



## 2<sup>nd</sup> World Congress on Water Agriculture and Climate

<https://www.tribaf.org/worldcongress2023>

NOVEMBER 23-26, 2023

### THEME

### Managing Risks and Disasters: Building Resilience for a Sustainable Future

#### ORGANIZED BY

Organized by International River Basin Foundation –World Council of Professionals and Industries (WCPI)

River Water User Association (India)- Institute of Rural Development and Research Allahabad

<https://rwua.org.in>

International River Basin Foundation and River Water User Association (India)

### INAUGURAL DAY

### PROGRAMME SCHEDULE NOVEMBER 23, 2023

05:00-05:20

P.M. (IST)

### Entry opens

05:20- 05:30

P.M. (IST)

### About the Organizers

#### Welcome Address

05:30-05:40

P.M. (IST)

**Prof.(Dr.) Rajendra Kumar Isaac Organizing Chair**

2nd World Congress on Water, Agriculture, and Climate

**Chair Inaugural Session: Chair Prof. Dr. Y.M. Kool, Ex. Vice Chancellor, P.K. University, M.P.**

05:40-06:00

P.M. (IST)

*Inaugural Address*

**U. P. Singh**

**Secretary, Ministry of Textile, GOI**

Former Secretary, Department of Water Resources  
River Development and Ganga Rejuvenation,  
Ministry of Jalshakti,  
New Delhi, Government of India.

06:05-06:25

P.M. (IST)

*Plenary Address*

Research interaction and joint projects with India within the framework of the concept of the Third Pole based on the mega –transact approach.

**Sergey N. Kirpotin**

Professor, Doctor of Sciences  
Director, "Bio-Clim-Land" Center of Excellence  
National Research Tomsk State University  
Russia

06:30-06:40

P.M. (IST)

*Special Brief Address*

Water Governance and Institutional matters

**Dr. Susana Neto**

Portuguese Association of Water Resources (APRH),  
Portugal

06:45-07:05

P.M. (IST)

*Plenary Address*

Determination of Climate Change Intensity for better  
Adaptation Actions-Case of the Aral Sea Basin

**Dr. Vadim Sokolov**

Head of Agency of IFAS  
Uzbekistan

07:10-07:30

P.M. (IST)

*Special presentation*

Downscaling and modelling climatic change projections with rainfall erosivity impact and wind velocity potential in the variability of tropical climate: a track towards space-earth sustainability nexus

**Dr. Monday Sunday ADIAHA**

Academic Researcher/Scientist:  
Extension Division,  
Department of Planning, Research Extension And  
Statistics,  
Nigeria Institute of Soil Science (NISS)

07:30-07:50

P.M. (IST)

*Plenary Address*

Steering the Present towards a Sustainable Future

**Dr. Sundaresan Subramanian**

President, ConsultSubi, IL, USA

07:55-08:15

P.M. (IST)

**Chair: Prof. Dr. Y.M. Kool**

**Question Hour and Discussion Session on presented papers**

**CHAIR: Prof. Dr. Y.M. Kool Co-Chair Prof. R.K. Isaac, Co- Chair- Dr. S.M. Adhiaha**

**Closing of Inaugural Session**



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### DAY-2

### Thematic Session: Managing Disasters and Climate Change

Time: Nov 24, 2021 05:30 PM India

Chair Inaugural Session: Chair Prof. Dr. Y.M. Kool, Ex. Vice Chancellor, P.K. University, M.P

#### Welcome of Participants

Prof.(Dr.) Rajendra Kumar Isaac Organizing Chair, 2nd World Congress on Water, Agriculture, and Climate

5:30 PM to 6:10 PM	<b>Plenary Address</b> Flood Disaster Risk Reduction and Resilience	<b>Dr. A.L. Haldar</b> Consultant, National Institute of Disaster Management, Ministry of Home affairs, New Delhi, India
6:15 PM to 6:35 PM	<b>Plenary Address</b> Impact of Pharmaceutical Pollutants on Human Health	<b>Dr. Alok Mukerjee</b> Professor & Principal United Institute Of Pharmacy Allahabad,UP
6:40 PM to 7:00 PM	<b>Plenary Address</b> Water Security for sustainable Development	<b>Mr. Mahendra Mehta</b> Former Commissioner, Ministry of Water Resources, New delhi, GOI.
7:05 PM to 7:25 PM	<b>Plenary Address</b> Entrepreneurship Opportunities on Horticultural Crop Processing Technologies	<b>Dr. R.T. Patil</b> Former Director ICAR-CIPHET, Ludhiana, Punjab
7:30 PM to 7:50 PM	<b>Plenary Address</b> Novel case studies on utilizing IoT and AI towards effective and efficient water management and conservation	<b>Dr. Ashok G. Matani</b> Professor [ Retired] - Mechanical Engineering Department, Government College of Engineering, Jalgaon - [M.S.]
8:55 PM to 8:10 PM	<b>Keynote Address</b> Climate Change Vulnerability to Himalayan Local Food Systems in the Context of Environmental Change	<b>Dr.Om Katel</b> Lecturer and Dean of research at college of Natural Resources, Royal University of Bhutan
8:35 PM to 8:50 PM	<b>Keynote Address</b> Community Engagement through people participation by community Leaders	<b>Prof. Amarjeet Singh</b> CGVV Chitrakoot, M.P. India
8:50 PM to 9:05 PM	<b>Special Oral Presentation</b> Climate-resilient pre-fab sheds for sustainable goat production in humid tropics	<b>Dr. T. Giggin</b> Assistant Professor and Head, Department of Animal Husbandry, College of Agriculture Padannakkad, Kerala Agricultural University,
9:05 PM to 9:15 PM		

Chair: Mr. Mahendra Mehta

**Question Hour and Discussion Session on presented papers**

CHAIR: Mr. Mahendra Mehta Co-Chair Prof. R.K. Isaac, Co- Chair- Dr. S.M. Adhiahia

**Closing of Inaugural Session**



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### DAY-3

### Thematic Session: Sustainable Technologies for Management and Conservation

Nov 25, 2021 05:30 PM

#### Welcome of Participants

Prof.(Dr.) Rajendra Kumar Isaac Organizing Chair, 2nd World Congress on Water, Agriculture, and Climate

5:30 PM to 5:50 PM	<b>Plenary Address</b> Revival of Water Ethics in Rajasthan	<b>Mr. Mahendra Mehta</b> Former Commissioner, Ministry of Water Resources, New delhi, GOI.
5:55 PM to 6:15 PM	<b>Plenary Address</b> Continental Climatic Vulnerability and strategies to Enhance water productivity for sustainable Agriculture	<b>Prof. R.K. Isaac</b> Professor Irrigation and Drainage, Sam Higgin bottom University of Agriculture and Technology, Prayagraj, India
6:20 PM to 6:35 PM	<b>Keynote Address</b> Reclamation and Biodiversity Conservation	<b>Dr. Ms. Kumud Dubey,</b> Scientist ICFRE-ERC, Prayagraj, U.P.
6:40 PM to 6:55 PM	<b>Keynote Address</b> Estimating reservoir water quality using satellite remote sensing algorithms	<b>Dr. Never Mujere</b> Department of Geography Geospatial Sciences and earth Observation, University of Zimbabwe
7:00 PM to 7:15 PM	<b>Keynote Address</b> AI technologies and sensors towards improved water accounting	<b>Dr. Ashok G. Matani</b> Professor [ Retired] - Mechanical Engineering Department, Government College of Engineering, Jalgaon - [M.S.]
7:20 PM to 7:30 PM	<b>Special Oral Presentation</b> Floating sheds for goat and poultry management in water-logging and flood-prone areas	<b>Dr. T. Giggin</b> Assistant Professor and Head, Department of Animal Husbandry, College of Agriculture Padannakkad, Kerala Agricultural University,. Kerala, India
7:35 PM to 7:45 PM	<b>Special Oral Presentation</b> Corporate Water Reporting in India and its role in Stakeholder engagement, collaboration, governance and policy	<b>Ms. Shweta Dasgupta,</b> Research Scholar, MANIT, Bhopal

Chair: Mr. Mahendra Mehta

Question Hour and Discussion Session on presented papers

CHAIR: Mr. Mahendra Mehta Co-Chair Prof. R.K. Isaac, Co- Chair- Dr. S.M. Adhiah

Closing of Inaugural Session



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### DAY-3

7:45 PM to 8:30 PM

### International Meet: Global Methane Partnership: Food and Agriculture Pathway

**Chair: Prof. Jeff Cramkin**

**Co-Chair: Prof. R. K. Isaac**

**Speakers: Mr. U.P. Singh, Col. S. Nathan, Dr. Sundaresan Subramanian , Dr.Om Katel, Dr. Monday Sunday ADIAHA, Dr. Ashok G. Matani , Dr. H.S. Gupta, Dr. R.T. Patil, Dr. Alok Mukherjee, Mr. Mahendra Mehta, Dr. Pritam Verma and others**

**Purpose:** To develop effective strategies for reducing methane emissions while ensuring food security and sustainable agricultural development

#### Points to Discuss

- *Understanding Methane Emissions Sources*
- *Livestock Management and Enteric Fermentation*
- *Synthetic Fertilizers*
- *Rice Cultivation*
- *Incentive Mechanisms and Policies*
- *Capacity Building and Knowledge Sharing*
- *Sustainable Intensification*
- *Monitoring Data Collection and Reporting*
- *Co-Benefits of Methane Reduction*
- *Engagement with Stakeholders*
- *Manure Management*
- *Crop Residue Management*
- *Technology and Innovation*
- *Collaboration and Partnerships*
- *Adaptation to Climate Change*
- *Policy and Regulation*

**Comments and Closing by Chair: Prof. Jeff Cramkin**





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### DAY-4

### Thematic Session: Managing water and Agriculture

Nov 26, 2021 05:30 PM

#### Welcome of Participants

Prof.(Dr.) Rajendra Kumar Isaac Organizing Chair, 2nd World Congress on Water, Agriculture, and Climate

5:30 PM to 5:50 PM	<b>Plenary Address</b> Management of village ponds as rain water harvesting structures	<b>Mr. Mahendra Mehta</b> Former Commissioner, Ministry of Water Resources, New delhi, GOI.
5:55 PM to 6:10 PM	<b>Special Address</b> Managing Crops for sustainable production	<b>Col. S. Nathan</b> Professional Consultant And Environmentalist
6:15 PM to 6:25 PM	<b>Special Address</b> Sustaining the probability of agricultural sector in India-Is it a challenge for forestry sector or a opportunity?	<b>Dr. H.S. Gupta</b> Ex. IFS Ex. Director, State Tribal Research Institute,Jharkhand.
6:30 PM to 6:45 PM	<b>Keynote Address</b> Reducing Disaster Risk and Crises through Digital Fabric innovation	<b>Dr. Govind Singh</b> CGVV Chitrakoot, M.P. India
6:50 PM to 7:05 PM	<b>Keynote Address</b> Data intelligence for optimizing water resources infrastructure in smart cities towards enhancing water use efficiency	<b>Dr. Ashok G. Matani</b> Professor [ Retired] - Mechanical Engineering Department, Government College of Engineering, Jalgaon - [M.S.]
7:10 PM to 7:25 PM	<b>Special Oral Presentation</b> Sustainable farming practices for Rice in India	<b>Mr. Nimmala M. Reddy</b> AgriCapita Innotech Private Limited, Bhopal, MP, India.

### Valedictory session