***First Circular***



**INTERNATIONAL CONFERENCE ON CLIMATE CHANGE AND SUSTAINABLE DEVELOPMENT**

*WITH A SPECIAL REFERENCE TO INDIAN CONTEXT*

**(ICCCSD-2017)**

**@**

**Madurai, Tamil Nadu, India**

***(Aug. 23-25, 2017)***

**Organized by**

**ANNAI FATHIMA COLLEGE OF ARTS AND SCIENCE**

**THIRUMANGALAM, MADURAI**

***In Possible collaboration with***

* *Madurai Kamaraj University, Madurai*
* *Water Technology Center (WTC), TNAU, Coimbatore*
* *Tamil Nadu Chamber of Commerce, Madurai*
* *Tamil Nadu State Council of Science and Technology, Chennai*
* *Science City, Chennai.*
* *Tami Nadu Agricultural University, Coimbatore.*
* *Tamil Nadu Science and Technology Centre, Chennai.*

***Possible Sponsors of the Program:***

* Department of Science & Technology (DST), New Delhi
* Ministry of Earth Sciences, Govt.of India
* University Grants Commission (UGC) under Ministry of Human Resources, (GOI)
* Indian National Science Academy, New Delhi.

About the Conference

The International Conference on Climate Change and Sustainable Development aims to deliberate on viable solutions to problems emerging as a result of climate change in the Indian context.

THEMES FOR ICCCSD-2017

 **Climate Change and Sustainable Development**

Climate change is one of the complex problems facing mankind today. The overriding complexity of the problem is attributed to its deeper global ramifications on a vast range of issues impacting the very survival of life on Earth. Understanding such a complex issue with vast and varied dimensions and implications, assumes greater significance for all stakeholders, especially for India’s policy makers. There are varieties of perceptions regarding the exact size and consequences of climate change. Yet, it is no secret that risks emanating from climate change are indeed profound, which call for urgent mitigation. The available evidence points out to the fact that climate change is a reality that mankind has to deal on a war footing.

The World Bank Report “Turn Down the Heat: Climate Extremes, Regional Impacts, and the Case for Resilience” published in June 2013, projects that a 4o C rise in global temperature, would result in an increase extreme climatic events such as heat waves, sea level rise, storm surges, droughts and flooding mainly in South Asia. The coastal and deltaic regions of India, cities of Mumbai and Kolkata are reported to be particularly vulnerable to the risks of flooding. Major rivers such as the Ganga, Indus, and Brahmaputra, are also vulnerable to the effects of climate change due to the rapid melting of glaciers and loss of snow cover there by resulting in a significant risk of flooding.

In India climate change has impacted the natural ecosystems and is expected to have substantial adverse effects on agriculture on which 58 per cent of the population still depends for livelihood, snow cover in the Himalayan glaciers which are the source of major rivers and groundwater recharge, sea-level rise, and threats to a long coastline and habitations. Climate change will also cause increased frequency of extreme events such as floods, and droughts. These in turn will impact India’s food and water security. The Hon. Prime Minister Shri.Narendra Modi also expressed his concern on climate change and food security of the country. India is concerned about the rising ocean levels that would threaten the 7500 km of coastline and nearly 1300 islands. Retreats of the Himalayan glaciers that feed our rivers and nurture our civilization are also under threat.

 **Impacts of Climate Changes:**

**Agriculture and Food Security:**

Climate change is projected to have significant impacts on agricultural production, in more than one way. Besides affecting cop yields, it also alters the flowering and fruiting pattern of perennial horticultural species such as apple. The pest and disease scenario has already started shifting and newer pests and diseases are emerging.

 **Water Stress and Water Insecurity**

Climate change is expected to exacerbate the current stress on water resources. By 2020, between 75 and 250 million people are projected to be exposed to increased water stress due to climate change. Water resources are expected to come under increasing pressure in the Indian subcontinent.

**Rise in Sea Levels**

Sea level rise due to global warming is inevitable. Sea level rise occurs due to thermal expansion and melting of ice sheets. Thermal expansion would continue for many centuries even after GHG concentrations have stabilized causing an eventual sea level rise much larger than projected for the 21st century.

**Impacts on Coastal States in India**

 The coastal states of Maharashtra, Goa and Gujarat face a grave risk from the sea level rise, which could inland flooding and cause damage to coastal infrastructure and other cultivable lands. Many species living along the coastline are also endangered. The coral reefs that India has in its biosphere reserves are saline sensitive and rising sea levels threatens their existence. Other marine resources such as phytoplankton, fish stocks and fishermen who depend on marine resources are also under grave threat.

 **Impacts on India’s Biodiversity**

India is a land of mega-biodiversity, encompassing eco-systems ranging from glaciers to deserts. Climate change poses a grave threat the biodiversity of the country. Mountain ecosystems which are hot spots of biodiversity are affected by rise in temperature and human activities, which led to fragmentation and degradation of the fragile mountain biodiversity. The Himalayan ecosystem is considered as the lifeline of India and our neighboring countries such as China, Pakistan, Nepal, due to the origin of perennial rivers that originate from melting glaciers. It is the Himalayan region is home to the highest number of glaciers apart from the Polar Regions. Climate change is bound to alter this fragile ecosystem forever.

**Climate Change and Health**

 Climate change poses a host of threats to the survival of mankind. The debilitating impact of climate change has broadened the sphere of discourse much beyond the traditional concern like environment or development. The far reaching consequences of climate change have forced policymakers and planners to look at every possible aspect of human survival. Arguably, it has catastrophic effects on human health. Each year, about 800,000 people die from causes attributable to air pollution, 1.8 million from diarrhea resulting from lack of access to clean water supply, sanitation, and poor hygiene, 3.5 million from malnutrition and approximately 60,000 in natural disasters.46 A warmer and more variable climate would result in higher levels of some air pollutants, increased transmission of diseases through unclean water and through contaminated food.

The Nicolas Stern Committee Report stressed on reduction of greenhouse gas emissions by remodeling life style and by transiting from a carbon economy to a non-carbon economy. We need to remodel our outlook and achieve the goal of sustainable development. By adopting a combination of factors which include the adoption of clean technologies, equitable distribution of resources and addressing the issues of equity and justice, we can make our developmental process more harmonious with nature. If our thinking is right, we will form a true global partnership of capabilities and needs that leads us to a low carbon age.

**Call for Papers**

**International Conference on**

**Climate Change and Sustainable development**

*With a special reference to INDIAN Context*

The conference would focus on four main thematic areas viz., Climate change and Climatology, Evidence of Climate Changes, Sustainability and Climate Change, Effective Adaptation and a number of sub themes spread over three days from 23 Aug. 2017 to 25.Aug.2017 at Madurai, India.

**Sub Themes**

* Climate Science and Climate Modeling
* GHG Mitigation and Energy Recovery from Waste
* Solar Energy
* Wind Energy
* Land Use and Climate Change
* Bio-energy for GHG Mitigation
* Clean Development Mechanism: Principles and Practices
* Climate Change, Agriculture and Food Security
* Climate Change and Adaptation in Water Sector
* Climate Prediction and Early Warning System Community and Climate Adaptation
* Climate Change Vulnerability and Adaptation
* Climate Change and Water Resources
* RET screen for Renewable Energy Design Systems
* Clean Coal Technologies
* Science of Climate Change and Environment Co-Benefit
* Energy Resources and Technologies
* Energy Environment and Climate Change: Issues and Strategies
* Community and Climate Adaptation
* Climate change and Health Well being
* Tools used in Climate changes Study.
* Microclimate changes due to the impact of El-Nino in Indian context.

**Broader details:**

Climate change and food security
• Climate Prediction: Modeling and Detection of Recent and Future Climate Change
• Observations for Long-Term Climate Monitoring
• Climate Change impacts on biodiversity conservation and natural resource management
• Role of Renewable Energy Sources in a Warming World
• Climate Change and Energy: Policies, Planning & Management
• Climate Change and Sustainable Development
• Urbanization and flood risk implications in coastal and other areas
• Green growth and policy challenges in coastal zone management
• ICT, climate risk communication and public awareness framing Government and non-government sector experiences with respect to climate change – Civil society and NGO experiences – Industry and business sector experiences with climate change including finance
• International diplomacy, climate change and adaptation finance
• Dealing with climate change: poverty and gender issues
• Climate change: Impacts on water and sanitation and health in the developing world
• Indigenous knowledge systems and climate change adaptation
• Climate Change and Technology
• Climate change and Green initiatives & products

Impact of urbanization on climate change in the form of Municipal solid waste, traffic emissions and related fossil fuel related emissions;

Recurrence of droughts due to climate change and their sustainable
development,

Climate Change and Atmosphere

Climate Change and Agriculture and Food Issues

Climate Change and Policy & Social Systems.

Climate Change and Built Environment.

Development of local standards and codes for sustainable development.

Abstracts pertaining to the above themes are accepted. All abstracts not exceeding 500 words (in duplicate) in Times New Roman font with 12” size should reach Dr. P.S.Navaraj, Organizing Secretary, ICCCSD 2017, Conference Secretariat, Annai Fathima College of Arts and Science (Madurai Kamaraj University), Madurai, India on or before **31 March 2017**. Abstracts will be reviewed by the Scientific Review Committee on the basis of Scope / Theme of ICCCSD-2017 and will be classified as ORAL or POSTER presentation. *Acceptance will be communicated by* **15 April 2017.**

Authors will have to submit full manuscriptof the paper(s) (with original figures, if any) to the Conference Secretariat by **30 May 2017**. Necessary instructions regarding preparation of the manuscript(s) will be sent along with the acceptance and author(s) are requested to submit the final text in electronic form (CD).

Further details can be heard from

**Dr. P.S. Navaraj**

Organizing Secretary

Principal, Annai Fathima College of Arts and Science

Alampatti, Tirumangalam

Madurai.

navaraj2k1@yahoo.co.uk

, info@annaifathimacollege.edu.in

navaraj2007@gmail.com

9442648168; 9486530948

Madurai: “The Temple City” of India



**Aerial View (part only) of Meenakshi Amman Temple, Madurai.**

Madurai city is known as the Temple city of India and it is the second biggest city next to Chennai in Tamil Nadu. It was also the capital of earlier Pandyan Kingdom and the seat of earlier Tamil Sangam. **Meenakshi Amman Temple is situated at the centre of the city and it is considered to be one of the oldest and biggest Temple in India**. The city is well connected by air, rail and road. The city is flooded with number of higher learning Institutions and tourists from all over the world. Madurai Airport has been updated very recently (inaugurated on 12th September 2010) with ultra-modern facility and upgraded as an International Airport. Apart from Meenakshi Temple, the following are very attractive tourist centers in around Madurai:

* *Thirumalai Naicker Mahal in the close vicinity of the Meenakahi Amman Temple, Rameswaram is world famous tourist centre in south India and is about 120 km Kodaikanal situated at 4000 m (amsl) has a beautiful scenario and attractive freshwater natural lake and is about 120 km*
* *Thekkadi is a famous wild life sanctuary situated in Kerala border and is about 140 km away. One can have a look of wild animals (Elephant, Deer and Tiger) while sailing in the boat at Mullai Periar dam.*
* *Munnar Green Valley a beautiful scenic place situated in Kerala is about 200 Km from Madurai*
* *Palani Subramanya temple is about 120 km away from Madurai*
* *SriRanganatha Swamy Temple at SriRangam (Trichy) is about 160 km*
* *Kanyakumari is the land end of peninsular India and one can see the sun rise and sun set as if it is rising from Indian Ocean and setting in to the sea. Vivekananda Rock memorial and Saint Thiruvalluvar Statue (133 feet height) are situated inside the sea and it is about 240 km away from Madurai.*
* *The Niagara of India, Courtallam is about 150 kms from Madurai.*

**Venue**



**Vision**

To serve the society and the student community by providing an education system which can meet the demands of tomorrow’s world and to create an aspiration for modern education among rural community and inspire them to match with the global standard.

**Mission**

* To play an important role in building the social infra-structure with the spirit of modern education values.
* To reach beyond the barriers of society with the spirit of Freedom, Justice and Tolerance.
* To develop the spirit of a common- man through Discipline, Dedication and Divination.
* To develop the spirit of leadership of national fervor and the spirit of ‘Universal scholar’ by imparting Value Education

**Pre-Registration Form for ICCCSD-2017**

**INTERNATIONAL CONFERENCE ON CLIMATE CHANGE AND SUSTAINABLE DEVELOPMENT**

**(ICCCSD-2017)**

***DELEGATE INFORMATION***

|  |  |
| --- | --- |
| **Title** (Prof/Dr/Mr/Mrs) | **Given name** (for badge) |
| Family Name |
| **Position** |
| **Address**(with PIN) |
| **Telephone (Off) (Res)** |
| **FAX** |
| **e-mail** |
| **Name(s) of accompanying person(s), if any** |
| Are you (i) contributing a paper -- YES / No (ii) attending ICCCSD 2017 -- YES / No |

**REGISTRATION FEE**

Note: All Foreign participants have to pay the Registration Fee in US dollars only. Registration fee should be paid through DD drawn in favour of ICCCSD-2017, Annai Fathima College of Arts and Science payable at Tirumangalam,Madurai and sent to Dr.P.S.Navaraj, Conference Secretariat, ICCCSD-2017, Annai Fathima College of Arts and Science, Tirumangalam, Madurai -625 706

|  |
| --- |
| Delegate Rs.4000/- or US $300/- \* |
| Research Scholar Rs.2000/- or US $150/- \* |
| Student Rs.1000/- or US $100/- # |
| Accompanying Person Rs.1000/- or US $ 100/- (for each person) @ |

\* Includes registration material, working lunch, conference dinner, tea..

# Only registration material (proceedings), working lunch, conf. dinner, tea.

@ Only working lunch, conf. dinner, tea.

|  |
| --- |
| **Mail to:** **Conference Secretariat,** **ICCCSD-2017,****Annai Fathima College of Arts and Science, Science,** **Madurai-625 706, Tamil Nadu, India.****Ph:** +91-9442648168**E-mail : navaraj2k1@yahoo.co.uk ,** **navaraj2007@gmail.com**9442648168; 9486530948 |

**ACCOMMODATION**

The participant(s) will be accommodated in hotels on payment basis. Delegates are requested to send their accommodation requirements well in advance. The tariff of the various hotels located in Madurai is given below.

**REQUEST FOR HOTEL ACCOMMODATION**

**ICCCSD-2017, Madurai**

**Aug. 23-25, 2017**

1. Name (in BLOCK Letters)

2. Contact Address

 Phone Fax

 e-mail

3. Passport Details (for foreign delegates)

3. Accommodation required Single / Double

4. Category

|  |  |  |
| --- | --- | --- |
| ***Hotel* Category** | ***Tariff (Rs.) per day*** | ***Your choice*** |
|  | Single | Double | Single | Double |
| ‘A’ (Luxury AC) | 5000 | 7500 |  |  |
| ‘B’ (Delux AC) | 3000 | 4000 |  |  |
| ‘C’ (AC) | 2500 | 3000 |  |  |
| ‘D’ (Non AC) | 2000 | 2500 |  |  |
| ‘E’ (Non AC) | 1000 | 1500 |  |  |
| ‘F’ (for students; Non AC) | 750 | 1200 |  |  |

5. Deposit for accommodation enclosed: YES / No in the form of a DD drawn in favor of **ICCCSD-2017**, Annai Fathima College of Arts and Science and payable at Madurai.

 **Note:** Hotel reservations cannot be confirmed until we have received your deposit.

Your request in the above format along with the DD in favour of **ICCCSD-2017**, Annai Fathima College of Arts and Science , Tirumangalam , Madurai should reach the address mentioned below:

**Dr. P.S. Navaraj**

Organizing Secretary (ICCCSD 2017),

Annai Fathima College of Arts and Science,

Tirumangalam, Madurai, India

Email : navaraj2k1@yahoo.co.uk, navaraj2007@gmail.com

 ***IMPORTANT DATES***

|  |  |
| --- | --- |
|  **Sending the Abstract** |  **31 March 2017** |
|  **Acceptance of the Paper**  |  **15 April 2017** |
|  **Submission of Full paper** |  **30 May 2017** |
|  **Remitting Regn.fee** |  **30 May 2017** |
|  **Accommodation request with amount**  |  **30 June 2017** |

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Chennai.

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 Dean ,AFC, Madurai.

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 Assistant Professor,

 AFC, Madurai.

 **Er.M.Nayaz**,

 Assistant Professor,

 Dept.of Management,

 AFC, Madurai.

 **Mrs.Ramadevi**

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**Arnold Moyo (Mr)**

GIS & Climate Change/Heritage Conservation Expert

Avondale

Harare, Zimbabwe

**Lerato Letebele**

Lerato Letebele lerato@350.org

**Koreti Mavaega Tiumalu**

Pacific Region Coordinator, [350.org](http://350.org/)

**Prof. Dr. Walter Leal**

Applications of Life Sciences

Head of the Research and Transfer Centre „

Applications of Life Sciences“

Hamburg University of Applied Sciences

21033 Hamburg

Germany

**Professor Vijay P. Singh**,

Academician (GFA)

Distinguished Professor

Department of Biological and Agricultural Engineering &Civil Engineering

Texas A and M University

321 Scoates Hall, 2117 TAMU

College Station, Texas 77843-2117, U.S.A.

**Dr. Nidal Salim**
Director

Global Institute for Water Environment and Health
Rue de Chantepoulet, 10
1201 Genéva

**Larry D. Hinzman**

Vice Chancellor for Research

Professor of Civil and Environmental Engineering

University of Alaska Fairbanks

PO Box 757270

909 Koyukuk Drive

Fairbanks, AK 99775-7270

**Dr. Saleem Sarwar**

Sr Water Resources Engineer / Climate Change Expert

Engineering General Consultants EGC Pvt. Ltd.

95/3A, Nisar Colony, Sarwar Road, Lahore Cantt,

Pakistan

**Bapon (shm) Fakhruddin, PhD**Chief Technical Adviser- EWACC Project
UNDP Samoa, Senior Specialist, Tonkin+Taylor International
Level 2, 105 Carlton Gore Rd, Newmarket, Auckland 1023 | PO Box 5271,
Wellesley Street, Auckland 1141,

New Zealand

**Ranjan Kumar Mallick,**

Asian Institute of Technology

Bangkok

**Dr.Madhav Narayan Shrestha**

Integrated Urban Environmental Project

Asian Development Bank Funded Project

BDA-CEMAT JV

Kavra Valley, Nepal

**Michael P. Hoffmann**

Executive Director,

[Cornell Institute for Climate Smart Solutions](http://climateinstitute.cals.cornell.edu/)

105A Rice Hall, Cornell University, Ithaca,

NY 14853-5905

**Dr.Brian von Herzen**,

Executive Director,

The Climate Foundation,

USA.

**Dr,Baskar Gopalan**

Shinas College of Technology

Muscat

Sultanate of Oman

**Prof. Walter Dragoni,**

Università di Perugia,

Piazza Università 1- 06123 – Perugia,

Italy.

**Mohamed Afifi** ,

Mechanical Department
MTI University ,

Cairo,Egypt

**Dr.M.Ramaswamy**

**Technical Expert – Royal Estates**P.O.Box No - 1100
[P.C.NO](http://p.c.no/) - 100
Muscat.

**Dr.Kalpana Giri**

**Scientist**

Stockholm Environment Institute

Sweden.

**Dr. ODOULAMI Léocadie**

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Africa.

**Kedar Rijal**,

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Tribhuvan University

Kathmandu

Nepal

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Quito,

Ecuador.

**Leslie Houston**

Environment Software Developer

Waterloo hydrogeologic.

Canada

**Aishwarya Kaul**Department of Energy Technology,
Section for Power Electronics Systems,
Niels Bohrs Vej 8, 6700 Esbjerg

Denmark.

**Joacim Rocklöv**

Associate Professor,

Dept.of Occupational Medicine

UMEA University

Sweden.

**Athanase Mukuralinda**

Country representative to Rwanda

NIRDA Research Center
P.O. Box 227 Huye District
Southern Province-Rwanda

**Dr. R. Rathnayake**National Institute of Fundamental Studies
Hantana Road,
Kandy 20000
Sri Lanka

**National Advisory Committee**

**Dr.M.Thangarajan**

Retd.Chief Scientist

NGRI

Hyderabad.

**Dr.Manoj Kumar Patairiya**

Director

CSIR-National Institute of Science Communication and Information Resources

Pusa

New Delhi.

**Dr. A. Jayaraman**Director
CSIR-National Atmospheric Research Laboratory
Dept of Space, Govt of India
Gadanki 517112, AP, India

**Dr.BK.Sahu,**

Emeritus Professor,

Indian Institute of Technology Mumbai

Mumbai

**Dr.B.S.Sukhija,**

Retd.Scientist-G,

NGRI,

Hydearbad

**Prof. V.Subramanaim,**

Emeritus Professor,

Jawaharlal Nehru University

New Delhi.

**Prof. MNV.Prasad,**

School of Environment sciences

University of Hyderabad

Hyderabad.

**Dr.V.Ravindra Babu**

Director

Indian Institute of Rice Research

(Indian Council of Agricultural Research)

Hyderabad.

**Dr.Bhoop Singh**

Head (NRDMS & NSDI)

Department of Science & Technology

Technology  Bhawan

New Mehrauli Road, New Delhi-110016

**Dr. Narendra Singh Rathore**,

Deputy Director General (Education)
Division of Education,

Krishi Anusandhan Bhawan - II,

New Delhi.

**Dr Rokkam R Rao**

Executive Director,

ICMPO, IITM

Pune 411 008

**Dr.G.Selvakumar**

Senior Scientist (Agrl. Microbiology),

Indian Institute of Horticultural Research,

Hessaraghata Lake Post

Bangalore -560089.

India

**Prof. Ram Rajasekharan**

Director

CSIR-Central Food Technological Research Institute,

Mysore-570 020

570 020.

**Shri.Kuldeep Singh**Deputy General Manager

National Bank for Agriculture and Rural Development,

Mumbai

**Dr.S.Gomathinayagam**

Director General (DG)

National Institute of Wind Energy (NIWE)

657/1A2, Velachery - Tambaram Main Road,

Pallikaranai,

Chennai - 600 100. India

**Dr. S.G.D. Sridhar**

Associate Professor,

Department of Applied Geology

University of Madras, Guindy Campus,

Chennai 600 025

**Dr. Basanti Baroova**Professor (Food Science, R & D)
Executive Member, Nutrition Society of India

IICPT, Govt. of India, RC-Guwahati

**Dr.Manish Nema**

Scientist

National Institute of Hydrology

Water Resources Systems Division

Jal Vigyan Bhavan, Roorkee – 247 667

Distt. Haridwar, Uttarakhand (INDIA)

**Dr. Gufran Beig, FASc.**,

Scientist-G

Project Director, SAFAR
*SSB-*Shanti Swarup Bhatnagar Awardee
Indian Institute of Tropical Meteorology
(*Ministry of Earth Sciences, Govt. of India*)
Pashan, PUNE-411008, INDIA

**K. Alagusundaram**

Deputy Director General (Natural Resources Management)

Indian Council of Agricultural Research

101, Krishi Anusandhan Bhawan - II

Pusa, New Delhi - 110 012

**Dr. Madan Kumar Jha**

Professor (Groundwater Hydrology)
Agricultural and Food Engineering Department
Indian Institute of Technology Kharagpur
Kharagpur - 721 302, West Bengal, India

**Dr. Chandan Kumar B**

*Assistant Professor,* Department of Geology

School of Earth Science Systems

Central University of Kerala

*Tejaswini Hills, Periye*

Kasargod - 671 316

Kerala, IN

**Dr. V.K. Garg**Professor
Centre for Environmental Science and Technology

Central University of Punjab,

Bathinda - 155001, Punjab, India.

**Sagar M. Gawande**

Head,Dept. of Civil-Environmental Engineering

Anantrao Pawar College of Engineering and Research

Pune, India -411009

**Dr. Prasanna Yennawar,**
Deputy Director,
Fresh Water Biology Regional Centre,
Zoological Survey of India,
Ministry of Environment, Forests & Climate Change,
Attapur, Hyderguda PO, Hyderabad 500 048 .

**Dr.  J.S. Pandey**

Chief Scientist & Science Secretary

Head, Climate Change,
CSIR-National Environmental Engineering Research Institute (NEERI)
NAGPUR - 440 020, India - 440020.

**Dr.B P Singh**

Head

NCSTC,

Dept. of Science and Technology

Technology Bhavan,

New Mehrauli Road.

New Delhi.

**Dr.A.Ramachandran**

Vice Chancellor

Kerala University of Fisheries and Ocean Studies

Panangad P.O., Kochi, Ernakulam

Mob : 9447062400

**Dr.P.Ghosh**

Scientist,

Divecha Centre for Climate Change

Indian Institute of Science,

C.V. Raman Avenue, Bangalore - 560012

Karnataka, India.

**K V Jayakumar,**

Professor of Civil Engineering

and

Dean (Planning & Development)

National Institute of Technology

Warangal

**Dr. P.K. Tewari**

Raja Ramnna Fellow & Professor, Homi Bhabha National Institute

Distinguished Scientist  & Former  Associate Director , Chemical Engineering Group

Bhabha Atomic Research Centre, Trombay, Mumbai 400 085 (India)

**Dr. J.S.Yadav**,
CSIR Bhatnagar Fellow

(Former Director, CSIR-IICT)

CSIR- Indian Institute of Chemical Technology
Hyderabad - 500607
India.

**Dr.Biswajit Maity**,

CSIR-Central Drug Research Institute,

Biochemistry Division,

B.S.-10/1, Jankipuram Extension Sector -10

Sitapur Road, Lucknow -226031, UP, INDIA.

**Dr. S. Mohan**

Professor & Former Head of the Department

Environmental and Water Resources Engineering Division

Department of Civil Engineering

Indian Institute of Technology Madras

Chennai - 600 036

**Dr. S. M. Chitre**
Distinguished Professor
Centre for Excellence in Basic Sciences
Health Centre Building,

University of Mumbai
Vidyanagari Campus, Kalina
Mumbai 400098

**Dr.G.R. Narasimha Rao, Ph D**Director
Industrial Energy Efficiency Division
The Energy and Resources Institute (TERI)
4th Main, Domlur II Stage,
Bangalore-560 071

**Dr.(Mrs.) Faby Sunny**

EMS/Bhaba Atomic Research Centre,

Mumbai -400085

**Dr.K.K.Vijayan**

Director

Central Institute of Brackishwater Aquaculture

75, Santhome High Road, R.A. Puram

Chennai - 600 028 Tamil Nadu. India

**Dr.Rajnish Prakash**



Chairman,

Atomic Energy Education Society

Central office, Western Sector

Anushaktinagar

Mumbai -400 094.

**Dr A Shaul Hameed**

Senior Principal Scientist and Head (Retd.)

Isotope Hydrology Division

CWRDM, Kozhikode

**Dr. Gautam Gupta**

Associate Professor
Solid Earth Geomagnetism Division

Indian Institute of Geomagnetism
Plot No. 5, Sector 18, New Panvel
Navi Mumbai, Maharashtra – 410 218

**Dr.Shakeel Ahmed,**

Chief Scientist

**National Geographical Research Institute,**
Uppal Road, Hyderabad-500007.
Telangana, India.

**Prof. Dhiren Vandra**

Associate Professor

College of Rural Studies

At. Mangrol Dist. Junagadh

Gujarat.

**Prof A K Rastogi**

Professor

Dept.of Civil Engineering

IIT- Bombay.

**Professor YP Abrol**
Founder President & Chief Patron,
Society for Conservation of Nature

& Founder Chair, Sustainable Trust India(SIT)

F4, NASC Complex, CGIAR Block,

DPS Marg, New Delhi 110012, INDIA

**Dr. C.Mayilsami**
Professor (SWCE)
Soil & water Conservation,
groundwater
Water Technology Centre, Taminadu Agricultural University,

Coimbatore.

**Dr. Joykrushna Jena**,

Deputy Director General (Fisheries)
Division of Fisheries, Krishi Anusandhan Bhawan - II,

New Delhi - 110 012

**Dr. P. Jothimani**
Asst. Professor (ENS)
Solid waste management and ground water pollution
water technology centre

Tamilnadu Agricutural University

Coimbatore.

**Dr. S.N. Rai,**

ex- Hon. Visiting Fellow, IIT Roorkee

ex-Chief Scientist
CSIR-National Geophysical Research Institute
Uppal Road, Hyderabad- 500 007.

**Mr.Aditya Vidyasagar**

Chief Executive Facilitator
Innovations-at-CSR I Performance Growth I
Leadership I Communications Management I

**Dr. S.F.R.Khadri**

Professor and Head

Dept. of Geology

Director, IQAC

SGB Amravati University, Amravati-444602 (MS)

**Dr. Namrata Pathak**Director/ Scientist 'F'
Technology Mission Division (TMD),
Nano Mission
Department of Science & Technology (DST),

Ministry of Science and Technology,
Government of India
Technology Bhavan,

New Mehrauli Road
New Delhi-110 016

**Dr.M.R.Dinesh**

**Director**

ICAR-IIHR, Hessaraghatta lake post,

Bengaluru-560 089.

**Dr. Rajnarayan R Tiwari**Director

National Institute for Research in Environmental Health,

Kamla Nehru Hospital Building,

Gandhi Medical College Campus,

Bhopal-462001

**Dr.K.Palanivelu**

Professor

Anna University,

Chennai

**Dr Baride M V,**

Ex Registrar,North Maharashtra University, Jalgaon,

Ex Head, Department of Geology,

Z B Patil College, Deopur, Dhule 424002

**Er.Ingersol.S**

Scientist G

Group Director, SRG

ISRO, IPRC

Mahendragiri 627133

**Dr.Shrikant Limaye**

Director
Water Institute

Pune

**Dr.S.Vasudevan**Principal Scientist

Electroinorganics Division,

CSIR-Central Electrochemical Research Institute

Karaikudi -630006
Tamil Nadu.

**Dr.Elango Lakshmanan**

Professor

Dept. of Geology

Vice-President, International Association of Hydrological Sciences

Vice-President, Indian Chapter -International Association of Hydrogeologists

Anna University

Chennai(Madras) 600025

**Dr.Raki Jha**

National Institute of Animal Welfare
42 K.M Stone, Delhi-Agra Highway (NH-2), Near Village - Seekri, Ballabhgarh, Faridabad
Haryana – 121 004.

**Dr.Susanta Kumar Parida**

Dept.of Political Science

Utkal University

Vanivihar,Bhubaneswar,

Odisha

**Prof.A.L.Ramanathan**

Professor

Dept.of Enviornment Sciences

Jawaharlal University

New Delhi.

**Prof. Dr. Murthy Chavali Yadav**

Professor of Analytical Chemistry & Nanotechnology

VFSTR University, Vadlamudi,

Guntur 522 213

Andhra Pradesh.

|  |
| --- |
| **Dr. P.P. Dhyani,** **Director**G. B. Pant National Institute of Himalayan Environment and Sustainable Development (GBPNIHESD)Kosi-Katarmal, Almora-263 643, Uttarakhand.**Dr. Nandini N.,**Professor & ChairpersonDepartment of Environmental ScienceJnana Bharathi CampusBangalore UniversityBangalore - 560 056 |

**Prof BC. Prabhakar**Prof of Geology & Director
IQAC, Bangalore University,

Bangalore.

**Dr.Singh, Pal Virendra**

Senior Policy Advisor

Country Representative to INDIA

World Agro Forestry Centre

National Agricultural Science Complex
Dev Prakash Shastri Marg
Pusa Campus
New Delhi 110012
India

**Dr. Prosenjit Ghosh**

Scientist

Centre for Atmospheric and Oceanographic Science &

Divecha Centre for Climate Change

Indian Institute of Science,

C.V. Raman Avenue, Bangalore - 560012

Karnataka, India.

**Prof. U. C. Mohanty**

Emeritus Professor

School of Earth, Ocean and Climate Sciences

 Office : 708

Phone : +91 674 2576117

**Dr. Sanjaykumar Narayan Patil**

**Professor**

School of Environmental & Earth Sciences,

North Maharashtra University,

Post Box No.80,

Jalgaon- 425 001

Dr. **Neera Kapoor**.

Professor ,

Indira Gandhi National Open University

Department of Sciences

New Delhi.

**Dr. R Parthasarathy**

Director

Gujarat Institute of Development Research

Gota, Ahmedabad, 380060

**Dr.Shalini Yadav**

Assistant Professor

Guru Gobind Singh Indraprastha University

New Delhi.

**Mrs.Priya Chawla**

President | Indian Youth Climate Network

New Delhi.

**Dr. Prasanna Yennawar**,
Deputy Director,
Fresh Water Biology Regional Centre,
Zoological Survey of India,
Ministry of Environment, Forests & Climate Change,
Attapur, Hyderguda PO, Hyderabad 500 048 .

**Seema Z. Kaul**

Former consultant in Nielsen India Private Limited

New Delhi.

**Ganesan Srinivasan**

Professor

Raja Ramanna Fellow of the Department of Atomic Energy,

&

Professor, Homi Bhabha National Institute,

&

Scientific Consultant to the Office of the Principal Scientific Advisor to the Govt of India, New Delhi.

**Shwetal Shah**
Technical Advisor - Climate Change Department,

Government of Gujarat
Office: 1st Floor, Block 11, Sachivalaya, Gandhinagar - 382010