



Water Resources Department, Karnataka
WATER AND LAND MANAGEMENT INSTITUTE
(WALMI), DHARWAD



International Conference on Water Management & Climate Change (ICWMCC) 2023

DAY – 1 (24-01-2023) PLENARY SESSION – I (A)

Venue: Nisarga/Nature (Main function Hall) | Time: 12.15 PM to 1.30 PM

- Chair** : **Er. Anilkumar**
PS to Chief Minister, Government of Karnataka
- Co-Chair - 1** : **Hon. Mrs. Karlene Maywald**
Water Expert, South Australian Minister
- Co-Chair - 2** : **Hon. Mohammed Abdel Aty**
Water Expert, Former Minister
Ministry of Water Resources and Irrigation,
Arab Republic of Egypt
- Keynote Address 1** : **Dr. Sharachchandra Lele**
(20 Mins)
Ashoka Trust for Research in Ecology and
Environment, Bengaluru
- Keynote Address 2** : **Dr. Pradeep Majumdar**
(20 Mins)
Scientist, IISc, Bengaluru
- Keynote Address 3** : **Dr. Ashok Dalwai, IAS**
(20 Mins)
CEO, National Rainfed Area Authority, New Delhi
- Rapporteur – 1** : **Dr. Yashaswini Sharma**
Asst. Professor, UAS Kumata Campus
- Rapporteur – 2** : **Dr. Harish Deshpande**
Assistant Professor, WALMI, Aurangabad
- Convener** : **Dr. B. Venkatesh**
Scientist (G), National Institute of Hydrology
(RC- NIH), Belagavi
- Facilitator** : **Kum. Nagaratna Hosamani**
Consultant, WALMI, Dharwad



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International Conference on Water Management & Climate Change (ICWMCC) 2023

Day – 1 (24-01-2023) Panel Discussion
Session 1: Water Management (B) Title: Supply-side Challenges

Venue: Jal / Water | Time: 2.15 PM to 3.30 PM

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|---------------------------------|---|---|
| Chair (10 Mins) | : | Dr. (Mrs) Geetalakshmi
Vice Chancellor, TNAU, Coimbatore |
| Co-Chair - 1 (5 Mins) | : | Er. Mallikarjun B Gunge
Managing Director, KNNL, Bengaluru |
| Co-Chair - 2 (5 Mins) | : | Dr Edwin Kimutai Kanda
Wlrrigation Engineering Specialist, Kenya Shri. |
| Lead Speaker I (15 Mins) | : | Dr. K. Yellareddy
Vice President, ICID, AP |
| Lead Speaker II(15 Mins) | : | Er. Phanish Sinha
President, IndiaNPIM, New Delhi |
| Panelist I (10 Mins) | : | Dr. Rajsingh Rathore
Director, WALMI, Rajasthan |
| Panelist II (10 Mins) | : | Mr. Yezid Bin Mohd Yusoff
Water Works Engineer (Retired), State of Kedah
(PWD), Government of Malaysia |
| Panelist III (10 Mins) | : | Shri. S.N. Sidramappa
Commissioner , KSRTC, Bangalore |
| Rapporteur - 1 | : | Dr. Nagaraj Patil
Professor, VTU, Belagavi |
| Rapporteur - 2 | : | Er. (Smt) Lalitha
AEE, Geomatics, WRDO, Bengaluru |
| Convener | : | Dr. Ravikumar Hosamani
Assistant Professor, UAS Dharwad |
| Facilitator | : | Kum. Chethana
Training Assistant, WALMI, Dharwad |



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Day – 1 (24-01-2023) Panel Discussion Session 1: Climate Change (C) Title: Nature and Extent of Climate Change

Venue : Nela / Land | Time : 2.15 PM to 3.30 PM

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|--------------------------------|---|---|
| CChair (10Min) | : | Dr. Russ Speer
Water and Climate Expert, USA |
| Co Chair – 1 (05Min) | : | Dr. Venkappayya Desai
Director, IIT, Dharwad |
| Co Chair – 2 (05Min) | : | Er. S.F.Patil,
Chief Engineer PWD (North) Dharwad |
| Lead Speaker I (15Min) | : | Dr.S. Janakarajan
President, SaciWATERs Hyderabad |
| Lead Speaker II (15Min) | : | Dr. Gwyn Rees
Science Area Head, Water Resources, UK |
| Panelist I – (10Min) | : | Dr. R.Vasudev ,
Dean, Forestry, Sirasi |
| Panelist II – (10Min) | : | Dr. D. K. Prabhuraj
Director, KSRSAC, Bengaluru |
| Rapporteur – 1 | : | Sri Sourav Bhattacharya
Young professional NERIWALMI, Assam |
| Rapporteur – 2 | : | Dr. K. G. Sumesh
Assistant Professor, UAS Dharwad |
| Convener | : | Dr. Basavaraj Bagewadi
Assistant Professor, UAS Dharwad |
| Facilitator | : | Sri. Deviprasad
Training Assistant, WALMI, Dharwad |





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Day – I (24-01-2023) Panel Discussion
Session 2: Water Management (D)
Title: Demand -side Challenges

Venue : Jal / Water | Time : 3.30 PM to 4.45 PM

- Chair (10Min)** : **Shri. Anuj Kanwal**, Commissioner,
(CAD), Ministry of Jal Shakti GOI, New Delhi
- Co Chair – 1 (05Min)** : **Er. B. S. Shivakumar**
Managing Director, KBJNL Bengaluru
- Co Chair – 2 (05Min)** : **Dr. M. Selva Balan**
Joint Director, CWPRS, Pune
- Lead Speaker I (15Min)** : **Mr. Webster Gumindoga**
Departmental Post-graduate Coordinator,
University of Zimbabwe, Zimbabwe
- Lead Speaker II (15Min)** : **Dr. (Ms) Ulrike Gayh**
Professor, SRH University, Heidelberg, Germany
- Panelist I – 1 (10Min)** : **Mr. Shay Nevo**, Project Manager,
Global Projects Unit, NETAFIM Ltd, Israel
- Panelist II – 2 (10Min)** : **Dr. Shankar Shreshta**
Executive Director, NDRI, Nepal
- Panelist III –3 (10Min)** : **Dr. P. Soman**
Global head (Agronomy) Jain Irrigation system ltd
Jalgaon, Maharashtra
- Rapporteur – 1** : **Dr. G.N. Kulkarni**
Professor, UAS, Dharwad
- Convener** : **Dr. Anilkumar G. K.**
Assistant Professor, UAS Dharwad
- Facilitator** : **Ms. Nagaratna Hosamani**
Consultant, WALMI, Dharwad



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International Conference on Water Management & Climate Change (ICWMCC) 2023

Day – I (24-01-2023) Panel Discussion
**Session 2: Climate Change (E) Title: Impact on Water
Resources and Agriculture**

Venue : Nela / Land | Time : 3.30 PM to 4.45 PM

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|--------------------------------|---|
| Chair (10Min) | : Sri. Shivayogi Kalasad, IAS
Secretary, Department of Agriculture, GoK Bengaluru |
| Co Chair –1 (05Min) | : Prof. U. C. Chaube
Professor, IIT, New Delhi |
| Co Chair –2 (05Min) | : Dr. Sangamesh Angadi
Professor, New Mexico State University, USA |
| Lead Speaker I (15Min) | : Mr. Daniel Hofnung
Climate Expert, France |
| Lead Speaker II (15Min) | : Dr. Gizaw Desta
Research Management Coordinator, ICRISAT, Ethiopia |
| Panelist I – (10Min) | : Er. Prabhat Chauhan,
Deputy Director, CWC, New Delhi |
| Panelist II –(10Min) | : Dr. Sanjay Singh
Water Expert, Jal Biradari, Jhansi, UP |
| Panelist III –(10Min) | : Dr. Rajashekar Laddimath
Associate Professor, KLE Tech, Hubli |
| Rapporteur – 1 | : Er. Raghavendra Jalagar
Assistant Executive Engineer, KNNL, Navalgund |
| Rapporteur – 2 | : Er. Teju Kumar
Assistant Engineer, ACIWRM Bengaluru |
| Convener | : Dr. S. B. Patil
Assistant Professor, UAS Dharwad |
| Facilitator | : Sri. Fakkiresh Angadi
Assistant, WALMI, Dharwad |



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Day – I (24-01-2023) Panel Discussion
Session 3: Water Management (F) Title: Scarcity and Conflicts

Venue : Jal / Water | Time : 5.00 PM to 6.15 PM

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|-------------------------------|---|
| Chair (10Min) | : Dr. M. L. Kansal
Professor, IIT Roorkee |
| Co Chair – 1(05Min) | : Mrs. Rutendo
Water Expert South Africa |
| Co Chair – 2 (05Min) | : Er. Lakshmana Rao Peshve, KES
Managing Director, VJNL Bengaluru |
| Lead Speaker I(15Min) | : Dr. Carl Daamen , Assistant Director,
Murray-Darling Basin Authority, Australia |
| Lead Speaker II(15Min) | : Dr. Amaresh Chandra ,
Director, IGFRI, Jhansi |
| Panelist I – (10Min) | : Er. Avinash Chand Tyagi
Water and Climate Expert, Gurgram |
| Panelist II –(10Min) | : Dr. Nagaratna B Biradar
Principal Scientist & Head, IGFRI Dharwad |
| Panelist III –(10Min) | : Dr. Anand Shivapur
Professor, VTU Belagavi |
| Rapporteur – 1 | : Dr. (Ms)Yashaswini Sharma
Assistant Professor, UAS Dharwad |
| Rapporteur – 2 | : Dr. M. N. Thimmegowda
Professor, UAS, Bengaluru |
| Convener | : Er. B. Girish
Executive Engineer, PMGSY Hassan |
| Facilitator | : Ms. Nagarathana
Consultant, WALMI, Dharwad |





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Day – I (24-01-2023) Panel Discussion
Session 3: Climate Change (G) Title: Climate Change
With Respect to Water Management

Venue : Nela / Land | Time : 5.00 PM to 6.15 PM

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|--------------------------------|--|
| Chair (10Min) | : Dr. Vishnukant Chatapalli
Vice Chancellor, KSRDPRU, Gadag |
| Co Chair – 1 (05Min) | : Dr. Ujjwal Kumar Chavn,
Joint Commissioner, Income tax Dept. Mumbai |
| Co Chair – 2 (05Min) | : Er. R. Cheluvaraju
Chief Engineer (Rtd), WRD, Karnataka |
| Lead Speaker II (15Min) | : Sri. Sharath G. Joshi
Principal, KLE-2, Hubli |
| Panelist I – (10Min) | : Dr. Parveen Kumar Gupta
Director, ICAR-CCARI, Goa |
| Panelist II – (10Min) | : Dr. Akshay Kumar Das
Secretary (Rtd), WRD, Bhubaneswar, Odisha |
| Panelist III –(10Min) | : Dr. Sai Kumar B. C., Assistant Vice President,
Sambodhi Research and Communication Pvt. Ltd, Noida, UP |
| Rapporteur – 1 | : Dr. (Mrs)Vinutha Muktamath
Assistant Professor,UAS, Dharwad |
| Rapporteur – 2 | : Sri. Raghavendra Chourad
Assistant Professor, UAS,Raichur |
| Convener | : Dr. Nagaraj Patil
Professor, VTU, Belagavi |
| Facilitator | : Sri. Deviprasad
Training Assistant, WALMI, Dharwad |





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International Conference on Water Management & Climate Change (ICWMCC) 2023

DAY-II (25-01-2023) PLENARY SESSION – II (H)

Venue : Nisarga / Nature | Time : 9.30 AM to 11.00 AM

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|-----------------------------------|--|
| Chair (10Min) | : Dr. P. L. Patil
Vice Chancellor, UAS, Dharwad |
| Co Chair – 1 | : Dr. Sreenath Dixit
Principal Scientist and Cluster Leader, ICRISAT,Hyderabad |
| Co Chair – 2 | : Dr. Sanjay Meena
Deputy Director, INCID, GOI, New Delhi |
| Keynote Address -1 (20Min) | : Dr. Jagmohan Sharma
Director General, EMPRI, GoK,Bengaluru |
| Keynote Address -2 (20Min) | : Dr. Vinay Nangia
Research Team Leader, ICARDA, Morocco |
| Keynote Address -3 (20Min) | : Dr. Aravind Galagali
Former Advisor, WRD, GoK, Bengaluru |
| Keynote Address -4 (20Min) | : Dr. Chandrashekhara Biradar Country Director,
India & Chief of Party – TOFI, New Delhi |
| Rapporteur – 1 | : Dr. B. O. Patil
Research Associate, UAS, Dharwad |
| Rapporteur – 2 | : Er. Manohar Rotte
Under Secretary, WRD Bengaluru |
| Convener | : Dr. Avinash Garudkar
Professor WALMI, Aurangabad |
| Facilitator | : Mr. Abhishek
Assistant, WALMI, Dharwad |





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International Conference on Water Management & Climate Change (ICWMCC) 2023

Day-II (25-01-2023) Panel Discussion Session 4: Water Management (I) Title: Mitigation Through Sustainable Agriculture Practices

Venue : Jal / Water | Time : 11.00AM to 12.15PM

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|--------------------------------|---|
| Chair (10Min) | : Dr. Muni Mehta
Chairman, GLS, Vadodara, Gujarat |
| Co Chair –1 (05Min) | : Dr. (Ms) Domitille Vallee
Agriculture Specialist, FAO, Cairo, Egypt |
| Co Chair –2 (05Min) | : Dr. B.D Biradar
Director of Research, UAS, Dharwad |
| Lead Speaker I (15Min) | : Dr. Atef Swelam
Water Management Specialist and Scientist, ICARDA, Egypt |
| Lead Speaker II (15Min) | : Dr. Jagadeesh Rane
Director National Institute of Abiotic Stress, Baramati, Maharashtra |
| Panelist I – (10Min) | : Dr. Charles Ndlovu
Professor, AGU Malawi |
| Panelist II –(10Min) | : Dr. M. S. Shirahatti,
Chief Scientist, UAS, Dharwad |
| Panelist III –(10Min) | : Dr.H.B.Babalad
Dean (Agri) UAS, Dharwad |
| Rapporteur – 1 | : Er. Tejukumar
AE, ACIWRM, Bengaluru |
| Rapporteur – 2 | : Dr. Shashi Kumar
Assistant Professor, UHS, Bagalkot |
| Convener | : Dr. R. H. Patil
Head Agricultural Meteorology, UAS, Dharwad |
| Facilitator | : Mr. Abhishekh
Assistant, WALMI, Dharwad |



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International Conference on Water Management & Climate Change (ICWMCC) 2023

Day-II (25-01-2023) Panel Discussion Session 4: Climate Change (J) Title: Mitigation Through Sustainable Agriculture Practices

Venue : Nela / Land | Time : 11.00 AM to 12.15 PM

Chair (10Min)	: Dr. Ashutosh Tiwari, Climate Neutral Tech Leader, Sweden
Co Chair –1(05Min)	: Er. Shankaregowda Managing Director, CNNL, Bengaluru
Co Chair –2 (05Min)	: Dr. (Mrs) Suzana Nory Education Philosopher Brazil
Lead Speaker I (15Min)	: Dr. Shrinivas Reddy. G.S Director, KSNDMC, Bengaluru
Lead Speaker II (15Min)	: Dr. A. B. Patil, Officer on Special Duty, to Hon'ble Agriculture Minister, GoK, Bengaluru
Panelist I –(10Min)	: Dr. Shrinivas Badiger Professor, ATREE, Bengaluru
Panelist II -(10Min)	: Dr. M. R. Ranganath Former Administrator, CADA, WRD
Panelist III -(10Min)	: Shri. Rudresheppa Joint Director Of Agriculture, Koppal
Rapporteur – 1	: Dr. Basavaraj Jamakhandi, Assistant Professor, UAS, Dharwad
Rapporteur – 2	: Smt. Lalita Geometric Assistant Executive Engineer Bengaluru
Convener	: Dr. K. S. Rajashekarappa Professor, UAS Bengaluru
Facilitator	: Sri. Fakkiresh Angadi Assistant, WALMI, Dharwad





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International Conference on Water Management & Climate Change (ICWMCC) 2023

Day-II (25-01-2023) Panel Discussion Session 5: Water Management (K) Title: Mitigation through Policy

Venue : Jal / Water | Time : 12.30PM to 1.45PM

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|--------------------------------|---|
| Chair (10Min) | : Dr. K. M. Indiresh
Vice Chancellor, UHS, Bagalkot |
| Co Chair – 1(05Min) | : Dr. G. S. Dasog
Dean (Rtd), UAS, Dharwad |
| Co Chair – 2 (05Min) | : Dr.(Mrs) Shobha Vijender
Water Expert, New Delhi |
| Lead Speaker I (15Min) | : Dr. Upali Amarasinghe
Senior Researcher, IWMI, Colombo, Sri Lanka |
| Lead Speaker II (15Min) | : Dr. Binay Kumar
AOL, International Ashram, Kanakapura, Bengaluru |
| Panelist I – (10Min) | : Dr. V. R. Kiresur
Director of Education, UAS, Dharwad |
| Panelist II –(10Min) | : Er. B. A. Chivate
Director, ICID, New Delhi |
| Rapporteur – 1 | : Dr. Basavaraj Yenagi
Associate Professor, UAS Dharwad |
| Rapporteur – 2 | : Ms. Prachi Sharma
ICID, New Delhi |
| Convener | : Dr. P. S. Kanannavar
Professor, UAS Dharwad |
| Facilitator | : Kum. Chetana
Training Assistant, WALMI Dharwad |





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Day-II (25-01-2023) Panel Discussion Session 5: Climate Change (L) Title: Mitigation through Policy

Venue : Nela / Land | Time : 12.30 PM to 1.45 PM

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| Chair (10Min) | : Prof. Man Singh,
Project Director, Water Technology Centre, IARI, New Delhi |
| Co Chair –1(05Min) | : Shri. Sudesh Verma
Media Expert, New Delhi |
| Lead Speaker I (15Min) | : Dr.(Mrs.) Indira Khurana,
President Indian Himalayan River Basin Council, New Delhi |
| Lead Speaker II(15Min) | : Dr. (Mrs) Jayati Chourey
Executive Director, SaciWATERs, Hyderabad |
| Panelist I –(10Min) | : Dr. Ashok Khurana
Director General (Rtd), CPWD, New Delhi |
| Panelist II –(10Min) | : Dr. B. G. Shivakumar
Principal Scientist, IGFRI, Dharwad |
| Rapporteur -1 | : Er. (Mrs.) Aruna
Assistant Executive Engineer, Bengaluru |
| Rapporteur -2 | : Dr. S. B. Patil
Assistant Professor, UAS Dharwad |
| Convener | : Dr. G. B. Ramesh
Consultant, WALMI, Dharwad |
| Facilitator | : Kum. Chetana
Training Assistant, WALMI Dharwad |





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Day-II (25-01-2023) Panel Discussion
Session Synthesis & Way Forward (M) Title: Synthesis & Way Forward

Venue : Nisarga / Nature | Time : 2.30 PM to 3.45 PM

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|--------------------------------|--|
| Chair (10Min) | : Dr. Rajendra Singh
Chairman, Tarun Bharath Sangh, Rajasthan |
| Co Chair –1(05Min) | : Er. Krishnamurthy Kulkarni
Secretary, Water Resources Department, GOK, Bengaluru |
| Co Chair –2 (05Min) | : Dr. D. P. Biradar
Former Vice Chancellor, UAS, Dharwad |
| Lead Speaker I (15Min) | : Dr. Michal Kravcik
Water Expert, Slovakia |
| Lead Speaker II (15Min) | : Mr. Maulik Sisodia
Executive Director, Tarun Bharath Sangh, Rajasthan |
| Panelist I –(10Min) | : Sri. Deepak Parvatiyar
Water Journalist, New Delhi |
| Panelist II -(10Min) | : Mr. Vinod Bhodankar
Water Worker, Pune, Maharashtra |
| Panelist III -(10Min) | : Dr. (Mrs.) Snehal Donde
Professor, Mumbai |
| Rapporteur-1 | : Dr. B. G. Shivakumar
Principal Scientist, IGFR, Dharwad |
| Rapporteur-2 | : Dr. Narendra Kulkarni
Principal Scientist, IGFR, Dharwad |
| Convener | : Er. Mahadevgouda Huttangoudar
Assistant Engineer, WALMI, Dharwad |
| Facilitator | : Shri Deviprasad
Training Assistant WALMI, Dharwad |