

## Federation of Indian Geosciences Associations (FIGA)

To bring in all the associations dealing with various facets of geosciences together and put in a concerted effort in suggesting future activities at national and international levels, and also focussing the paramount need to synergize various disciplines and cross-fertilize R & D initiatives within earth sciences community, persistent effort since 2007 have culminated in the formation of FIGA in 2014 in which AHI is one of the Founder Members.

## Symposium on 'Water Resources Management under Changing Environment and Climate'

Symposium is to bring together the experts, young researchers and students from government, private sector and educational institutions to deliberate upon the lessons learned from the research studies, projects implemented and tools available to bring out methods and ways for management of water resources under the changing climatic and environmental conditions for the benefit of community. The symposium aims to achieve this by bringing together the parties engaged in water resources management to arrive at the dynamics of the present resources and invite papers on successful field based studies on this aspect. The symposium will also critically assess the importance of scientific knowledge while formulating plans for management and strengthening of water resources in the region. Extreme hydrological events and their impact on hydrological regime and the human activity, importance of protecting the ecological characteristics and health of the river system to balance and cope up with the human needs, role of water quality in water energy and food nexus, sustained management of ground water both from quantity and quality aspects and its protection from emerging pollutants are expected to be discussed at symposia.

### Sub Themes:

- Innovative exploration methods
- Extreme events – prediction and mitigation
- Integrated water resource management
- Ecological Imbalance and eco hydrology
- Urbanization and its impact
- Waste water reuse
- Water quality – emerging contaminants

### Pre-Congress Workshop on

#### 'Synergic Management of Water Resources in Changing Climate'

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.

## This workshop focus on aspects such as

- Climate change impacts on water resources
  - Extreme precipitation over India
  - Trends in rainfall and peak flows
  - Urban flooding
  - Ground water quality of post flood event
  - Ground water management using numerical modelling
  - Development of downscaling models
  - Water evaluation and planning model
  - Integrated water management
- Courses fee : Rs.3,000/- payable through D.D. in favour of Convener,  
2 Triennial Congress of Federation of Indian Geosciences Associations

### Participants

Researchers, scientists, engineers, academicians, managers, policy makers & volunteers working in different aspects of hydrology and water resources development and management.

### Call for Papers

Papers are invited on the topics outlined above and others falling within the overall theme of the Symposia. Papers should have limited to 300 – 500 words covering the purpose, results and conclusions of the work. Acceptance of the paper(s) will be based on the willingness of the author(s) to present the same in person at the Symposium. Each submitted paper is subjected to a separate registration.

Participants may send the full text of their paper(s) as per the guidelines given below, so as to reach the Convener, FIGA Congress Symposium under a copy to AHI Symposium Convener by 15<sup>th</sup> September, 2019 either by Online / E-mail or by post. Acceptance will be communicated to the speakers by 17<sup>th</sup> September, 2019

## Water Resources Management under Changing Environment and Climate (Jointly with GSI and IAHS)

*Symposium Convener*

### Prof. L. Elango

Dept. of Geology, Anna University, Chennai  
E-mail: elango34@hotmail.com, elango@annauniv.edu  
Ph: 91-44-22358445 (Work)

### All correspondence relating to abstracts & registration be sent to:

### Dr. Kalachand Sain, FNASc

Convener, FIGA Congress Symposium,  
Senior Principal Scientist & Head, Gashydrate Group  
CSIR-National Geophysical Research Institute  
Uppal Road, Hyderabad – 500007  
E-mail: kalachandsain@yahoo.com  
Ph: +91 (0)40 27012799

For further details of Registration & Accommodation  
please see FIGA Brochure and their website:

[www.indiangeosciences.org](http://www.indiangeosciences.org)



## Association of Hydrologists of India in conjunction with 2<sup>nd</sup> Triennial Congress of Federation of Indian Geosciences Associations (FIGA)

on  
“GEOSCIENCES FOR SUSTAINABLE  
DEVELOPMENT GOALS”

organize  
37<sup>th</sup> AHI Annual convention and  
Symposia on  
“Water Resources Management  
under Changing Environment and  
Climate”

(Jointly with GSI & IAHS)

During 13 - 16 October, 2019

and

Synergic Management of Water  
Resources in Changing Climate

12-13 October, 2019

Venue:

CSIR-NGRI (National Geophysical Research  
Institute), Uppal Road, Hyderabad – 500007,  
Telangana, India.



## Association of Hydrologists of India (AHI)

The Association of Hydrologists of India (AHI) was started in September 1981 at the Andhra University when a gathering of faculty and professionals belonging to Geology, Geophysics, Meteorology and Groundwater met.

The AHI was started with the main objective of bringing together academics and professionals engaged in various hydrological aspects of water sciences on to a single platform and integrate remote sensing, engineering, hydrometeorology, geophysical exploration, drilling techniques, reservoirs, water supply, chemical quality, environment and many other seemingly different aspects.

As a first step, Annual National Seminars dealing with hydrology in general and a special colloquium on some topical subject having a bearing on the national front or on the local scenario at different parts of the country are organized. The AHI is proud to have conducted 36 National or International Seminars so far. Five International Seminars, three at Visakhapatnam, one at Khatmandu in Nepal in collaboration with the Nepal Geological Society, were organized and one at Hyderabad in association with National Geophysical Research Institute (NGRI).

It was considered that while an enormous work is taking place in the country on various hydrological related subject, the projection of the work and the results to posterity is lacking. Again to provide a common vehicle the 'Journal of Applied Hydrology' was started in 1988 and is being published regularly to bridge the gap.

It was felt that training in emerging areas to professionals would enhance their capabilities. A marathon two and a half month training course in theory and field practice in deep geo-electrical exploration was held by the AHI and DANIDA. Detailed lecture notes along with relevant literature and publications were supplied. Many other workshops and training modules followed.

The AHI also felt that it cannot isolate itself from the global developments. The AHI was an accredited member of UNCED. The AHI was also associated actively with the Global Water Partnership Organization, United States of America Geological Survey (USGS), British Hydrological Society (BHS) and International Association of Hydrological Sciences (IAHS). The AHI along with National Geophysical Research Institute (NGRI) has organized the 8<sup>th</sup> IAHS Scientific Assembly at Hyderabad in September, 2009.

Under the aegis of Federation of Indian Geosciences Association (FIGA), AHI has organised a Symposium on "Water resources & Water Policies" jointly with AEG & IGU at the 1<sup>st</sup> Triennial congress of FIGA during 8- 10 November, 2016 at ISM, Dhanbad. The AHI organized the previous national seminar on "Hydrology" with a colloquium on 'Nature Based Solutions to Water Challenges' during 22<sup>nd</sup> and 24<sup>th</sup> March, 2018 at Andhra University.

## AHI – Phani Kishore Award

AHI – Phani Kishore award is being given to the best paper presentation at the Symposium. The selected young scientist will be awarded with a plaque.

## Dr. S.C. Puranik Award

Dr. S.C. Puranik award is being given to a selected post graduate student / research scholar for the best paper presentation or an essay competition on a Hydrology topic to be announced on the spot, to be held during the Symposium, and will be awarded a cash prize along with a certificate.

## Journal of Applied Hydrology

In pursuance of the objective of dissemination of research findings, the AHI has published the seminar proceedings of the first three seminars. To make the papers more enduring and to have a wider circulation among the discriminating scientists, the Journal of Applied Hydrology was started in October 1988. The editorial board and the editorial advisory board constitute experts in the diverse fields of hydrology drawn from various organizations from India and abroad. The Journal of Applied Hydrology is received by the scientific fraternity with a sense of appreciation. The Journal of Applied Hydrology is published quarterly. The members will get a copy free of cost.

## Executive Council (2015 – 2018)

<b>President</b>	:	<b>V.V.J. Sarma</b>
<b>Vice-President (s)</b>	:	<b>P. Rajendra Prasad D.T. Shete</b>
<b>Secretary</b>	:	<b>P. Rama Rao</b>
<b>Joint Secretary</b>	:	<b>S.K. Vadagbalkar</b>
<b>Treasurer</b>	:	<b>N.V.B.S.S. Prasad</b>
<b>Editor of Publications</b>	:	<b>C. Subba Rao</b>
<b>Executive Members</b>	:	<b>P.N. Ballukraya L. Elango D.R. Prasada Raju Sanjay Bajpai K. Venugopal Girish Gopinath Y. R. Satyajji Rao V. Venkateswara Rao D. Muralidharan B.Venkateswara Rao K.V. Phani Kishore T. Vinoda Rao P. Trinadha Rao</b>

## Membership

The association has the system of enrolling members of different categories like Life Members, honorary members, etc. Total membership as on 1<sup>st</sup> August, 2019 stood at 840, out of which 538 are life members.

**Local Chapters:** The Association, in a bid to develop strong and focused centers in different parts of the country, have established two regional chapters, one in Solapur and the other in Vadodara.

**Solapur Chapter:** The Solapur Chapter of AHI was initiated during the 18<sup>th</sup> AHI Convention at Solapur and was inaugurated during July 2000 at Solapur, Dr. S.K. Vadagbalkar is the Convener of this Chapter.

**Gujarat Chapter:** The Gujarat Chapter of AHI was inaugurated on 21<sup>st</sup> January, 2009 during the 27<sup>th</sup> AHI Convention at Samiala, Vadodara. Dr. D.T. Shete is the Convener of this Chapter.

## Membership Fee

- |  |   |            |
|--|---|------------|
| 1. Life Membership   | : | ₹. 4,000/- |
| 2. Annual Membership   | : | ₹. 1,000/- |
| 3. Student Membership<br>(as annual subscription every year) | : | ₹. 500/-   |
| 4. Institutional Membership                                  | : | ₹. 5,000/- |

## Payment Mode for Membership Fee

- D.D. in favor of "Secretary, Association of Hydrologists of India (AHI)", payable at A.U. Engineering College Campus, Visakhapatnam and sent to Prof. P. Rama Rao, Secretary, Association of Hydrologists of India (AHI), C/o Department of Geophysics, Andhra University, Visakhapatnam-530 003.
- Money transfer/NEFT/RTGS (Inter-Bank Transfer) to our SB A/c directly (details provided)

SBI Saving Bank Account No.	:	10228072789
MICR No.	:	53000 2005
IFS/NEFT Code	:	SBIN0003170
SBI Bank Address	:	Andhra University Engineering College Campus, Visakhapatnam – 530 003
Unique ID	:	AHI

**For further details please visit AHI website:  
[www.appliedhydrology.org](http://www.appliedhydrology.org)**

*Contact*

**Prof. P. Rama Rao**

Secretary, Association of Hydrologists of India (AHI) C/o Dept. of Geophysics, Andhra University Visakhapatnam – 530 003 Ph: +91-891-2575500 (office), 2844628 (work) E-mail: [ahivizag@gmail.com](mailto:ahivizag@gmail.com)