



Asia-Pacific Coastal Aquifer Management Meeting

6th Asia-Pacific Coastal Aquifer Management Meeting

Anna University, Chennai, India

11 – 14 December 2019





About 40% of the world's population is living in coastal regions, which puts significant stress on surface water and groundwater resources. In addition, climate change induced sea level rise and variations in rainfall are expected to adversely impact coastal systems, in particular, groundwater resources. A United Nations report (GEO-6) indicates that seven of the ten most vulnerable countries worldwide are in the Asia-Pacific region. In many other parts of the globe, groundwater in coastal areas has received much attention from the international scientific community, government departments and other groundwater stakeholders. However, in the Asia-Pacific region, scientists, engineers and managers who are concerned with coastal groundwater have only a few opportunities for specialized forums. Hence, a group of water experts from academia, governments and international organizations with a common interest in the management of coastal aquifers for socio-economic development has initiated the Asia-Pacific Coastal Aquifer Management Meeting (APCAMM) in the year 2009. The main goal of this bi-annual forum is to provide an opportunity for people both local and from outside the Asia-Pacific region to share knowledge in coastal aquifer water resources and management, with a focus on the Asia-Pacific region. So far, five APCAMM forums have been held: Bangkok (Thailand, 2009), Jeju Island (Korea, 2011), Beijing (China, 2013), Cairns (Australia, 2016, a joint meeting with the 24th SWIM) and Da Nang (Vietnam, 2017). The next and the sixth APCAMM will be held in Chennai, India during 11-14 December 2019.

Venue

Chennai (formerly known as Madras), the capital of the Tamil Nadu state, India, is located in the eastern coast of the Bay of Bengal. Chennai is a metropolitan city and the fourth largest in India. Chennai is India's one of the most popular destination for foreign tourists. Chennai has a world's 2nd longest beach known as Marina Beach. Mamallapuram, UNESCO's world heritage site, is situated just 40 km south of Chennai.

Chennai has two major rivers and four freshwater reservoirs. Twelve sewage treatment plants and two desalination plants are under operation in Chennai. The alluvial aquifers just north of Chennai are affected by seawater intrusion that has advanced several kilometers inland. Mitigation measures are being taken by artificially increasing aquifer recharge

The meeting will take place at Anna University, which is located about 12 km from the Chennai international airport



Topics

Topics of the meeting include, but are not limited to the following, Abstracts on other related themes are also welcome, as long as these fit with the conference agenda

- Recent trends in coastal aquifer assessment
- Geophysical and geochemical tools applied to coastal regions
- Regional estimation of seawater intrusion and coastal groundwater contamination
- Submarine groundwater discharge in coastal aquifers
- Integrated surface water-groundwater modeling tools for coastal settings
- Impact of climate change on coastal aquifers
- Coastal aquifer case studies

Workshop

(Any one of the following)

- Characterisation and estimation of aquifer parameters
- Electrical resistivity methods for identifying seawater intrusion
- Numerical modeling of seawater intrusion



Field Visit

A field visit will be arranged to the regions with coastal aquifers south of Chennai which contributes to the city's water supply. The aquifer comprises of quaternary sand (70m thick) underlying the charnockite. As a part of the field visit, we will also visit ancient water harvesting structure (temple tank) and Mahabalipuram, a UNESCO world heritage site. Mahabalipuram is a cultural heritage town with temples and monuments built in the 7th and 8th centuries. Mahabalipuram is famous for its magnificent sculptures, which includes Panch Rath, where four chariots have been carved in a single rock. The trip has been planned along the east coast road which has a beautiful serene sea view.



International Scientific Committee

- Prof. Adrian Werner, *Flinders University, Australia*
- Prof. Chunhui Lu, *Hohai University, PR China*
- Prof. Hailong Li, *China University of Geosciences, PR China*
- Dr. Huy Giao Pham, *Asian Institute of Technology, Thailand*
- Prof. Jiu Jimmy Jiao, *Hong Kong University, Hong Kong, China*
- Prof. Michael Schneider, *Freie University, Berlin, Germany*
- Prof. Namsik Park, *Dong-A University, RP Korea*
- Prof. Vetrimurugan Elumalai, *University of Zululand, South Africa*
- Dr. Quy Nhan Pham, *Hanoi University of Natural Resources & Environment, Vietnam*
- Dr. Weixing Guo, *Groundwater Tek Inc, USA (Chairman)*

Local Organising Committee

- Prof. N. Rajendran, *Director, Centre for International Relations, Anna University*
- Prof. R. Nagendra, *Department of Geology, Anna University*
- Prof. S. Sanjeevi, *Department of Geology, Anna University*
- Dr. C. Lakshmi Narasimhan, *Assistant Professor, Department of Geology, Anna University*
- Dr. K. Sivaraj, *Assistant Professor, Department of Geology, Anna University*

National Organising Committee

(To be confirmed)

- Dr. R. D. Deshpande, *Scientist, PRL, Ahmadabad*
- Dr. D. Gnanasundar, *Scientist, CGWB, Chennai*
- Dr. Faby Sunny, *Scientist, BARC, Mumbai*
- Prof. S. Kanmani, *Centre for Environmental Studies, Anna University, Chennai*
- Prof. Ligy Philip, *Department of Civil Engineering, IITM, Chennai*
- Prof. B. V. Mudgal, *Centre for Water Resources, Anna University, Chennai*
- Prof. M. S. Mohan kumar, *Department of Civil Engineering, IISc, Bengaluru*
- Prof. K. Palanivelu, *Centre for Environmental Studies, Anna University, Chennai*
- Prof. P. Rajendra Prasad, *Department of Geophysics, Andhra University, Visakhapatnam*
- Prof. AL. Ramanathan, *School of Environmental Sciences, JNU, New Delhi*
- Dr. Y.R. Satyaji Rao, *Scientist, NIH, Deltaic Regional Centre, Kakinada*
- Dr. M. Senthilkumar, *Scientist, CGWB, Chennai*
- Dr. Shakeel Ahmed, *M. K. Gandhi Chair Professor, Jamia Millia Islamia, New Delhi*
- Dr. K. Srinivasamoorthy, *Professor, Pondicherry University, Puducherry*
- Dr. D. S. Suresh Babu, *Scientist, NCEES, Thiruvananthapuram*

Important Dates

Milestones

Abstract submission deadline

Registration deadline

Date

10th November 2019

15st November 2019

Tentative Agenda

Date	Event	Remark
11 December 2019	Workshop	Optional
12 December 2019	Registration and Inauguration Section 1: Recent trends in assessment Section 2: Geophysical and geochemical tools Section 3: Regional estimation	
13 December 2019	Section 4: Saltwater Intrusion and flow with variable density modeling Section 5: Impact of climate change on coastal aquifers Section 6: Case studies Valediction	
14 December 2019	Field visit	Optional

Application

Submit the registration form through the link or mail along with the abstract to "apcamm2019@gmail.com"

Fee

Regular registration: USD 125
(Rs 3000/- for Indians,
Rs 2000/- for Indian students,
USD 100/- for foreign students)

Workshop: USD 75
(Rs 1000/- for Indians)

Field Trip: USD 50
(Rs 750/- for Indians)

Accommodation: USD 25/Night*
(Rs 1500/Night for Indians*)
(* Limited rooms at University Guest House
with No Catering Service)

Nearby Hotels:
Park Hyatt, Guindy, Chennai
Ramada Plaza, Guindy, Chennai
The Raintree Hotel, St. Mary's Road, Chennai

Convenor

Prof. Elango Lakshmanan
Professor & Head
Department of Geology
Anna University
Chennai 600025, India



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REGISTRATION FORM

Online Form: [Click here](#)

Full Name:

Affiliation:

Organization/Institution:

Address for Correspondence:

Email Address:

Contact Number:

Paper Presentation: Yes/No

Accommodation Required (University Guest House): Yes/No

Title of the Paper:

Abstract Template: [Click here](#)

Declaration:

I declare that the above mentioned details are true to my knowledge

Signature of the Applicant