

Workshop

2nd Triennial Congress of FIGA

AHI Pre – Symposia Workshop on
“Synergic Management of Water Resources in Changing Climate”

12th & 13th October, 2019

Venue: CSIR-NGRI, Hyderabad

Details of Workshop

Water resources are important to both society and ecosystem. We depend on a reliable, clean supply of drinking water to sustain our health. We also need water for agriculture, energy production, navigation, recreation and manufacturing. Many of these uses put pressure on water resources, stresses that are likely to be exacerbated by climate change. In many regions climate change is likely to increase water demand while shrinking water supplies. This shifting balance would challenge water managers to simultaneously meet the needs of growing communities sensitive ecosystem, farmers, energy producers and manufactures. In some areas, water shortages will be less of a problem than increases in runoff, flooding, or sea level rise. These effects can reduce the quality of water and can damage the infrastructure that we use to transport and deliver water. Under the changing climatic conditions with extreme events it is very important to properly manage the available water resources. This workshop aims to bring together the experts, young researchers and students from various government, private sector and educational institutions.

Resource Persons of the Workshop

<i>S.No.</i>	<i>Name & Affiliation</i>	<i>Title of the Talk</i>
1.	Prof. P. Rajendra Prasad Andhra University, Vizag	Water resources status and management in India
2.	Prof. L. Elango Anna University, Chennai	Climate change impact on coastal aquifers and numerical modelling
3.	Dr. A.K. Sahai IITM, Pune	Monsoon variability and predictability and its relevance's to water resources
4.	Dr. K. Palanivelu Anna University, Chennai	Climate projection and downscaling
5.	Mr. Anandaruban & Dr. L. Elango Anna University, Chennai	Trends in rainfall and peak flow estimates by modelling
6.	Prof. A.B. Gupta MNIT, Jaipur	Challenges and remedies in Waste Water treatment towards improved circular economy

7.	Dr. YR Satyaji Rao NIH, Kakinada	Hydrological modelling using soft Computing techniques
8.	Dr. Girish Gopinath CWRDM, Kozhicode	Geospatial techniques in Water Resources Management
9.	Dr. B. Purandara NIH, Belgaum	Impact of Land use land cover changes on ground water dynamics in parts of Western Ghats
10.	Prof. B. Venkateswara Rao JNTU Hyderabad	Ground Water Quality in hard rocks
11.	Dr. K. Rama Mohan NGRI, Hyderabad	Surface and Ground water quality
12.	Dr. Subash Chandra NGRI, Hyderabad	Application of geophysical methods in water management
13.	Prof. M.S. Mohan Kumar IISC, Bangalore	Urban Water Distribution and Management
14.	Prof. V.V. Srinivas IISC, Bangalore	Surface water resources – Status and Management
15.	Prof. P.N. Ballukraya Mysore	Use of bore hole camera video scan in hard rock hydrogeology
	Panel Discussion and Recommendations	