



INDO-US BILATERAL WORKSHOP ON

“Coastal Groundwater Dynamics
Combining Future Climate Change
and Human Development”
(CLIMWAT-2018)

7th – 9th June, 2018

Organized by



Department of Earth Sciences
School of Physical, Chemical and Applied Sciences
Pondicherry University
Puducherry – 605 014
India

ABOUT THE WORKSHOP

Coastal aquifers are susceptible to degradation due to proximity to seawater, higher population; climatic influences and human intervenes. For coastal aquifers to continue being used as operational freshwater reservoirs, the development of better tools that facilitate the prediction of aquifer behavior under climate change conditions and human interference is essential. The proposed workshop is to bring together researchers and practitioners from Indian and US universities/organizations to provide a platform for the exchange of knowledge and experiences in combating coastal groundwater dynamics relating future climate change and human influences using integrated techniques in the following specialized areas.

- Technologies for vertical electrical tomography in assessing coastal vulnerability.
- Combined hydrochemistry, Isotopes and REEs in isolating coastal dynamics, past and present climatic influences.
- Application of flow, transport and geochemical modeling for coastal groundwater.
- Neural networks, multivariate statistical modeling for sea water intrusion and water quality parameters.
- Biogeochemistry of aquatic ecosystems, adaptability of biota to climate change, exposure to contaminants.
- Remote sensing and GIS techniques for coastal groundwater resource management, climate change resilience and protection scenarios.

WORKSHOP PROFILE

The workshop aim to discuss and explore areas for advancing scientific understanding of Coastal groundwater and future climate change scenarios. The workshop is being organized in the Department of Earth Sciences, School of Physical, Chemical and Applied Sciences, Pondicherry University. Experts from both US and India working in diverse fields of groundwater are expected to discuss state-of-the-art approaches to important problems and disseminate results of current research. All participants will get a unique opportunity of interacting with these researchers to update current methodologies, techniques and discuss ways of implementing them in practice. The workshop is limited to 20 participants from university teachers, research scholars, officials from government departments who are graduate/post graduates in science, engineering and earth sciences dealing with coastal groundwater and related subjects will be considered for the training programme subsequent to appropriate scrutiny based on the participant's qualification/ experience etc.

INVITED SPEAKERS

Prof. Saugata Datta, Kansas State University, Prof. Binayak Mohanty, Texas A and M University, Prof. Mc. Alicia Wilson, University of South Carolina, Prof. Franco Marcantonio, Texas A and M University, Dr. Holly Michael, University of Delaware, Prof.AL.Ramanathan, SES, JNU, D.S.Suresh Babu, MoES, Dr.YRS.Rao, NIH, Dr.K.Tirumalesh, BARC and many others.

PONDICHERRY UNIVERSITY

Pondicherry University is a Central University established October, 1985. The University is located at Kalapet, Pondicherry, and is 160Km from Chennai along East Coast Road and 12Km from Pondicherry bus stand. The University is spread over 820 acres of lush green land and has excellent ambience conducive for PG studies and research. The University has emerged as India's fastest expanding Central University crossing growth mark of 300% during previous years and has about 5000 students representing 33 states of the country and abroad, and over 450 highly qualified faculty from across the country. The University is growing with a cardinal principle of Expansion with Excellence and Equity and remains connected globally. The University offers 157 Masters, Doctoral and Diploma programmes in 34 Departments, 10 Centers and two chairs under the umbrella of 15 schools with a community college and Directorate of Distance Education. Overseas students constitute some 10% of the annual intake. Students' hostels and blocks of faculty residences are interspersed with one another, underlining the vision of a large Indian family. The University has entered into MoUs with 27 reputed international institutions in India and abroad for academic collaboration and faculty development.

THE DEPARTMENT

The Department of Earth Sciences at Pondicherry University was established in the Year 1994. The department is being supported by the DST, Government of India under FIST programme and National Facility programme for Isotope Geosciences and Geochronology. The Department offers M.Sc. App. Geology; M.Sc. App. Geology (5 yrs integrated); M.Tech. Exploration Geo Sciences and PhD (full time, part time, internal and external) to achieve academic excellence and to produce geoscientists with world class training. The academic curriculum of the Department helps a good number of students to qualify in national level competitive examinations including NET, GATE, and placement in major geoscientific organizations like AMD, GSI, CGWB, NHPC and ONGC. The Department has well equipped laboratories with sophisticated equipments like XRD, TIMS, ICP-AES, ICP-MS and IRMS.

ADDRESS FOR COMMUNICATION

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Organizing Secretary "CLIMWAT-2018"
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Puducherry – 605 014.
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E-mail: climwat2018pu@yahoo.com;climwat2018pu@gmail.com



ORGANIZING COMMITTEE

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Dr. Lasitha,

Dr. Manisha Kumari,

Dr. Nurul Absar.

Dr.K.N.Kusuma

KEY DATES

Last date for receipt of application : **15.05.2018**

Intimation of selection : **20.05.2018**

Confirmation by the applicant : **25.05.2018**

REGISTRATION FEE

No registration or course fee will be charged for the participants. Limited Accommodation is available to the participants on a first-cum-first-serve basis. Food and refreshment will be provided to the participants.



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ON

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Application Form

Name (In Block Letters) :
Age and Date of Birth :
Designation :
Department :
Institution/Organization :
Academic Qualification :
Area of Specialization :
Address for Communication :

Tel :
Mobile :
Fax :
E-Mail :

Signature of the Candidate

Place:

Date:

SPONSORSHIP CERTIFICATE

This is to certify that Dr./Er./Mr./Ms. _____

is working/studying in the Department of _____ in our

Institution/Organization. He/She is sponsored to attend the workshop on “CLIMWAT-2018”. The

duration of the course will be treated as on duty.

Signature of the Sponsoring Authority