

# Tezpur University Science Graduate Research Conclave (TU-GradSciCon-2025)

(National Level)

**February 10 & 11, 2025**

School of Sciences, Tezpur University

School of Sciences, Tezpur University successfully organized the first edition of the Tezpur University Science Graduate Research Conclave-2025 (TU-GradSciCon-2025). The two-day national conclave held on February 10 & 11, 2025, aimed to provide a platform for Master's final-year and Ph.D. students from different parts of the country to present their work and foster a culture of collaboration.



Initiated by Prof. Robin Kumar Dutta, Dean, School of Sciences, this pioneering event was primarily organised by five student coordinators Mr. Anurag Jayswal, (Molecular Biology and Biotechnology), Mr. Firdous Ee Jannat, (Mathematical Science), Ms. Rebekha Mushahary (Environmental Sciences), Mr. Rishan Dev Choudhury (Physics) and Mr. Saranga Baishya (Chemical Sciences) along with 15 volunteers and faculty coordinator cum convenor Prof. Shuvam Sen, Head, Department of Mathematical Sciences. The Conclave held in the council hall with a few parallel sessions in the Department of Chemical Sciences was joined by 100 participants from all over the country covering six disciplines: Mathematical Sciences, Physics, Chemical Sciences, Life Sciences, Environment and Earth Sciences, and Multidisciplinary Sciences. The participants mostly presented either a poster or gave oral presentations. A few also joined as only participants and took part in discussions. It is heartening to note that the five student coordinators and fifteen student volunteers all contributed in the form of posters/oral presentations. The conclave provided a unique platform for young researchers to enhance their academic and communication skills. It facilitated scientific knowledge management, offered feedback from peers and experts, and addressed pressing scientific issues. The organizers are grateful to Pollution Control Board, Assam for promised financial support limited to Rs. 50,000.00. Organizers also approached Numaligarh Refinery Limited for additional financial funding and were assured of support although the approval for the same is awaited at the time of writing of this report.

The conference began with the inaugural session on February 10, 2025. Ms. Rebekha Mushahary, student coordinator, began with the welcome address followed by Prof. Shuvam Sen, Faculty Coordinator who highlighted the key aspects of the conference. Prof. Robin Kumar Dutta, Dean, School of Sciences, Tezpur University, talked about the importance of the conclave and its uniqueness and the role of students' participation. The inaugural session of the event was graced by the presence of Prof. Raza Rafiqul Hoque, Dean, Academic Affairs, Tezpur University, who delivered an insightful address on the essential skills required for researchers. Prof. Hoque emphasized the importance of decision-making skills in research, highlighting how independent decision-making is crucial for researchers to excel in their respective fields. He elaborated on the need for autonomy in research, encouraging scholars to cultivate the ability to make informed and independent choices.

Dr. Rubul Mout, Research Fellow, Harvard University, USA graced the occasion (online) with the talk “*The Joy of Discovery*”. He shared his insights and experiences on the thrill of scientific discovery and the importance of curiosity in advancing knowledge. He emphasized the significance of embracing challenges, thinking creatively, and staying persistent in the quest for new knowledge. Dr. Mout’s engaging talk was filled with anecdotes from his journey in the field, which resonated with the audience and sparked enthusiasm among the young researchers.



The inaugural session concluded with the “Vote of Thanks” by Anurag Jayswal, student coordinator followed by singing of the National Anthem. The session was gracefully hosted by Research Scholar, Ms. Anwesha Chaliha.



Inaugural session was followed with a “Poster session” where 35 participants from different institution across the country including Tezpur University participated.



With four parallel oral sessions on Physics, Life Sciences, Environmental Sciences and Multidisciplinary Sciences, Day 1 of TU-GradSciCon-2025 culminated with a conference dinner.



On 11<sup>th</sup> February (Day2), four oral sessions on Chemical Sciences and Mathematical Sciences were held parallelly. A total of 48 oral presenters participated in the conference.

Day-2 of TU-GradSciCon-2025 ended with a concluding session. Dr. Sumit Kumar, Scientist G, Bhaba Atomic Research Centre, Mumbai and Prof. Prasenjit Ghosh, Centre for Earth Sciences, Indian Institute of Science, Bengaluru, delivered keynote lectures during the session.



Certificates of “participation” and “best oral presenters” for each session were also distributed in that session. The closing remarks were delivered by Mr. Firdous Ee Jannat, student coordinator and the session was hosted by student coordinator Mr. Saranga Baishya.

Some facts related to the conference are:

**No. of Participants: 100**

**Registration fee: Rs. 500.00 (exempted for 5 student coordinators and 15 volunteers)**

**Accommodation 11 participants (8 F + 3 M) were provided hostel accommodation.**

**Poster presentation 35**

**Oral presentation 48**

**Only participated 17 (All such participants paid mandatory registration fee).**

**Subjects covered Physics, Chemical Sciences, Life Sciences, Mathematical Sciences, Environmental Sciences, Multidisciplinary**

**Best Oral Presentation:**

**1. Chemical Sciences:**

Oral session (A1): Salma Akhtara Khanam (Tezpur University)

Oral session (A2): Plaban Sakia (NIT Meghalaya)

**2. Environmental and Earth Sciences:**

Oral session (A3): Anamika Nath (Tezpur University)

**3. Life Sciences:**

Oral session (A4): Rituraj Chakraborty (Tezpur University) & Babli Sharma (Tezpur University)

**4. Mathematical Sciences:**

Oral session (A5): Pranjal Talukdar (Tezpur University)

Oral session (A6): Abhishek Sarma (Tezpur University)

**5. Multidisciplinary Sciences:**

Oral session (A7): Rituparna Saikia (Tezpur University)

**6. Physical Sciences:**

Oral session (A8): Arnab Sarker (Tezpur University)



The organizers of TU-GradSciCon-2025 wish to extend their profound gratitude to all individuals whose efforts and support have been instrumental in the realisation of this event. The organizers extend heartfelt appreciation to the distinguished speakers, session chairs presenters and mentors whose valuable insights and expertise have significantly enriched the conference's intellectual discourse. Additionally, the organizers also acknowledge the unwavering dedication of the volunteers, whose tireless efforts have been paramount to the seamless planning and execution of the conference. The organisers would like to specially thank the faculty advisors Dr. Bipul K. Sarmah, Dr. Jugal Lahkar, Dr. Mohini M. Konai, Dr. Pankaj Barah and Dr. Pratibha Deka whose guidance and support were crucial to the success of the event. Lastly, the organizers extend their sincere thanks to Tezpur University for providing comprehensive support ensuring the smooth and successful conduct of TU-GradSciCon-2025.

Dated: 25.02.25, Place: Tezpur University

