecosystem of Tripura, India**” under supervision of Dr. Saumen Chakrabarti, Assistant Professor, Department of Zoology, Women's College, Agartala.

Name of the Student: Sagarika Dey, 6th Semester Zoology Major

9. Project work on **“Study on the diversity of bird fauna in west Tripura, Tripura,(Northeast India)”** under supervision of Dr. K.V. Geetha, Assistant Professor, Department of Zoology, Women’s College, Agartala.

Name of the Student: Sukanya Chakraborty, 6th Semester Zoology Major

10. Project work on **“Diversity of Butterfly fauna in Sepahijala, Tripura”** under supervision of Dr. K.V. Geetha, Assistant Professor, Department of Zoology, Women’s College, Agartala.

Name of the Student: Payel Debnath, 6th Semester Zoology Major

11. Project work on **“Study on the diversity of spider in Tripura”** under supervision of Dr. K.V. Geetha, Assistant Professor, Department of Zoology, Women’s College, Agartala.

Name of the Student: Sanchita Paul, 6th Semester Zoology Major

12. Project work on **“A study on the diversity of insects visiting flowering plants in Aralia, West Tripura(Tripura, Northeast India)”** under supervision of Dr. K.V. Geetha, Assistant Professor, Department of Zoology, Women’s College, Agartala.

Name of the Student: Ananya Chowdhury, 6th Semester Zoology Major

13. Project work on **“A survey of insect pest of cultivated vegetables in kachuchhara, Dhalai, Tripura”** under supervision of Dr. K.V. Geetha, Assistant Professor, Department of Zoology, Women’s College, Agartala

Name of the Student: Sebika Sarkar, 6th Semester Zoology Major

14. Project work on **“Study on agricultural pest of Tripura”** under supervision of Dr. K.V. Geetha, Assistant Professor, Department of Zoology, Women’s College, Agartala under supervision of Dr. K.V. Geetha, Assistant Professor, Department of Zoology, Women’s College, Agartala

Name of the Student: Sanlawmi Kaipeng, 6th Semester Zoology Major

15. Project work on **“Study on the diversity of Ants (Hymenoptera formicidae) from urban & rural areas of South & West Tripura”** under supervision of Dr. K.V. Geetha, Assistant Professor, Department of Zoology, Women’s College, Agartala

Name of the Student: Tanika Debnath, 6th Semester Zoology Major

16. Project work on **“A field study of insects of tea garden of Tripura”** under supervision of Dr. K.V. Geetha, Assistant Professor, Department of Zoology, Women’s College, Agartala under supervision of Dr. K.V. Geetha, Assistant Professor, Department of Zoology, Women’s College, Agartala

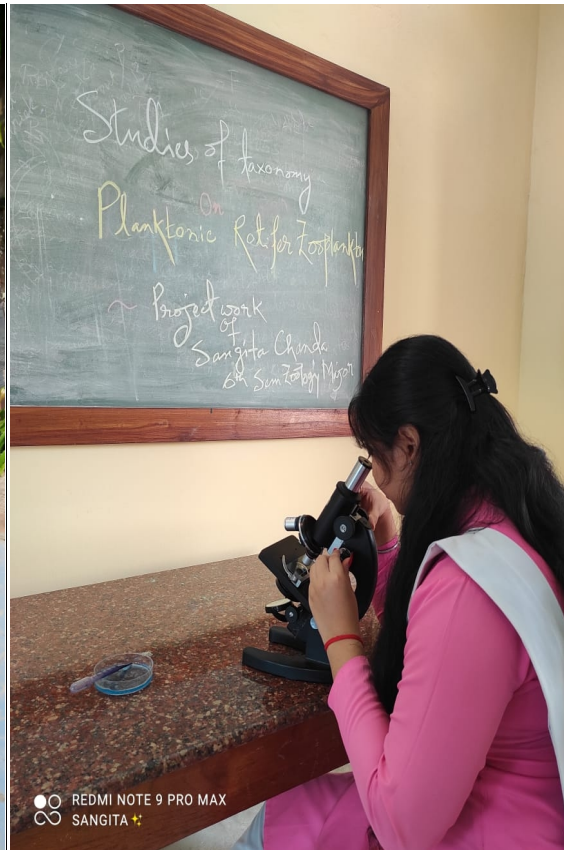
Name of the Student: Deepsmitta Saha , 6th Semester Zoology Major

Photo Gallery

Photo Gallery reflects ongoing project of Undergraduate Students,
Department of Zoology, Women's College, Agartala



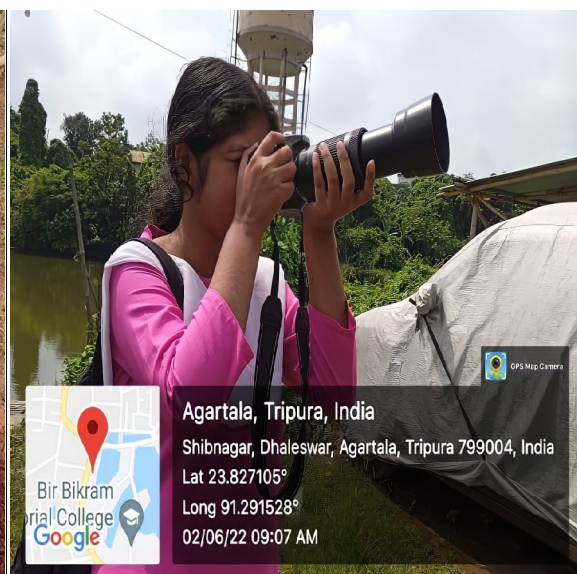
Sarbani Bhattacharjee is doing her project work



Sangita Chanda is doing her project work



Manadita Reang is doing her project work



Sukanya Chakraborty is doing her project work



Srabanti Majumder is doing her project work



Priya Roy is doing her project work



Sagarika Dey is doing her project work



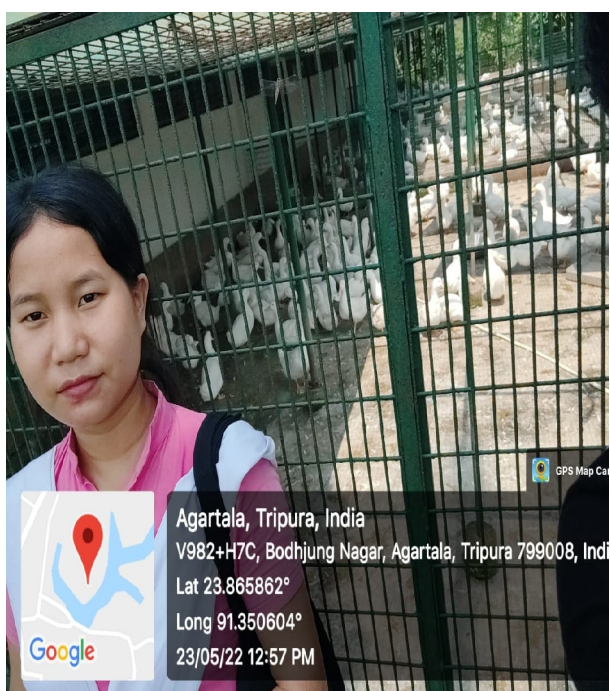
Ananya Chowdhury is doing her project work



Tanika Debnath is doing her project work



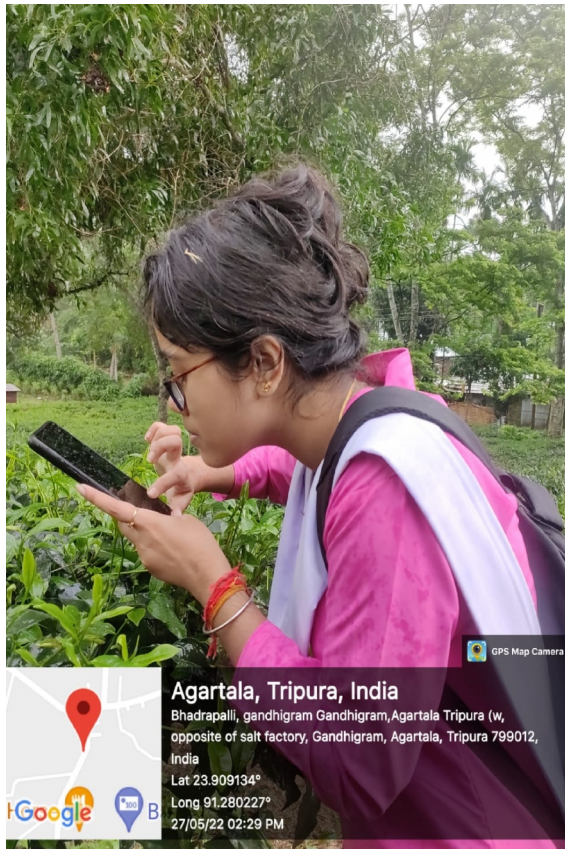
Debadrita Debnath is doing her project work



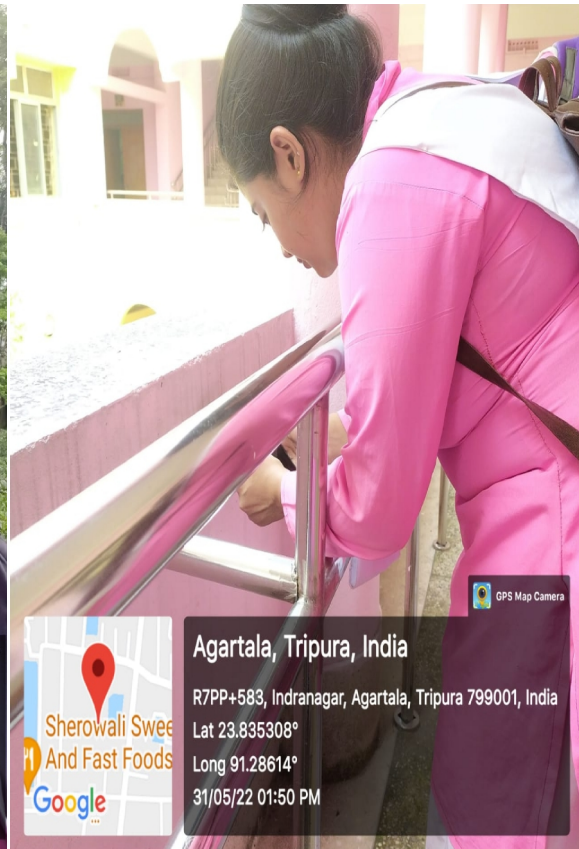
Sushila Reang is doing her project work



Sebika Sarkar is doing her project work



Deepmita Saha is doing her project work



Sanchita Paul is doing her project work
