



PRAVAHA 2023

(Water Technical Fest of Department of Hydrology)

organised by

**Department of Hydrology
IIT Roorkee**

to celebrate

World Water Day 2023

and

Research Scholar's Day

on

22nd March 2023

The Department of Hydrology at IIT Roorkee celebrated World Water Day on 22nd March 2023 by organizing the Research Scholars' Day as part of the Pravaaha series. The event aimed to provide a platform for research scholars to present their work, interact with their peers, and learn from experts in the field of hydrology. The event was inaugurated by two distinguished guests, Prof M L Sharma, the acting Director of IIT Roorkee, and Prof Thomas Boving from University of Rhode Island, and featured keynote sessions, panel discussions, a poster session, and a quiz on water day. The event was well-received by the participants, including the research scholars, alumni, and faculty members, who appreciated the opportunity to engage in insightful discussions and gain a better understanding of the latest advancements in the field of hydrology. This report summarizes the activities and outcomes of the Research Scholars' Day organized by the Department of Hydrology on World Water Day. The schedule for the event was designed to provide a balance of learning and networking opportunities, with breaks for lunch and tea. The table below provides a detailed schedule of the event.

Time	Events
10:30 am - 10:50 am	Inaugural Session
10:50 am - 11:15 am	High Tea
11:15 am - 12:00 pm	Keynote talk #1 (Prof. Thomas Boving, University of Rhode Island) Topic: Riverbank Filtration
12:00 pm - 12:45 pm	Keynote talk #2 (Prof. Sharad Jain, IIT Roorkee)
12:45 pm - 01:15 pm	Debate (Topic: Is climate change impacting the global economy?)
01:15 pm - 02:15 pm	Lunch Break
02:15 pm - 03:00 pm	Panel Discussion #1: Alumni and Academia Panellist: <ul style="list-style-type: none"> • Dr Vivek Gupta, Assistant Professor, IIT Mandi • Dr Abhishek, Assistant Professor, IIT Roorkee
03:00 pm - 03:45 pm	Panel Discussion #2: Science and Society
03:45 pm - 04:15 pm	Panel Discussion #3: Research Awards and Fellowships
04:15 pm - 05:15 pm	Poster Presentations
05:15 pm - 05:40 pm	Water Quiz
05:40 pm - 06:00 pm	Valedictory Session and Announcement of Results



Figure 1 Group Photograph on the occasion of World Water Day 2023

The event commenced with an **inaugural session** at 10:15 AM, which was graced by two esteemed guests, Prof M L Sharma (Dean, Finance and Planning, and acting Director of IIT Rorokee) as chief guest and Prof Thomas Boving, University of Rhode Island, as the guest of honour. The Head of the Department, Prof Brijesh Kumar Yadav, and the Faculty Coordinator, Ashutosh Sharma, joined the guests on the dais and delivered their inaugural speeches. A photo session and high tea on the department lawn followed the inaugural session.



Figure 2 Inaugural function at the conference hall of Hydrology Department.

The event continued with **two keynote sessions** in the conference hall, from 11:15 AM to 1:15 PM during the event. The first session was delivered by Prof. Thomas Boving, who spoke on River bank Filtration. The second session was presented by Prof. Sharad Jain from IIT Roorkee, who delivered a keynote speech on Sustainable water Resources management in Punjab state of India. The audience well-received the sessions and provided valuable insights into the relevant topics.

Following the keynote sessions, the event took a short break for lunch. The event then resumed with a panel discussion session on the topic of **Alumni and Academia**. The panellists were Dr. Vivek Gupta, Assistant Professor at IIT Mandi, and Dr. Abhishek, Assistant Professor at IIT Roorkee. During the session, the panellists shared their journey from their student life to their current faculty positions in IITs and answered questions from the audience. The session ended at 4:15 PM. Additionally, during this time, a parallel poster session was conducted on the department's lawn, which started at 3:00 PM.



Figure 3 Felicitation of Alumni by Head of Department and Faculty Coordinator.

The **poster session** held during the event was a significant opportunity for students to share their research work with experts and fellow research scholars. The session provided a platform for participants to receive valuable feedback and comments on their work, leading to meaningful discussions and potential collaborations. Overall, the poster session proved to be an important aspect of the event, as it allowed students to showcase their work and engage with other professionals in the field.



Figure 4 Poster session and discussion at the lawn of the department.

The second-panel discussion of the event had an interesting theme of **Science and Society**, where a group of sponsored candidates pursuing their Masters and sponsored by various state and central water agencies, including International participants, participated. The panel discussion was led by these sponsored students, who enthusiastically presented their views on the significance of academic knowledge for the betterment of their organization and shared potential opportunities in different organizations. Being working professionals, the panellists shared their valuable insights and experiences, making the discussion engaging and informative for all participants. The panel discussion ended at 5:10 PM.

A captivating session of the day was the **World Water Day Quiz**, which began at 5:10 PM and concluded at 5:40 PM. The quiz attracted the participation of all the students. The event's closing session started at 5:40 PM with the presence of the Head of the Department, Faculty Coordinator, and Professor Baskar Jyoti Deka. The HOD and Faculty Coordinator shared their views on the event and emphasized its importance. The poster session winners were announced, and certificates of participation were distributed to all participants and panellists by the HOD. The HOD congratulated the Team Pravaaha, and certificates were presented to them. Finally, the day ended with tea for all the students.



Figure 5 Memorable Moments: Capturing the Closing Ceremony with Team Parvaah and Head of the Department.

In conclusion, the Department of Hydrology at IIT Roorkee successfully organized the Research Scholars' Day as part of the Pravaaha series to celebrate World Water Day. The event provided a platform for the research scholars to showcase their work and also learn from other scholars, alumni, and experts in the field of hydrology. The keynote sessions, panel discussions, poster sessions, and quiz on water day were informative and engaging, highlighting the importance of water resources and their sustainable management. The event was well-attended and received positive feedback from the participants, indicating the success of the event in achieving its objectives.

Organizing Team

Head of the Department:

Prof Brijesh Kumar Yadav

Faculty Coordinator:

Prof Ashutosh Sharma

Student team:

Subhanshu Sharma (Student Coordinator)

Tapobeeva Sahu (Student Co-coordinator)

Varun Basin

Deependra Choudhary

Shivani Parashar

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Report prepared by Pravaaha Team members (Kajal Gawai and Aman Kumar)