



15 – 17 MARCH, 2018

INTERNATIONAL CONFERENCE

On

*Water Resources: Innovations in Quality and Quantity,
Sustainable Development Challenges and Management*

(ICWR 2018)



ORGANIZED BY:
DEPT. OF ENVIRONMENTAL SCIENCES
& DEPT. OF GEOLOGY
UNIVERSITY OF KERALA



INTERNATIONAL CONFERENCE

WATER RESOURCES: INNOVATIONS IN QUALITY AND QUANTITY, SUSTAINABLE DEVELOPMENT, CHALLENGES AND MANAGEMENT.

(ICWR-2018)

About the University

One of the first 16 Universities in India and the first in the State of Kerala, the University of Kerala is located in Thiruvananthapuram, the capital of Kerala, India. It was established in 1937. The 42 departments of teaching and research are organized as nine schools. The University bagged the UNESCO NLM award for literacy in 2005, the State Govt's award for e-governance in 2010 and the first Chancellor's Award for the best University in Kerala in 2015. The University is re-accredited by NAAC with 'A' grade since 2015 and is also ranked 29th in India based on NIRF-MHRD ranking in 2017. It is positioned between 800-1000 in The world ranking of universities.

About Dept. of Environmental Sciences

The Dept. of Environmental Sciences was established in 1995 as a teaching-cum-research department. It offers M.Sc, M.Phil, Ph.D and Post-doctoral programmes and has research collaborations with national and international institutions/agencies, and has so far produced 54 PhDs. To its credit are about 250 publications.

About Dept. of Geology

The Department of Geology was established in 1963. The department is currently in the fifth year of the second phase of the University Grants Commission's Special Assistance Program (2013-18). The department has an H-index of 21 and an i-10 index of 48, based on Google citations.

Background

The planning and management of water resource and its optimal, economical and equitable use has become a matter of utmost urgency. Global population is growing fast, and estimates show that with current practices, the world will face a 40% shortfall between forecast demand and available supply of water by 2030.

In this 'Anthropocene' period, the quality of both surface and groundwater resources are getting deteriorated, and availability of freshwater resources is declining on a regional, national and even global scale. Major drivers of global change in water resources include population pressure, physical alterations in the environment such as rapid urbanization, inland transportation, agricultural practices, deforestation, land use change, channelization along with damming, mining activities, global climate change scenario ,etc.

For better planning and management of water resources, effective decision support systems need to be developed. Investments in innovative technologies for enhancing productivity, conserving and protecting resources, recycling storm water and wastewater, and developing non-conventional water sources should be explored in addition to seeking opportunities for enhanced water storage, including aquifer recharge and recovery.

About the Conference

The ICWR 2018 will bring together post graduates, researchers, academicians, scientists, and professionals working on various aspects of water resources under a common academic platform. This conference will enable them to learn and promote the discovery of knowledge and decision-making tools applied to the functioning of surface and groundwater sources. The deliberations on various themes would lead to exchange of information, comparative practical knowledge, as well as drawing up new proposals with a view to improve work-plans. It also focuses on the development of mathematical models and practical solutions in water dynamics and water pollution. **On behalf of the organizing committee, we cordially invite you all to participate and contribute in the ICWR 2018.**

Themes of the Conference

Theme - I : Surface Water

Sub-themes

Interlinking of rivers and related issues
Impact of climate change on water resources
River basin morphometry and watershed management
River and lake pollution and their management
Innovations in surface water purification
Treatment, disposal and discharge of wastewater
Methods of monitoring water quality
Modelling and measuring of water pollution
Hydrobiology and water pollution
Marine pollution and impacts
Estuarine water resources and challenges

Theme - II : Groundwater

Sub-themes

Hydrogeology
Groundwater investigations
Groundwater - surface water interaction
Hydrogeochemistry
Groundwater pollution
Groundwater modeling
Innovations in groundwater purification
Artificial recharge to groundwater
Groundwater management
Coastal aquifers
Legislation and laws in groundwater
Remote sensing and GIS in water groundwater studies

Date of the Conference

15 - 17 March 2018

Venue

Seminar Hall of Department of Environmental Sciences and Department of Geology, University of Kerala, Thiruvananthapuram, Kerala, India

Registration Fee

Participants shall submit the registration form along with the fee:

For students and Researchers :Rs. 1000/- (National) or \$100 (International)
For Faculties and Others :Rs. 1500/- (National) or \$150 (International)

Registration fee shall be drawn as DD in favour of Organizing Secretary, ICWR -2018, payable at SBI Kariavattom, Thiruvananthapuram on or before 30th January 2018.

REGISTRATION (IN THE PRESCRIBED FORM) IS COMPULSORY FOR PARTICIPATION.

Submission of Abstracts

Abstracts of the research article of 300-400 words with title should be typed in single space and Times New Roman font 12 pt. A running title and three to five key words should be included. The name of the presenting author should be underlined. The abstract should be submitted by email to: icwr2018@gmail.com on or before 20th January 2018 in microsoft word format.

Submission of full papers

The accepted papers, limited to 6-8 pages (Times New Roman 12pt), may reach the Organising Secretary, ICWR-2018, Department of Environmental Sciences, University of Kerala, Kariavattom Campus, Thiruvananthapuram 695581, Kerala, India by email (icwr2018@gmail.com) on or before 15th February 2018.

Accommodation

Participants need to make their own arrangements for stay. Assistance for bookings can be made on request from the participants. There are moderate rate hotels (Rs. 2000/- to Rs. 3000/- per day for single room) near the university campus.

ORGANIZING COMMITTEE

Patron	: Hon'ble Vice Chancellor, University of Kerala
Organising Secretary	: Dr. Sabu Joseph (Associate Professor and Head, Dept. of Env. Sciences)
Joint Secretary	: Dr. A.P. Pradeepkumar (Associate Professor and Head, Dept. of Geology)
Convenor	: Dr. E. Shaji (Assistant Professor, Dept. of Geology)
Co – Convenors	: Dr. V. Salom Gnana Thanga (Associate Professor, Dept. of Env. Sciences) : Dr. Jaya D.S. (Associate Professor, Dept. of Env. Sciences)

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DEPT. OF ENVIRONMENTAL SCIENCES
& DEPT. OF GEOLOGY

UNIVERSITY OF KERALA

International conference on “Water Resources: Innovations in Quality
and Quantity, Sustainable Development Challenges and Management”

(ICWR, 15-17 March 2018)

Registration Form

(mail to: icwr2018@gmail.com)

1. Name :
2. Gender :
3. Designation :
4. Department/ Institution :
5. Address :
6. Contact No. :
7. Email. :
8. Research Specialization :
9. Paper Presentation/Participation :
10. Title of the Abstract/Presentation :
11. Registration fee : Rs (Encl. Yes/No)

DD No Date

Date:

Place:

Signature