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Andhra University  
Visakhapatnam – 530 003

Registrar  
Andhra University  
Visakhapatnam – 530 003

### Conveners

**Head of the Department**      **Head of the department**  
Dept. of Geophysics      Dept. of Met. & Oceanography  
Andhra University      Andhra University

### EC Members

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### Organizing Committee

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**Sri.K.Prahladh**

**Head, Dept of Met. & Oceanography, AU**  
**Prof.P.Sunitha**  
**Dr.Y.Israel**

### Local AHI EC Members

All correspondence to:

**Secretary, Association of Hydrologists of India(AHI)**  
C/o Department of Geophysics, Andhra University, Visakhapatnam  
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### Objective

A close look on the underlying causes of climate change is just not the only natural factor that alone can explain the observed changes. It is now more certain that humans are changing Earth's climate. The increasingly apparent warming atmosphere and oceans accompanied by sea level rise, a strong decline in Arctic sea ice, and other climate-related changes will definitely have their impacts on people and nature. Unprecedented flooding, heat waves, and wildfires have cost billions in damages. Habitats are undergoing rapid shifts in response to changing temperatures and precipitation patterns. The main objective of the National Seminar is to bring together hydrologists, Hydrometeorologists, water resources engineers and managers, policy makers and N.G.O.s to report results, problems and exchange ideas under this umbrella.

### Participants

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

### Seminar Themes

- *Changing Climate and hydrological ecosystems*
- *Extreme events-forecast and mitigation*
- *Water quality monitoring and management during extreme events with special referce to Emerging contaminants*
- *Spatial technologies in Water resources*
- *Water audit*
- *Artificial Intelligence in Water resource systems*

### Call for Papers

Papers are invited on the topics outlined above and others falling within the overall theme of the National Seminar. Papers should have abstracts limited to 200 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 at the seminar. 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 Secretary, AHI by 12<sup>th</sup> February, 2022 by E-mail (ahivizag@gmail.com) only.**

**Pre-workshop on “Emerging contaminants in Water Resources Management”, 24<sup>th</sup> February 2022.**

There has been a paradigm shift in the water resources sector from development to management. This shift has visible impact on both water quality and water resources. For reasons beyond comprehension, water quality is being given due importance only during recent times. Added to these, developments in pharma, medical, chemical and agricultural areas have resulted in the emergence of emerging contaminants, which have become a menace to the environment in general and water resources in particular. It is in this context a pre-workshop is being organised. Delegates Registered in pre workshop will also be registered automatically for the following AHI Seminar. They can register through proper channel and intimate the Secretary, AHI by email given. Number of participants for workshop is limited.



## Association of Hydrologists of India

*Jointly with*

**Dept. of Geophysics &**

**Dept. of Meteorology & Oceanography**

**Andhra University, Visakhapatnam**

*organize*

**38<sup>th</sup> & 39<sup>th</sup> AHI Annual Convention and National Seminar on**

**“Hydrology”**

*Focal theme on*

**‘Changing Climate and Extreme Hydrological Events’**

**during 25<sup>th</sup> – 26<sup>th</sup> Feb, 2022**

**&**

**A one day Pre-Workshop on**

**“Emerging Contaminants in Water Resources Management”**

**on 24<sup>th</sup> Feb, 2022**

**Venue:**

**Dept. of Geophysics**

**Andhra University**

**Visakhapatnam**

## Andhra University, Visakhapatnam

Andhra University was constituted in the year 1926 by the Madras Act of 1926. The 82-year-old institution is fortunate to have Sir C.R. Reddy as its founder Vice-Chancellor, as the steps taken by this visionary proved to be fruitful in the long run.

Former President of India Dr. Sarvepalli Radhakrishnan was one of its Vice-Chancellors who succeed Dr. C. R. Reddy in 1931. The University College of Arts was inaugurated on 1<sup>st</sup> July, 1931. The inaugural courses were Telugu language and literature, History, Economics and Politics. A year later, the College of Science and Technology came into being with Honors courses in Physics and Chemistry. The University pioneered in introducing many new courses in Science, Arts, Management and Engineering in the country.

### Association of Hydrologists of India (AHI)

The Association of Hydrologists of India (AHI) was started in September 1981 at the Andhra University. 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.

Under the aegis of AHI, Annual National Seminars dealing with hydrology in general and special colloquiums having a bearing on the national front/local scenario at different parts of the country are organized. The AHI is proud to have conducted 37 National or International Seminars so far. Five International Seminars, four at Visakhapatnam, one at Khatmandu in Nepal in collaboration with the Nepal Geological Society, and one at Hyderabad in association with National Geophysical Research Institute (NGRI) were organized.

It was considered that while an enormous work is taking place in the country on various hydrological related subjects, 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. 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. The AHI has organized symposia on "Water Resources & Water Policies" jointly with Association of Exploration Geophysicists (AEG) & Indian Geophysics Union (IGU) under the aegis of 1<sup>st</sup> Triennial Congress of Federation of Indian Geosciences Association (FIGA) in November, 2016 at Dept. of Applied Geophysics, Indian School of Mines, Dhanbad and 2<sup>nd</sup> Triennial Congress of Federation of Indian Geosciences Association (FIGA) in October, 2019 at NGRI, Hyderabad.

### AHI – Dr. S.C. Puranik Award

AHI – 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 seminar, and will be awarded a cash prize along with a certificate.

### AHI – Phani Kishore Award

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

### Membership

The association has the system of enrolling members of different categories like Life Members, honorary members, etc. Total membership as on 31<sup>st</sup> Dec, 2022 stood at 800, out of which 500 are life members. Those who wish to join as AHI member, they may approach Secretary, AHI.

**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.T.M.V.Suryanarayana is the Convener of this Chapter.



**38<sup>th</sup> & 39<sup>th</sup> AHI  
Annual Convention and  
National Seminar on  
"Hydrology" &**



**A one day Pre-Workshop on**

**"Emerging Contaminants in Water Resources Management"**

**REGISTRATION FORM (Workshop/Seminar)**

1. Name in Full :
2. Designation :
3. Organization :  
Telephone : Off:  
Res:  
Fax:  
E-mail :
4. Whether presenting a paper in Seminar: YES/NO
5. Whether attending Pre-Workshop: YES/NO
6. Registration Fee : Free

### EXHIBITION

AHI extends invitation to Exhibitors and sponsors to the 38<sup>th</sup> & 39<sup>th</sup> Annual convention and Seminar on Hydrology where they will have unique access to marketing and publicity opportunities. The conference will bring together national and international delegates from government, industry and education with interest in Hydrological and Hydrometeorological Sciences. An exposition highlighting the state of the art techniques, geophysical/hydrometeorological/hydrological and allied instruments, service and products of national and international vendors and related software will be planned during the seminar. The exhibition will enable the delegates to gain a comprehensive overview of the products and services available, as well as an opportunity to discuss the latest developments with representatives from the major companies serving the needs of the exploration industry. The exhibition will be in virtual mode. A Registration fee of ₹.10,000/- has to be paid for participation. Further details can be obtained from the AHI office.

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