



REGISTRATION FEE

No registration fee for the participants from AICTE approved institutes and Government organizations

ONLINE REGISTRATION

Please apply through the [online link](https://goo.gl/forms/fxQ765AV7Estukz42) given below to participate

<https://goo.gl/forms/fxQ765AV7Estukz42>

- Selected candidates will be intimated by E-mail.
- Confirmation of participation is to be made by e-mail
- No TA/DA will be provided.
- No Accommodation will be provided.

IMPORTANT DATES

Last Date for online registration : 10.01.2017
Intimation of Selection : 15.01.2017
Confirmation by participants : 18.01.2017

Contact
Workshop Coordinator
Dr E Arun Babu
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First announcement

National Workshop

Reservoir Sedimentation

Trends and Techniques of
Measurement and Analysis

9th and 10th February 2017

Coordinator
Dr. E Arun Babu

Supported by
UGC – Centre of Advanced Study I CWR



Organised by
Centre for Water Resources
Department of Civil Engineering
Anna University
Chennai 600 025

Centre for Water Resources

The Centre for Water Resources (CWR) was established in May 1979 transforming the Division of Hydraulics and Hydrology to pursue teaching, research, consultancy and impart training programmes in hydrology and water resources engineering, irrigation management, water quality and quantity management.

Right from inception the Centre is academically supporting various subjects for B.E. Civil Engineering and selected subject for others branch students. In July 2006 Centre has started B.E., Agricultural and Irrigation Engineering. The Centre has been supported in its development by UGC through its Department of Special Assistance, COSIST and DST FIST Programmes. **UGC supports this Centre under Centre for Advanced Study (CAS) in Integrated Water Resources Management from 2015 to 2020.** Three PG programmes namely M.E Irrigation Water Management, Hydrology and Water Resources Engineering and Integrated Water Resources Management are being offered.

SCOPE OF THE WORKSHOP

The workshop is intended to share recent developments in techniques and concepts of sediment accumulation in Reservoirs and to discuss exciting recent case studies with topical scientific sessions where we aim to give ample space for discussion to deliberate new areas of research in reservoir sedimentation research.

ABOUT THE WORKSHOP

Sediment transport into water courses originating from the catchment area and silting up of reservoirs are serious problems in India. Problems of nutrient loading and diverse chemical residues from agricultural production necessitates better understanding of sediment transport and assessment both at catchment level and in reservoirs. In addition, with high intensity rainfall projected under changing climate can be another dimension to reservoir inflows and quality. New and improved computational algorithms are finding applications in reservoir sedimentation research. The focus of the workshop is to discuss recent developments in study of watershed changes, reservoir sediment inflow, its quantity and quality.

STRUCTURE

Lead speakers from the premier Institutions / Organizations will deliver thematic address in their area of specialisation. Scientists, Researchers and Engineers working in the areas of reservoir sedimentation will share their experiences through presentation of case studies

WORKSHOP TOPICS

Quantitative methods

- ✓ Field measurements
- ✓ Bathymetry survey

Soft computing techniques

- ✓ Artificial Neural Networks
- ✓ Genetic programming
- ✓ Data driven techniques

Reservoir sedimentation under changing climate

Remote sensing techniques

- ✓ Super resolution mapping of hyperspectral images

Advances in instrumentation / Computing tools

WE INVITE CASE STUDIES

Participants can send their case studies / research papers on the above topics to the workshop coordinator by Email (e_arunbabu@yahoo.co.in) before January 18th, 2017.

DISPLAY / STALLS

Leading manufacturers of field instruments for reservoir sedimentation research will display their products and present the highlights of their equipment's in one of the session



PATRON

Dr S GANESAN, Registrar, Anna University

CHAIR

Dr P. NARAYANASAMY, Dean, CEG, Anna University

WORKSHOP COORDINATOR

Dr E ARUN BABU, Assistant Professor, CWR

ADVISORY COMMITTEE

Dr N K AMBUJAM, Director, CWR

Dr R SAKTHIVADIVEL, Emeritus Professor, CWR

Dr S RAVICHANDRAN, Professor, CWR

Who can participate?

Graduate students, Research scholars, Post-docs, JRFs, SRF's Project associates, Faculty, Employees of government and R&D institutions, People from private and NGO organizations, who are working in reservoir sedimentation, catchment processes, watershed modelling and its related areas are invited