

## SERB - EEQ Sponsored



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प्रौद्योगिकी मंत्रालय  
MINISTRY OF  
SCIENCE AND  
TECHNOLOGY



## One Day Research Facility Training Program on

### Groundwater Quality Evaluation

(Under Scientific Social Responsibility (SSR) Policy of SERB)

10 May, 2024



Organised by

### Department of Geography

School of Earth Sciences  
Bharathidasan University  
(Accredited with A+ Grade by NAAC)  
Tiruchirappalli - 620 024  
Tamil Nadu

சோதனை கடந்து சுதந்திரம் அடைந்தோம்  
சாதனை புரிந்து சரித்திரம் படைப்போம்

## Book -Post

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Organising Secretary

Dr. P. Masilamani

Principal Investigator

SERB - EEQ Research Project

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### Conveners

Dr. R. Jegankumar

Professor and Head

Department of Geography  
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Tiruchirappalli - 620 024

Prof. K. Kumaraswamy

Emeritus Professor

Department of Geography  
Bharathidasan University  
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### Keynote Speaker

Prof. A. Balasubramanian

Former Professor

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Registration Link:

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## About the University

Bharathidasan University established in February 1982, and was named after the great revolutionary Tamil Poet, Bharathidasan (1891-1964). The motto of the University "We will create a brave new world". The University endeavours to be true to such a vision by creating the region a brave new world of academic innovation for social change. The university is accredited with A+ Grade by NAAC in the Third Cycle & 41st Rank among the Indian Universities in NIRF-2023. Conduct of International / National Level Conferences and Workshops for promoting healthy research is a regular practice of Bharathidasan University.

## About the Department

The Department of Geography was established in Bharathidasan University in July 2001 with the vision to conduct research in frontier and emerging areas of geography and to disseminate the knowledge to the community. Between 1997 and 2001 the faculty members of the Department of Geography were attached with the erstwhile School of Earth Sciences composed of Geography and Geology faculty members. The School started offering M.Tech Remote Sensing in 1994; M.Sc. Applied Geography and M.Phil Geography programmes in the year 1996 and 1999 respectively. The Department of Geography has vibrant faculty, undertaking a full range of degree programmes from five year integrated M.Sc., programme to Ph.D. in emerging and frontier areas of Geography. During the academic year 2002-2003, M.Tech programme in GIS was introduced and it was enhanced to M.Tech Geoinformatics since 2012. In the year 2006, the Department has introduced a five year integrated programme in Geosciences and later in the year 2014 it was changed into five year integrated programme in Geography. Then, Two Year M.Sc. programme in Geography was introduced in the year 2019. M.Phil in Geography was introduced in the year 2018. The University Grants Commission (UGC), New Delhi has awarded an Innovative Programme on Post Graduate Diploma in Geomatics to the Department in (2005-2010). The agencies like UGC, MEF, ISRO, DST, ICSSR and TNSCST have funded a number of research projects and fellowships to the Department. During 2008-2009, the UGC has awarded Special Assistance Programme (SAP) DRS Phase-I level (2009 – 2014) and DRS II (2015-2019) to the Department. The Indian Society of Remote Sensing (ISRS), Dehradun has housed its Tiruchirappalli Regional Chapter of ISRS at the Department. The Department regularly conducts Refresher courses and Summer schools for enhancing academic excellence of the teachers of higher educational Institutions. The Department conducts Indian Geographical Society's Talent Test for UG and PG students of geography in all the institutions in the state since 2010.

## Objective of the Training Program

Groundwater is the water stored beneath the Earth's surface in aquifers and it is an inevitable natural resource in an ecosystem. It is a critical source of drinking water for millions of people globally. For all anthropogenic needs like drinking, household, domestic, agricultural, industrial and other environmental activities, groundwater is the main source of support. Its quality refers to the chemical, physical, and biological characteristics. The groundwater quality of a region is influenced by various natural factors like lithological characteristics, geomorphology, soil conditions, climate, organic matter decay, topography and anthropogenic factors like domestic wastes, agricultural activities and industrial effluents. Groundwater quality is a fundamental aspect of water resources management and environmental protection. The evaluation of groundwater quality is important because it directly affects various human activities, ecosystems and public health. The quality of groundwater is crucial for safeguarding the public health and the ecosystem. So, acquiring the knowledge and monitoring the groundwater quality would help to reduce contamination events. Such actions can help to address the issues and develop effective management measures for sustainable groundwater quality.

This One Day Research Facility Training Program mainly aims to bring awareness about groundwater quality and its connection with humankind. This Training Program provides the context, outline objectives, and emphasises the significance of addressing groundwater quality. The main objective of event is to deepen the understanding of the complex dynamics affecting groundwater, develop a collective vision for sustainable groundwater management and enhance public awareness of the importance of groundwater quality and conservation. **This Training Program is blended with theoretical lectures and practical sessions including hands-on training with instruments.** The sessions can help participants to develop new skills and improve existing ones, enhancing their ability to assess and manage groundwater quality effectively. The researchers of geography, geology, and environmental sciences are the target groups. This training program offers a unique opportunity to learn from experts, researchers and peers in the field of groundwater quality assessment. The target population can gain insights into the latest research findings, technologies, and best practices. It brings together professionals, researchers and students to build a network within this community who can open doors to collaboration and valuable contacts. With this background, the One Day Research Facility Training Program on "Groundwater Quality" is being organized by the Department of Geography, School of Earth Science, Bharathidasan University, Tiruchirappalli on 10 May, 2024.

## Eligibility Criteria

The program is arranged for the post doctoral fellows, research scholars and PG students of geography, geology, environmental sciences and allied disciplines.

## Registration

Registration is completely free for the participants. Interested participants can apply for the Research Facility Training Program by filling and submitting in google form with a write-up stating the reasons for participation in the event not exceeding 300 words on or before 06.05.2024. The selection of the participants is based on the write-up. Working lunch will be provided for the selected participants.

## Certificate

The participants will be provided certificates on successful completion of the course. It is mandatory for all participants to attend all the sessions.

## Important Dates

Last date for submission of Application	06.05.2024
Admission Intimation to selected candidates	07.05.2024
Date of the Research Facility Training Program	10.05.2024



**Department of Geography, Bharathidasan University**

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