



**First Announcement**

**13th International Conference  
on  
Development of Drylands**

**Converting Dryland Areas from Grey into Green**

**February 11-14, 2019  
Jodhpur, India**

*Organized by*  
**The International Dryland  
Development Commission (IDDC)**

*and*

**Arid Zone Research Association of India (AZRAI)  
Jodhpur, India**

*Hosted by*  
**ICAR-Central Arid Zone Research Institute  
Jodhpur, India**

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

[www.13icdd.com](http://www.13icdd.com)

## 13th International Conference on Development of Drylands: Converting Dryland Areas from Grey into Green

The 13th International Conference on Dryland Development, with the theme “Converting Dryland Areas from Grey into Green”, is being organized by the International Dryland Development Commission (IDDC) and Arid Zone Research Association of India (AZRAI) and hosted by the ICAR-Central Arid Zone Research Institute (CAZRI), from 11-14 February 2019, at Jodhpur, India. This Conference is being organized on the occasion of Diamond Jubilee celebration of CAZRI, Jodhpur. It will be co-sponsored by Department of Agricultural Research and Education (DARE), New Delhi; Indian Council of Agricultural Research (ICAR); National Academy of Agricultural Sciences (NAAS); Trust for Advancement of Agricultural Sciences (TAAS); Bioversity International; Arid Land Research Center (ALRC), Japan; Arid Land Agricultural Graduate Studies and Research Institute (ALARI), Egypt; Chinese Academy of Sciences (CAS); Food and Agriculture Organization (FAO); International Center for Agricultural Research in the Dry Areas (ICARDA); International Maize and Wheat Improvement Center (CIMMYT); International Crops Research Institute for the Semi-Arid Tropics (ICRISAT); International Livestock Research Institute (ILRI); International Food Policy Research Institute (IFPRI); International Water Management Institute (IWMI); The United Nations Convention to Combat Desertification (UNCCD) and World Agroforestry Centre (WAC) and supported by the Indian Society of Plant Genetic Resources, the Range Management Society of India and the Indian Society of Dryland Agriculture.

Drylands cover about 41% of earth's land area and are home to ~38% of world population. Majority (>90%) of the people of this ecosystem live in developing countries. With fragile natural resource base, achieving food security in drylands has been a great challenge. With the threat of climate change looming large, and additional threat of massive out migration, the livelihoods of more than 2 billion people who live in these areas, will be further at risk. The efforts of research and development community and policy makers dealing with dry areas and aiming at sustainable management of natural resources have to be boosted in order to optimize adaptive mechanism and risk aversion elements for the dryland communities. Fast sharing of knowledge and capacity building of all the stakeholders in dryland will have to be an essential element of these efforts. Institutional reforms at the ecosystem level to bridge the divide in governance of different natural resources including water coupled with global commitment for greater coordination in legal, policy and management issues shall pave the path for sustainable livelihood security in drylands and in converting dryland areas from grey to green.



### About International Dryland Development Commission (IDDC)

The International Dryland Development Commission (IDDC), an autonomous non-governmental non-profit organization established in 1978 by the individuals and institutions interested in and concerned about the sustainable development of dry areas, is promoting all aspects of dryland studies by fostering cooperation, collaboration and networking between various international, regional and national organizations. One of the important *modus operandi* of the networking of IDDC has been to hold a major scientific conference at periodic intervals to provide opportunity to participants from around the world to exchange research results and experiences in dryland development and combating desertification. So far twelve such conferences have been organized in last 40 years, in countries which have large areas under drylands. The 13th International Conference on Dryland Development, with the theme “Converting Dryland Areas from Grey into Green”, is being therefore organized by IDDC, from 11-14 February 2019, in collaboration with CAZRI and AZRAI, at Jodhpur, India with an objective to share technical knowledge and innovations emerging from recent research and development efforts of various institutions and organizations around the world. This will help to prepare a roadmap for sustainable development of drylands areas in the face of changing climates and contribute to achieving sustainable development goals (SDGs) agreed to by the global community.

## About Central Arid Zone Research Institute (CAZRI)

The venue of the Conference is CAZRI, Jodhpur which is a premier research Institute of its own kind that was established in October 1959 by Government of India on the recommendations of a UNESCO expert, Dr. C.S. Christian of CSIRO, Australia, to promote sustainable development of the Indian Arid Zone. The Institute is an integral part of the National Agricultural Research System of India under Indian Council of Agricultural Research, Department of Agricultural Research and Education, Government of India. During sixty years of its existence, CAZRI has provided a better understanding of the arid environment and its resources, and has released several technologies that have influenced the land-use and livelihood options improving overall productivity of this fragile agro-climatic region. Located at Jodhpur, in the Thar Desert, CAZRI has been at the forefront of mobilizing scientific, technical and policy related expertise to improve the livelihood and living conditions of the desert dwellers with a focus on improved agriculture and environmental sustainability.



## About Arid Zone Research Association of India (AZRAI)

AZRAI was established in 1962, especially as conduit for scientific dialogue with arid land researchers in different parts of the world. The Association brought out its first biennial Journal, "Annals of Arid Zone" in 1963, which was later converted into a quarterly Journal. Apart from research articles, the Journal also publishes special issues on topical themes with contributions from eminent researchers worldwide. AZRAI also organizes periodically National and International Conferences to provide a forum to dryland scientists to exchange and share their research results and experiences. The Association has so far organized 3 International and 7 National Conference. AZRAI is playing a pivotal role in bringing scientists, planners, administrators and the public on a common platform to discuss the issues of common interests.

## Themes of the Conference

1. Impact of Climate Change in Drylands
2. Managing Land Degradation and Desertification
3. Soil Health Management, Carbon Sequestration and Conservation Agriculture
4. Water Harvesting and Improving Water Productivity
5. Conservation and Use of Agrobiodiversity in Drylands, Developing Adapted Cultivars
6. Sustainable Intensification and Diversification in Drylands - Arid horticulture, Aquaculture and Protected Agriculture
7. Livestock, Rangeland and Agroforestry Management
8. Post-harvest Management and Value Chain
9. Renewable Energy, Farm Mechanization and Automation
10. Role of Policies, Institutions and Markets in improving Livelihood Security and Resilience of Dryland Communities

## Papers

Papers are invited focusing scientific and developmental aspects within the framework of the themes defined above. They should build on existing knowledge and have projections for future direction. They could be presented orally or as poster as decided by the Organizing Committee.

Persons planning to present paper at the Conference should submit a one page, single spaced abstract of up to 300 words by **30 September 2018**. Manuscript of accepted papers in detail must be submitted by 10 January 2019. Papers must be formatted as per the attached guidelines to the authors. The Conference language will be English. The Proceedings containing the papers presented at the Conference will be edited by IDDC and AZRAI and published by IDDC by the end of July 2019. One copy of the proceedings volume would be provided to registered participants.

## Registration

The registration fee for foreign participants is US\$ 500 (US\$ 350 for students) for those registering up to 30 November 2018. Fee for registration is US\$ 600 (US\$ 450 for students) from 1 December 2018 to 31 January, 2019. Fee for registration later than this date would be US\$ 700 (US\$ 550 for students). The registration fee for participants from India is INR 10,000/- (INR 5000/- for students) for those registering up to 30 November 2018. Fee for registration is INR 12,000 (INR 6,000 for students) from 1 December 2018 to 31 January 2019. Fee for registration later than this date would be INR 15,000 (INR 7,000 for students). Fee for accompanying member is US\$ 100 (for foreign members) and INR 4000/- (for Indian members). The registration fee covers local transportation in Jodhpur between the place of stay and the Conference hall and workshop, publications including the proceedings and Conference kit, and coffee/tea/snacks during the forenoon and afternoon breaks, and lunch for 4 days (11-14 February 2019). A spouse program for local sightseeing will be arranged.

**Plenary lectures and special sponsored mini symposium:** The Conference plans to organize a series of plenary lectures by eminent speakers daily. Theme wise oral and poster presentations in different sessions will be organized concurrently. On request, there can be a half day mini symposium sponsored by collaborating scientific organizations. In addition, AZRAI will be organizing a half day mini symposium on 'Enhancing Resilience of Arid Lands'.

## Conference Deadlines

Receipt of abstracts	:	30 September 2018
Acceptance of papers/posters for presentation	:	25 October 2018
Early registration deadline	:	30 November 2018
Full manuscripts to be submitted to the organizers	:	10 January 2019

Persons interested in attending the Conference should complete the attached form and return it to the address indicated or submit online at Conference website ([www.13icdd.com](http://www.13icdd.com)). This will ensure that additional information and registration material is timely provided to the prospective participants, and will assist in planning.

**Post Conference Tour:** There will be an optional two-day post-Conference tour for the delegates on payment basis to Jaisalmer on 15-16 February 2019. Jaisalmer is commonly referred as Golden City in the heart of the Thar Desert, India and is known for its famous inhabited fort of yellow limestone, built in 1156 A.D.



## About Jodhpur

Jodhpur, once the capital of the former princely state of Marwar, now is the second largest city of Rajasthan state and a popular tourist destination, featuring many palaces, forts and temples, set in the stark landscape of the Thar Desert. Jodhpur is geographically located at 26.2389°N, 73.0243°E. The city has a typical desert climate, dry and hot with a brief rainy season from late June to September. Although the average rainfall is around 400 mm, it fluctuates greatly. During February, you will experience pleasant weather with an average temperature of around 21°C or 69°F (ranging from 12°C to 29°C). Jodhpur is known as the "Sun City" for the bright and sunny weather that it enjoys all the year round. Jodhpur lies near the geographic centre of the Rajasthan state, which makes it a convenient base for travel in a region much frequented by tourists.



## International Advisory Committee

<b>Chairman</b>	<b>Prof. Dr. Adel El-Beltagy</b> , Chair, International Dryland Development Commission; Emeritus Professor, Arid Land Agricultural Graduate Studies and Research Institute (ALARI), Ain Shams University Cairo, Egypt
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	<b>Dr. David Bergvinson</b> , Director General, ICRISAT Patancheru, India
	<b>Prof. Ayman Abou-Hadid</b> , Emeritus Professor, Arid Land Agricultural Graduate Studies and Research Institute (ALARI), Ain Shams University; Former Minister of Agriculture and Land Reclamation, Egypt
	<b>Prof. Atsushi Tsunekawa</b> , Professor, Arid Land Research Center (ALRC), Tottori, Japan
	<b>Prof. Tao Wang</b> , President, Lanzhou Branch of Chinese Academy of Sciences, Lanzhou, China
	<b>Ms. Maria Beatrix Giraudo</b> , Former President AAPRESID, Senior Advisor to Government of Argentina
	<b>Acad. Prof. Aleksidze Gurum</b> , President, Georgian Academy of Agricultural Sciences, Tbilisi, Georgia
<b>Convener</b>	<b>Dr. Mohan Saxena</b> , Executive Secretary, IDDC, India

## International Technical Program Committee

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	<b>Dr. Usha Zehr</b> , Director of Research, MAHYCO, Jalna, India
	<b>Dr. B. Venkateswarlu</b> , Vice Chancellor, VNMKV, Parbhani, India
	<b>Dr. K. Sammi-Reddy</b> , Director, ICAR-Central Research Institute for Dryland Agriculture, Hyderabad, India
	<b>Dr. R.V. Kumar</b> , Director, ICAR- Indian Grassland and Fodder Research Institute, Jhansi, India
	<b>Dr. Alok K. Sikka</b> , IWMI India Representative, New Delhi, India
	<b>Dr. N.K. Krishna Kumar</b> , Coordinator, Bioversity International, New Delhi, India
	<b>Dr. Habibar Rahman</b> , Regional Representative for South Asia, ILRI
	<b>Dr. A.K. Joshi</b> , CIMMYT Asia Regional Representative and CIMMYT-India Country Representative
	<b>Dr. Ashutosh Sarker</b> , Regional Coordinator & Food Legume Breeder, ICARDA, New Delhi, India
<b>Dr. A.K. Padhee</b> , Director (Country Relations and Business Affairs), ICRISAT, New Delhi, India	
<b>Dr. P.K. Joshi</b> , Director, South Asia, IFPRI, New Delhi, India	
<b>Convener</b>	<b>Dr. O.P. Yadav</b> , Director, ICAR-Central Arid Zone Research Institute, Jodhpur, India

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	<b>Prof. K.P. Singh</b> , Vice Chancellor, CCS Haryana Agricultural University, Hisar
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<b>Dr. Balraj Singh</b> , Vice Chancellor, Agricultural University, Jodhpur	
<b>Dr. P.K. Ghosh</b> , ICAR, New Delhi	
<b>Convener</b>	<b>Dr. R.S. Tripathi</b> , National Coordinator – VPM, ICAR-Central Arid Zone Research Institute, Jodhpur

## National Organizing Committee

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<b>Co-Chairman</b>	<b>Dr. N.S. Rathore</b> , DDG (Edn) ICAR, New Delhi
<b>Member</b>	<b>Dr. S. Bhaskar</b> , ADG (AAF&CC), ICAR, New Delhi
	<b>Dr. O.P. Yadav</b> , Director, ICAR-Central Arid Zone Research Institute, Jodhpur
	<b>Dr. S.K. Singh</b> , Director, ICAR-National Bureau of Soil Survey and Land use Planning, Nagpur
	<b>Dr. P.K. Mishra</b> , Director, ICAR- Indian Institute of Soil & Water Conservation, Dehradun
	<b>Dr. K. Sammi Reddy</b> , Director, ICAR-Central Research Institute for Dryland Agriculture, Hyderabad
	<b>Dr. R.V. Kumar</b> , Director, ICAR- Indian Grassland and Fodder Research Institute, Jhansi
	<b>Dr. P.L. Saroj</b> , Director, ICAR- Central Institute of Arid Horticulture, Bikaner
	<b>Dr. N.V. Patil</b> , Director, ICAR-National Research Centre on Camel, Bikaner
<b>Dr. A.K. Tomar</b> , Director, ICAR- Central Sheep and Wool Research Institute, Avikanagar, Tonk	
<b>Member Secretary</b>	<b>Dr. Anurag Saxena</b> , Secretary, Arid Zone Research Association of India, ICAR-Central Arid Zone Research Institute, Jodhpur



**The 13th International Conference on Dryland Development  
Converting Dryland Areas from Grey into Green**  
**11-14 February, 2019**  
**ICAR-Central Arid Zone Research Institute, Jodhpur, Rajasthan, India**

*Please print or type:*

**Full Name:** ..... **Title:** Dr/ Prof /Mr / Ms  
(First name) (Middle name) (Surname)

**Nationality:** .....

**Address:**.....  
.....  
.....

**Telephone (business):**.....

**Fax (business):**.....

**E-mail:**.....

**1. Will like to participate in the Conference (please select as appropriate):**

- to make an **oral** presentation under the **title:** .....
- to make a **poster** presentation under the **title:** .....
- without any presentation

**2. Will like / not like (please delete as appropriate) to participate in the post conference tour for visiting Jaisalmer, India.**

.....  
Name/Signature and Date

**Please submit this form online at [www.13icdd.com](http://www.13icdd.com) or return this letter of intent to:**

Dr. O.P. Yadav, Director  
ICAR-Central Arid Zone Research Institute, Jodhpur 342 003, India  
**Fax: 91-291-2788706, E-mail: [director.cazri@icar.gov.in](mailto:director.cazri@icar.gov.in)**

**With copy to:**

Prof. Dr. Adel El-Beltagy, Chair of IDDC  
**E-mail: [elbeltagy@drylanddevelop.org](mailto:elbeltagy@drylanddevelop.org)**

Dr. Mohan C. Saxena, Executive Secretary, IDDC  
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**The 13th International Conference on Dryland Development  
Converting Dryland Areas from Grey into Green**

**11-14 February, 2019**

**ICAR-Central Arid Zone Research Institute, Jodhpur, Rajasthan, India**

**Registration form**

Surname (family name):	First name:
<b>Passport details:</b> Name as written in the Passport.....No.: ..... Date of issue..... Place of issue..... Valid till..... Issuing authority.....	
Address:	
Postal code:	City:
Country:	
Phone:	E-mail:

Registration Fees*:	Payment		
	up to 30 Nov., 2018	from 01 Dec., 2018 to 31 Jan., 2019	After 01 Feb., 2019
International Participants	US\$ 500	US\$ 600	US\$ 700
International Students**	US\$ 350	US\$ 400	US\$ 550
International Accompanying Person	US\$ 100		
Local Participants (Indian)	INR 10,000	INR 12,000	INR 15,000
Local Students** (Indian)	INR 5000	INR 6,000	INR 7,000
Local Accompanying Member	INR 4000		

\* The registration fee covers participation in all sessions, conference materials including the proceedings, sessional tea/coffee and lunch.

\*\* Submit a copy of your current student card with your registration

*Please pay the registration fees by crossed cheque in favour of The Secretary, Arid Zone Research Association of India (AZRAI), Jodhpur, with the note: 'Registration fees for 13th ICDD' or transfer by wire RTGS/NEFT as per the details given below)*

**Bank Account Details**

Name: **AZRAI-ICDD2019**; Account No.: **37537468679**, IFSC Code: **SBIN0003258**; SWIFT Code: **SBININBB376**; Name of Bank: **State Bank of India**; Branch: **Shastri Nagar, Jodhpur, India**

**Please return this form with payment to:** The Secretary, Arid Zone Research Association of India (AZRAI), Jodhpur, 342 003 Rajasthan, India. Tel: +91-291-2786483; Fax: +91-291-2788706; Mobile: +91-9413906115; E-mail: 13icdd@gmail.com; Website: www.13icdd.com