

# Report of IFSDAA

## Activities and Achievements

International Conferences

International Webinars

Publications

2007 - 2023



International Foundation for Sustainable Development  
in Africa and Asia

in

Afrikanisch-Asiatische Studienförderung e.V. (AASF)  
African Asian Studies Promotion Association

Theodor-Heuss-Str. 11 - Mahatma Gandhi House  
D 37075 Göttingen, Germany / Website: [www.aasf.de](http://www.aasf.de)

Compiled by: Heidemarie Dössel and Machiavelli Singh

## Content

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Part 2 International Webinars 2020 - 2022	16

# International Conferences

2007 - 2023

## International Conference 2007

### Sustainable Development for Food Security, Biomass Energy and Livelihood Strategies

FROM

18. - 20. November 2007

PLACE of EVENT

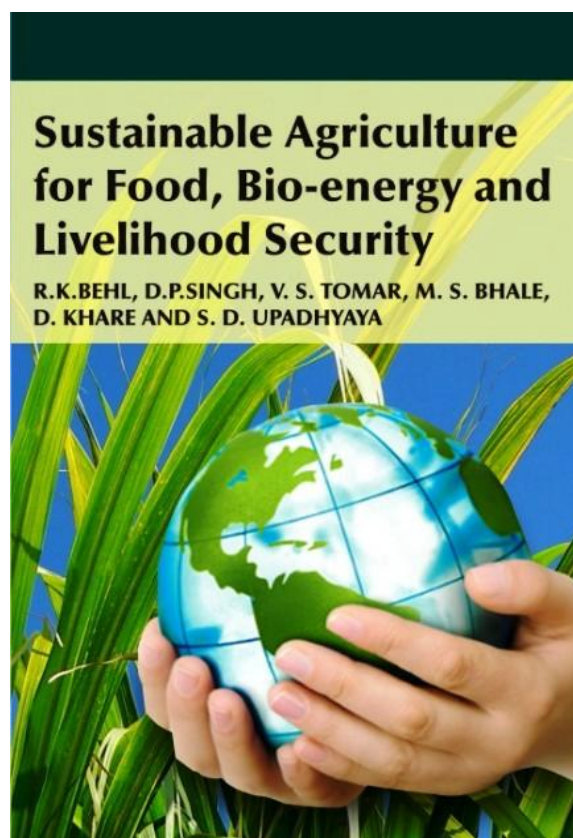
Mahatma Gandhi-House

in: African Asian Studies Promotion Association, Göttingen, Germany

ORGANIZATION

- IFSDAA, Göttingen, Germany
- Afro-Asian Studies Promotion Association, AASF, Göttingen, Germany
- Georg August-University, Göttingen, Germany

## Publication 2009



Sustainable Agriculture for Food,  
Bio-energy and livelihood Security

## International Conference 2009

### Land Resources and Land Use Options - Challenges for Food Security and Sustainable Development

#### FROM

14. - 16. July 2009

#### PLACE of EVENT

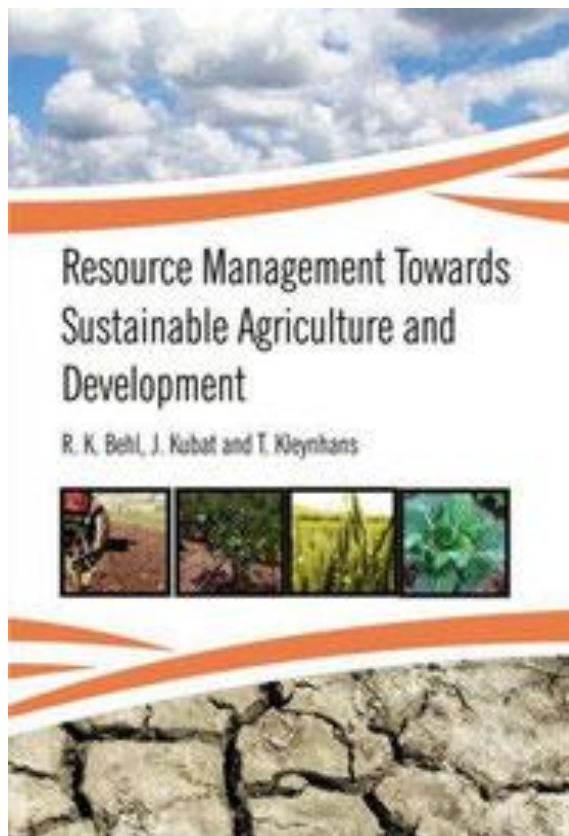
Mahatma Gandhi-House

in: African Asian Studies Promotion Association, Göttingen, Germany

#### ORGANIZATION

- IFSDAA, Göttingen, Germany
- Afro-Asian Studies Promotion Association (AASF), Göttingen / Germany

## Publication 2010



### Resource Management Towards Sustainable Agriculture and Development

## International Conference 2010

### Crop Science for Food Security, Bio-Energy and Sustainability

FROM

01. - 03. June 2010

PLACE of EVENT

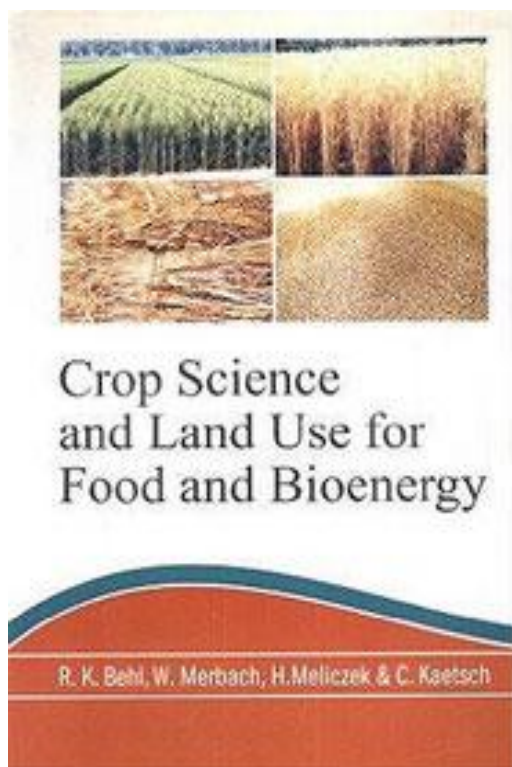
Hungary

ORGANIZATION

- IFSDAA, Göttingen, Germany
- Cereal Research Non-Profit Ltd., Szeged, Hungary
- Society for Sustainable Agriculture and Resource Management, Hisar, India

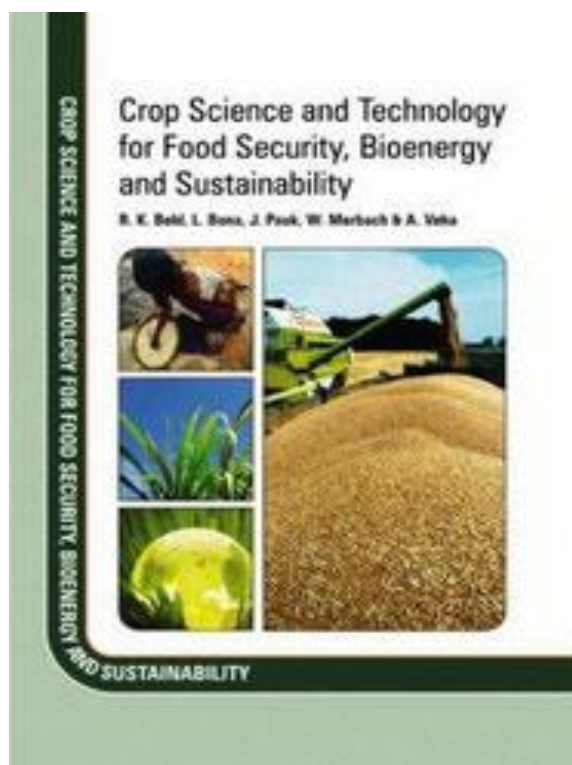
## Publication 2010

### Crop Science and Land Use for Food and Bioenergy



## Publication 2014

### Crop Science and Technology for Food Security, Bioenergy and Sustainability (2014)



## International Conference 2012

### Biotechnology and Plant Breeding Perspectives

#### FROM

10. - 12. September 2012

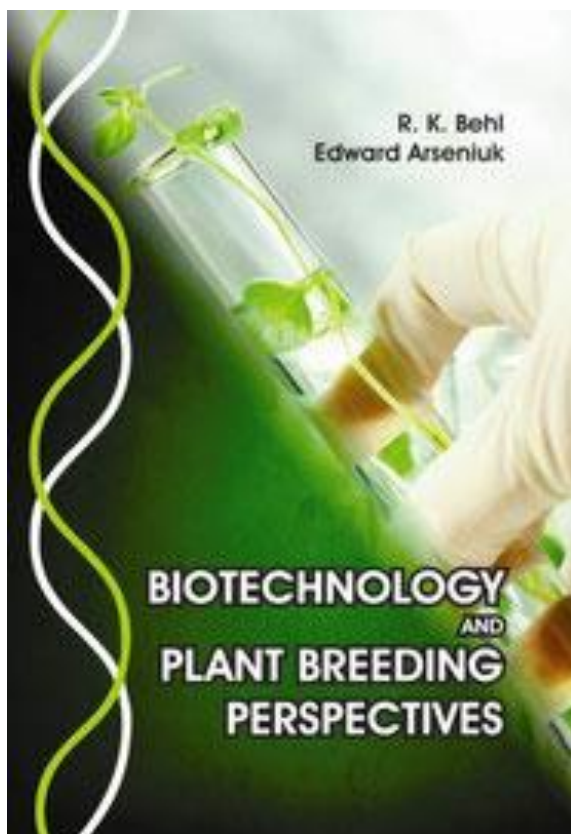
#### PLACE of EVENT

Plant Breeding and Acclimatization Institute, Radzikow, 05-870 Blonie, Polen

#### ORGANIZATION

- Society for Sustainable Agriculture and Resource Management, Hisar, India
- Cereal Research Non Profit Ltd., Szeged, Hungary

## Publication 2014

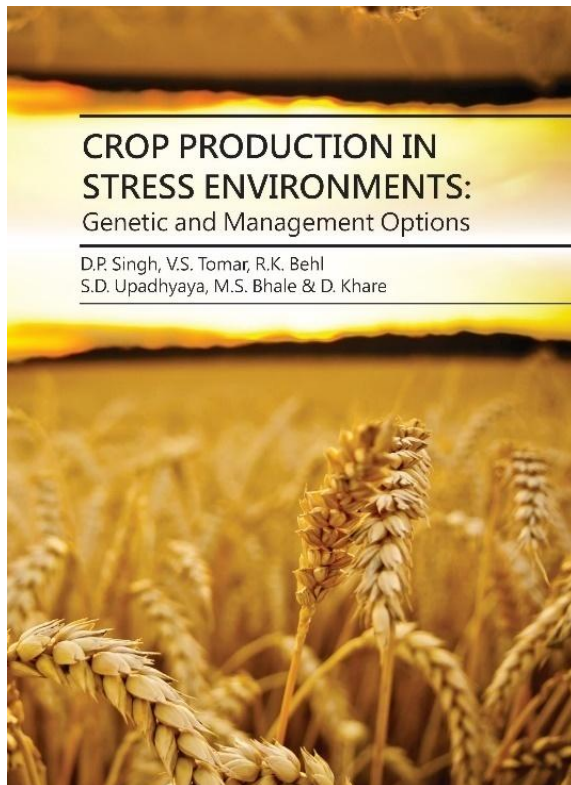


### Biotechnology and Plant Breeding Perspectives



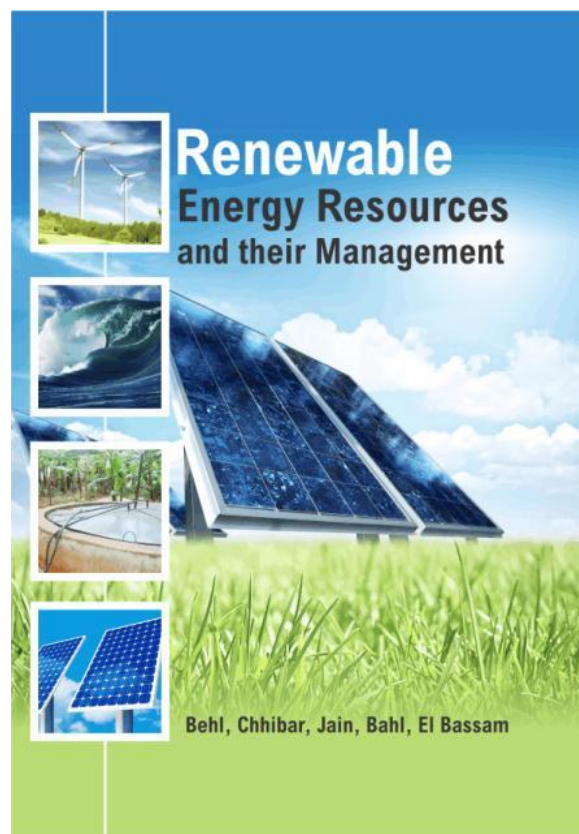
## Publication 2013

### Crop Production in Stress Environments - Genetic and Management Options



## Publication 2013

### Renewable Energy Resources and their Management





## International Conference 2013

Cutting Edge Science & Technologies towards Food, Environment and Health - Focus: Civil Society

FROM

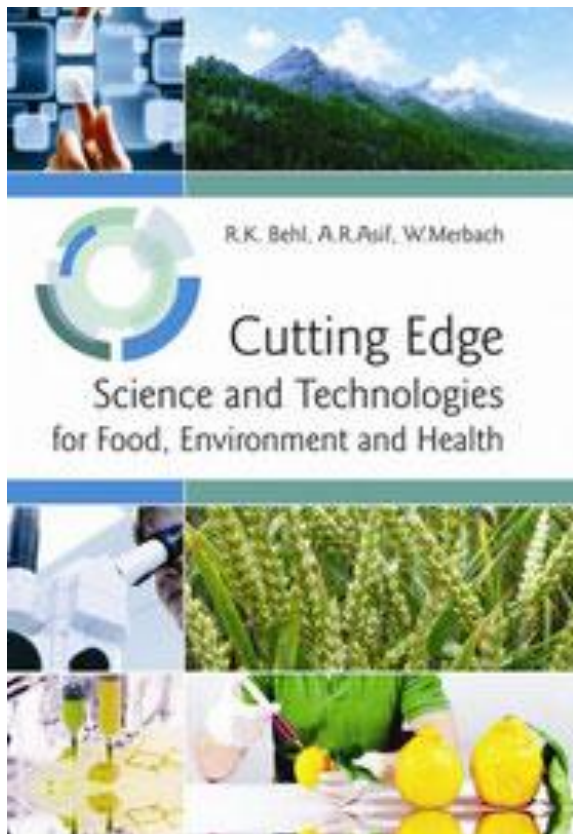
02. - 04. September 2013

PLACE of EVENT

Mahatma Gandhi-House

in: African Asian Studies Promotion Association, Göttingen, Germany

## Publication 2014



Cutting Edge Science and Technologies towards Food, Environment and Health

## International Conference 2014

### Computer Applications in Manufacturing and Food Technologies and Bio-Nano Engineering

FROM

02. - 04. February 2013 / 21. - 22. February 2014

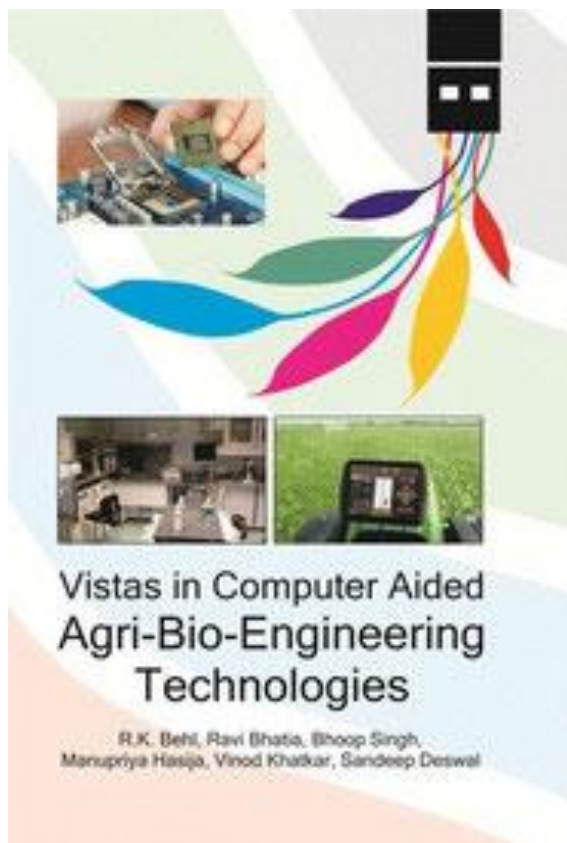
PLACE of EVENT

Mahatma Gandhi-House

in: African Asian Studies Promotion Association, Göttingen, Germany

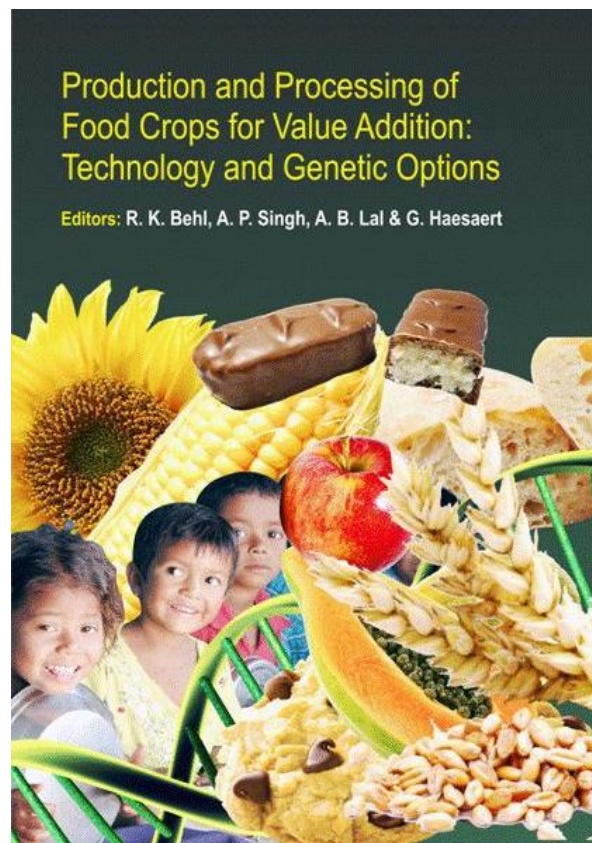
## Publication

### Vistas in Computer Aided Agri-Bio-Engineering Technologies



## Publication 2015

### Production and Processing of Food Crops for Value Addition: Technology and Genetic Options



## International Conference 2016

### Sustainable Resource Management towards Food, Energy, Environment and Livelihood

FROM

27. - 29. November 2016

PLACE of EVENT

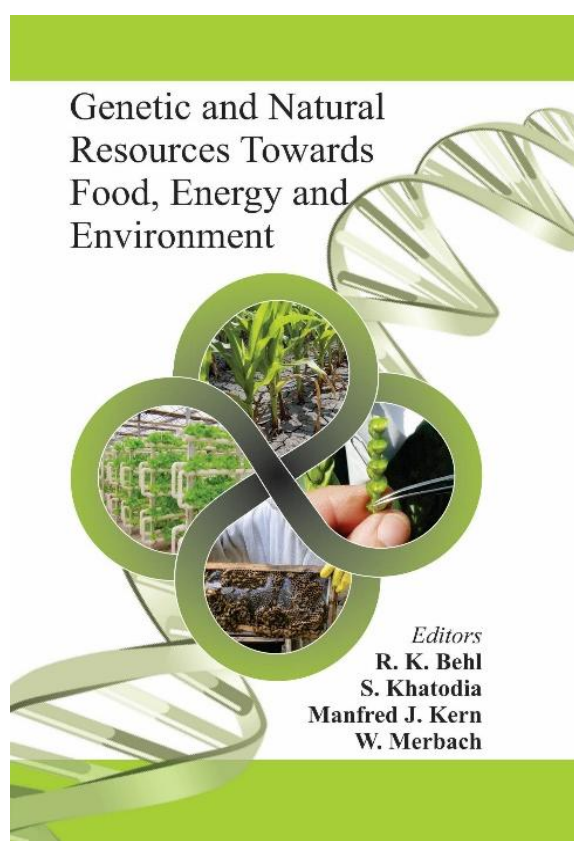
Mahatma Gandhi-House

in: African Asian Studies Promotion Association, Göttingen, Germany

ORGANIZATION

- International Foundation for Sustainable Development in Africa and Asia (IFSDAA)
- Afro-Asian Studies Promotion Association, D-Göttingen (AASF)
- International Council for Sustainable Agriculture (ICSA)

## Publication 2018



Genetic and Natural Resources  
Towards Food, Energy and  
Environment

## International Conference 2017

### Sustainable Intensification of Agriculture through Resource Management and Conservation

FROM

July, 7 - 9, 2017

PLACE of EVENT

Mahatma Gandhi-House

in: African Asian Studies Promotion Association, Göttingen, Germany

ORGANIZATION

- IFSDAA / International Foundation for Sustainable Development in Africa and Asia, Göttingen, Germany
- Faculty of Agriculture Sciences and Landscape Architecture, University of Applied Sciences, Osnabrueck, • Germany
- AASF / African Asian Studies Promotion Association, Göttingen, Germany

## International Seminar 2018

### Triticale and wheat Biology, Breeding and Production

FROM

June, 25 - 28, 2018

PLACE of EVENT

Erzurum, Turke

## International Conference 2018

Harnessing Science and Technology Applications through Capacity Building and Economic Policies for Sustainable Development

FROM

September, 13 - 15, 2018

PLACE of EVENT

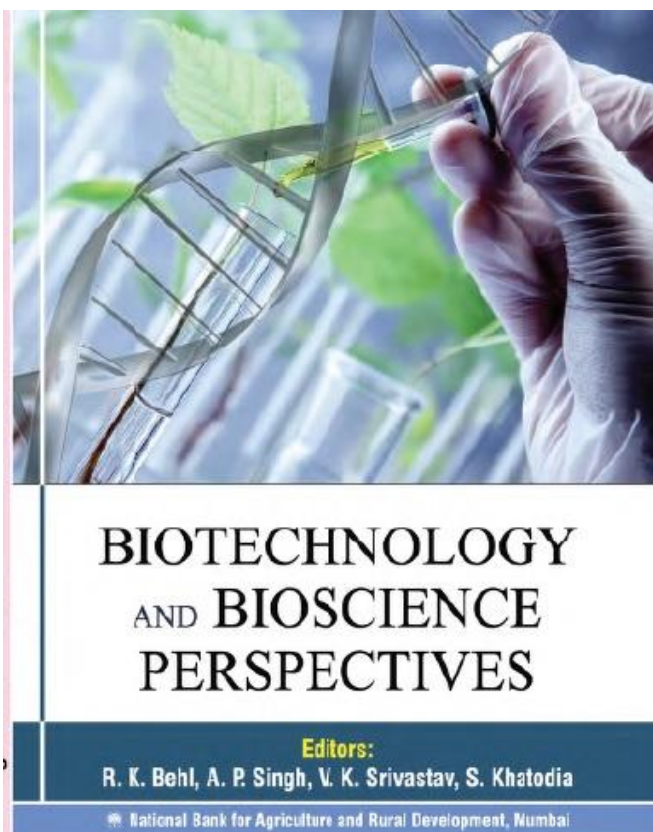
Mahatma Gandhi-House

in: African Asian Studies Promotion Association, Göttingen, Germany

ORGANIZATION

- IFSDAA / International Foundation for Sustainable Development in Africa and Asia, Göttingen, Germany
- HAWK University of Applied Sciences and Arts, Göttingen, Germany
- AASF / African Asian Studies Promotion Association, Göttingen, Germany

## Publication 2018



Biotechnology and Bioscience Perspectives



## International Conference 2019

### Harnessing Scientific, Technological Innovations and Entrepreneurship for Sustainable Development in Africa and Asia

FROM

September, 02 - 04, 2019

PLACE of EVENT

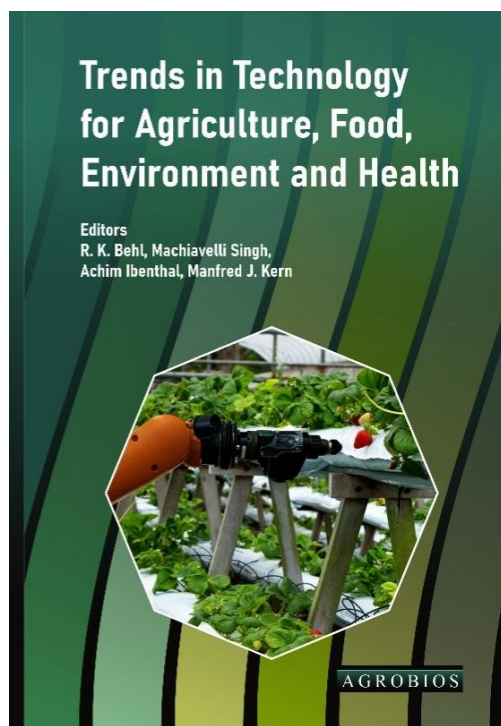
HAWK University of Applied Sciences and Arts

ORGANIZATION

- IFSDAA / International Foundation for Sustainable Development in Africa and Asia, Göttingen, Germany
- HAWK University of Applied Sciences and Arts, Göttingen, Germany
- AASF / African Asian Studies Promotion Association, Göttingen, Germany

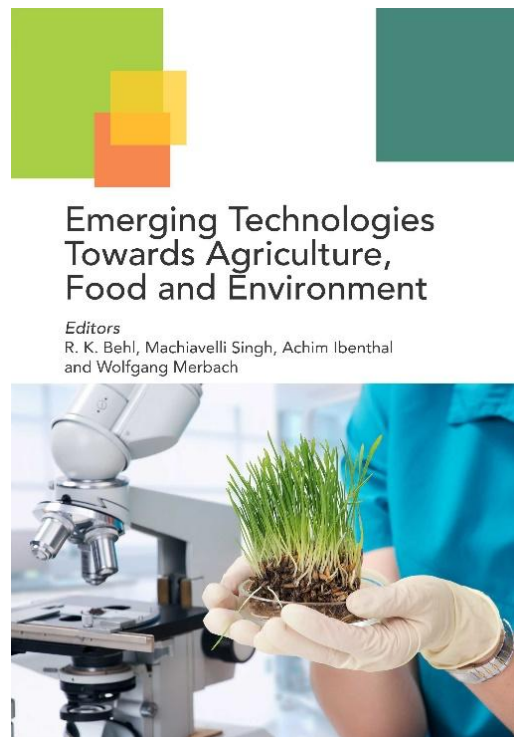
## Publication

### Trends in Technology for Agriculture, Food, Environment and Health



## Publication 2019

### Emerging Technologies towards Agriculture, Food and Environment





## International Conference 2022

### Resource Management for Food, Agriculture, Environment and Health Sustainability

FROM

September, 14 - 16, 2022

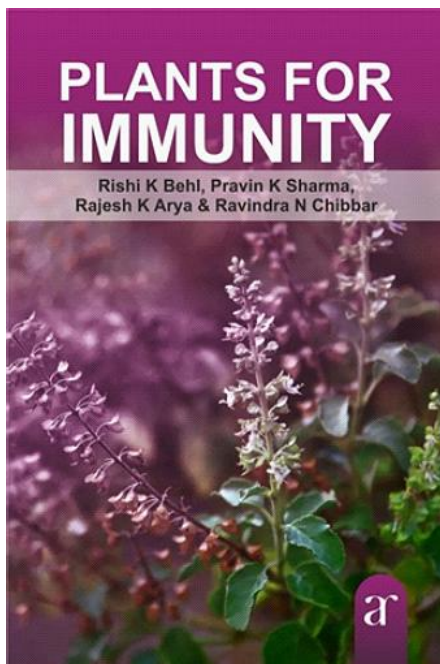
PLACE of EVENT

HAWK University of Applied Sciences and Arts

ORGANIZATION

- IFSDAA / International Foundation for Sustainable Development in Africa and Asia, Göttingen, Germany
- AASF / African Asian Studies Promotion Association, Göttingen, Germany
- HAWK University of Applied Sciences and Arts, Göttingen, Germany
- Society for Sustainable Agriculture and Resource Management (SSARM), Hisr, India

## Publication



Plants for Immunity

## International Conference 2023

### Sustainable Agriculture for Food Security under Climate Change

FROM

September, 27 - 29, 2023

PLACE of EVENT

Mahatma Gandhi-House

in: African Asian Studies Promotion Association, Göttingen, Germany

ORGANIZATION

- IFSDAA / International Foundation for Sustainable Development in Africa and Asia, Göttingen, Germany
- AASF / African Asian Studies Promotion Association, Göttingen, Germany
- HAWK University of Applied Sciences and Arts, Göttingen, Germany
- Society for Sustainable Agriculture and Resource Management (SSARM), Hissar, India
- International Office - Georg August University, Göttingen, Germany

## Publication

will follow

# International Webinars

2020 - 2022

## International Webinar 2020

Scientists discussed the about the need for Sustainable Development & Resource Management in Agricultural Sector

2nd October, 2020



[LINK](#) You Tube, [LINK](#) Business News this week, [LINK](#) Media Bulletins

## International Webinar 2020

Sustainable Water Resources, Pollution and Quality Assurance

6th November, 2020 / [LINK](#) to You Tube

## International Webinar 2020

Sustainability through Solar Energy and Entrepreneurship

4th December, 2020 / [LINK](#) to You Tube

## International Webinar 2021

Deep Learning for Detection and Management of Plant Diseases

8th March, 2020 / [LINK](#) to You Tube

## International Webinar 2021

Deep Learning for Plant Diseases

12th March, 2021 / [LINK](#) to You Tube

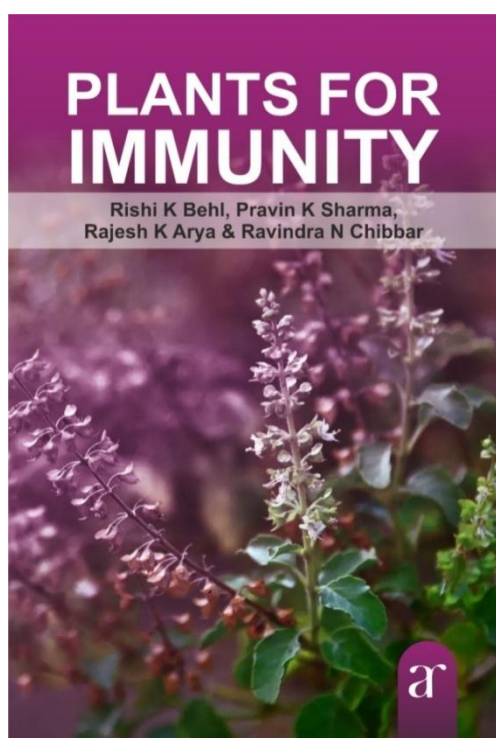
## International Webinar 2021

### Biotechnology for Crop Tolerance to Drought and Salt Stresses

27th November, 2021

<p><b>International Webinar</b> On <b>“Biotechnology for Crop Tolerance to Drought and Salt Stresses”</b> On <b>27th November 2021</b> Time: 06:00 PM (Indian Standard Time) onwards</p> <p><b>Organized &amp; hosted by:</b></p>  <p>Deptt. of Agriculture, MMDU Mullana</p> <p><b>Link to join online on MS-Teams:</b> <a href="https://teams.microsoft.com/l/meetup-join/19%3ameeting_YjlyMWNjZmEzZDQ2Ny00ODZiLTlThMDUtN2ZlN2Q0M2Y3MDFlh%40thread.v2%20?context=%7b%22Tid%22%3a%221388c7ed-d404-4ab6-8d97-d2d6e8b01120%22%2c%22Oid%22%3a%221dae8c11-0a5a-45eb-839b-20cbd3486c5%22%7d">https://teams.microsoft.com/l/meetup-join/19%3ameeting_YjlyMWNjZmEzZDQ2Ny00ODZiLTlThMDUtN2ZlN2Q0M2Y3MDFlh%40thread.v2%20?context=%7b%22Tid%22%3a%221388c7ed-d404-4ab6-8d97-d2d6e8b01120%22%2c%22Oid%22%3a%221dae8c11-0a5a-45eb-839b-20cbd3486c5%22%7d</a></p> <p><b>IN collaboration with</b> International Foundation for Sustainable Development in Africa and Asia (IFSDAA) - African Asian Studies Promotion Association (AASF) - Germany, and Society for Sustainable Agriculture and Resource Management (SSARM) - India.</p>	<p>Climate change effects on crop yields are witnessed globally. Abiotic stresses caused by drought and salinity are most apparent at specific locations worldwide. Abiotic stresses, depending on location and local climatic conditions can cause 15 to 20% or even higher reduction in crop yield due to reduction in one or the other yield building traits like post maturity, hampered photosynthesis, lower germination, poor plant growth and development etc. Conventional plant breeding has paid dividends in breeding tolerant varieties to specific abiotic stresses. However, under global climate change conditions, one or more abiotic stresses occur simultaneously and their adverse effects are mutually exclusive. Under such situations prudent biotechnologies are needed to infuse resilience in genotypes to adapt better to abiotic stresses with a higher yield. Various biotechnological tools have been developed such as tissue culture, genomics and transgenics. Use of these technologies is warranted and the choice of appropriate technologies will depend on pattern of genetic variability, gene flow from one species to another, crossing barriers and source of genes for crop tolerance to abiotic stresses.</p> <p>Keeping the above facts in view, an International Webinar is being organized to highlight the role of biotechnologies in developing crop genotypes tolerant to drought and salinity stresses by luminaries in biotechnological sciences.</p> <p><b>Opening Remarks</b></p> <table border="0"> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td><b>Prof. Harish Sharma</b> VC, MMDU</td> <td><b>Dr. K. W. Giorgis</b> IFSDAA – AASF</td> <td><b>Prof. D. P. Singh</b> President, SSARM</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td><b>Prof. V.S. Pahil</b> Director, Agri. MMDU</td> <td><b>Prof. R. K. Behl</b> Webinar, Chair</td> <td><b>Dr. Pooja Malik</b> Convener</td> </tr> </table>				<b>Prof. Harish Sharma</b> VC, MMDU	<b>Dr. K. W. Giorgis</b> IFSDAA – AASF	<b>Prof. D. P. Singh</b> President, SSARM				<b>Prof. V.S. Pahil</b> Director, Agri. MMDU	<b>Prof. R. K. Behl</b> Webinar, Chair	<b>Dr. Pooja Malik</b> Convener	<p><b>Distinguished Speakers</b></p> <table border="0"> <tr> <td></td> <td></td> </tr> <tr> <td><b>Prof. O.P. Dhankhar</b> University of Massachusetts</td> <td><b>Prof. Narendra Tuteja</b> ICGEB, New Delhi, India</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td><b>Prof. Neeraj Kulshreshtha</b> ICAR-CSSRI Karnal, India</td> <td><b>Prof. Pushpa Kharb</b> C.C.S.H.A.U., Hisar, India (Discussant)</td> </tr> </table> <p><b>Patron</b> <b>Prof. Harish Sharma, VC, MMDU</b></p> <p><b>Advisor</b> <b>Prof V.S. Pahil, Director</b> Department of Agriculture, MMDU</p> <p><b>Webinar Chair</b> <b>Prof. R. K. Behl</b></p> <p><b>Organizing Committee</b></p> <ol style="list-style-type: none"> <li>1. Prof. Pushpa Kharb, CCSHAU, India</li> <li>2. Prof. Anil Sharma, MMDU</li> <li>3. Sandeep Kumar, GJU&amp;ST</li> <li>4. Prof. Vikas Hooda, MDU, Rohtak</li> <li>5. Prof. S. K. Gahlawat, CDLU, Sirsa</li> <li>6. Dr. Machiavelly Singh, Amity University</li> <li>7. Dr. Pravin Chhuneja, PAU</li> <li>8. Dr. Vinod Saharan, MPATU, Udaipur</li> <li>9. Prof. J. K. Sharma, KUK</li> <li>10. Dr. Pravin Sharma, MMDU</li> <li>11. Dr. Ridhima Arya, MMDU</li> <li>12. Dr. P.K. Uppadhyay, RBS College, Agra</li> <li>13. Dr. N. S. Rath, JNU</li> <li>14. Er. Inam Sapkota, UNDP Fellow, Nepal</li> </ol> <p><b>For further detail Contact:</b> Dr. Pooja Malik, Convener +91-8684041373 Dr. Jagdeep, Co-convener</p>			<b>Prof. O.P. Dhankhar</b> University of Massachusetts	<b>Prof. Narendra Tuteja</b> ICGEB, New Delhi, India			<b>Prof. Neeraj Kulshreshtha</b> ICAR-CSSRI Karnal, India	<b>Prof. Pushpa Kharb</b> C.C.S.H.A.U., Hisar, India (Discussant)
																						
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## Publication 2022



### Plants for Immunity



## International Webinar 2022

### Biotechnology for Crop Tolerance to low and high temperature Stresses

15th January, 2022

<p><b>International Webinar</b> On <b>"Biotechnology for Crop Tolerance to Low and high temperature Stresses"</b> On <b>15th January 2022</b> <b>Time: 09:30 Am (Indian Standard Time) onwards</b></p> <p><b>Organized &amp; hosted by:</b></p>  <p><b>Department of Agriculture, MM(DU)</b> <b>Mullana-Ambala (India)</b> <b>Link to join online on MS-Teams:</b> <a href="https://teams.microsoft.com/l/meetup-join/19%3ameeting_Y2VhZjBmYmQyMDZkNv00ZmYwLk4MjktNjk4MjQyZmQyYQW2%40hrcad.v2.0?context=%7b%22Id%22%3a%221388c7ed-d404-4ab6-8d97-d2d6e8b01120%22%2c%22Oid%22%3a%221da8c11-0a5a-45eb-839b-20cbd3486c5%22%7d">https://teams.microsoft.com/l/meetup-join/19%3ameeting_Y2VhZjBmYmQyMDZkNv00ZmYwLk4MjktNjk4MjQyZmQyYQW2%40hrcad.v2.0?context=%7b%22Id%22%3a%221388c7ed-d404-4ab6-8d97-d2d6e8b01120%22%2c%22Oid%22%3a%221da8c11-0a5a-45eb-839b-20cbd3486c5%22%7d</a> <b>Registration Link:</b> <a href="https://forms.gle/NgpyS6acA4ZP1j4k8">https://forms.gle/NgpyS6acA4ZP1j4k8</a></p> <p><b>IN collaboration with</b> International Foundation for Sustainable Development in Africa and Asia (IFSDAA) -Germany and Society for Sustainable Agriculture and Resource Management (SSARM) – India.</p> <p>Global warming has affected crop production scenario in terms of yields and geographical area for successful crop production. It has led to shifts in crop communities. Ambient Temperature prevailing at any location is key determinant factor for survival, adaptation and performance of various crops. Environmental stresses</p>	<p>caused by low and high temperature are most apparent at specific locations worldwide. Abiotic stresses, depending on location and local climatic conditions can cause 15 to 20% or even higher reduction in crop yield due to reduction in one or the other yield building traits like post maturity, hampered photosynthesis, lower germination, poor plant growth and development etc. traditional crop improvement methods based on recombination breeding have paid dividends in breeding tolerant varieties to low and high temperature stresses. However, under global climate change conditions, heat, high temperature stress may confound with drought stress and cold stress may confound with chilling / freezing stress and these effects may be mutually exclusive. Under such situations modern biotechnological tools are needed to infuse resilience in genotypes to adapt better to temperature stresses with a higher yield. Various biotechnological tools have been developed such as tissue culture, genomics and transgenics. Use of these technologies is warranted and the choice of appropriate technological tools will depend on pattern of genetic variability, identification and characterization of genes, gene flow from one species to another, crossing barriers and source of genes for crop tolerance to temperature stresses. Keeping the above facts in view, an International Webinar is being organized to highlight the role of biotechnologies in developing crop genotypes tolerant to low and high stresses by luminaries in biotechnological sciences.</p> <p><b>Opening Remarks</b></p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p><b>Dr. K. W. Georgis</b> IFSDAA – AASF</p> </div> <div style="text-align: center;">  <p><b>Prof. D. P. Singh</b> President, SSARM</p> </div> </div> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p><b>Prof. V.S. Pahl</b> Director, Agri. MM(DU)</p> </div> <div style="text-align: center;">  <p><b>Prof. R. K. Behl</b> Webinar, Chair</p> </div> <div style="text-align: center;">  <p><b>Dr. Jagdeep Singh</b> Convener</p> </div> </div>	<p><b>Distinguished Speakers</b></p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p><b>Prof. Kulvinder S. Gill</b> Washington State University (USA)</p> </div> <div style="text-align: center;">  <p><b>Prof. R. N. Chhibbar</b> University of Saskatchewan Canada</p> </div> </div> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p><b>Prof. Renu Munjal</b> C.C.S.H.A.U, Hisar, India</p> </div> <div style="text-align: center;">  <p><b>Prof. Pushpa Kharb</b> C.C.S.H.A.U, Hisar, India (Discussant)</p> </div> </div> <p><b>Advisor</b> Prof V.S. Pahl, Director Department of Agriculture, MM(DU)</p> <p><b>Webinar Chair</b> Prof. R. K. Behl</p> <p><b>Organizing Committee</b></p> <ol style="list-style-type: none"> <li>1. Prof H.K. Choudhary, VC, HKPWW</li> <li>2. Prof. Pushpa Kharb, CCSHAU, Hisar</li> <li>3. Prof. Neeraj Dulbagi, GJU&amp;ST</li> <li>4. Prof. Vikas Hooda, MDU, Rohtak</li> <li>5. Prof. Rajkumar Salar, CDLU, Sirsa</li> <li>6. Dr. Machiavelly Singh, Amity University</li> <li>7. Dr. Pravin Chhuneja, PAU</li> <li>8. Dr. Vinod Saharan, MPATU, Udaipur</li> <li>9. Prof. Narendra Shoran, KUK</li> <li>10. Prof. K.D. Sharma, CCSHAU</li> <li>11. Prof. S.S. Dhandu, CCSHAU, Hisar</li> <li>12. Prof. Navneet Joshi, Laxmangarh</li> <li>13. Prof. Dhiren Khare, Jabalpur</li> <li>14. Prof. Anubha Kaushik, I.P. Univ. Delhi</li> <li>15. Prof. I. J. Gulati, DBS, Dehradun</li> <li>16. Dr. Umesh Goutam, LPU</li> </ol> <p>For further detail Contact: Dr. Jagdeep Convener +91-7015031204 Dr. Pooja Malik Co-convener +91-8684041373</p>
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# International Webinar 2022

## Women and Neonatal Health

8th March, 2022

<p><b>International Webinar</b> on <b>Women and Neonatal Health</b> on <b>8<sup>th</sup> March 2022</b> <b>Time: 10:00 AM (Indian Standard Time)</b> <b>Organized &amp; hosted by:</b></p>  <p><b>Department of Agriculture, MM(DU)</b> <b>Mullana-Ambala (India)</b> <b>Link to join online on MS-Teams:</b> <a href="https://teams.microsoft.com/join/19%3a5fFR5ZwvVGVc_HdwMngbrl8jukRAOOQGibK048FZRddsl%40thread.tacv2/1646198784181?context=%7b%22id%22%3a%221388c7ed-d404-4ab6-8d97-d2d6e8b01120%22%2c%22oid%22%3a%221dae8c11-0a5a-45eb-839b-20cbd3486c5%22%7d">https://teams.microsoft.com/join/19%3a5fFR5ZwvVGVc_HdwMngbrl8jukRAOOQGibK048FZRddsl%40thread.tacv2/1646198784181?context=%7b%22id%22%3a%221388c7ed-d404-4ab6-8d97-d2d6e8b01120%22%2c%22oid%22%3a%221dae8c11-0a5a-45eb-839b-20cbd3486c5%22%7d</a> <b>Registration Link:</b> <a href="https://docs.google.com/forms/d/e/1FAIpQLSfL_5PrnZ8BAKp95lqvln51ic17hRcCqSt4X611ZTSJtqBQ/viewform?usp=sf_link">https://docs.google.com/forms/d/e/1FAIpQLSfL_5PrnZ8BAKp95lqvln51ic17hRcCqSt4X611ZTSJtqBQ/viewform?usp=sf_link</a> <b>in collaboration with</b> <b>International Foundation for Sustainable Development in Africa and Asia (IFSDAA) - African Asian Studies Promotion Association (AASF) – Germany and Society for Sustainable Agriculture and Resource Management (SSARM) – India.</b></p> <p>As per FAO, Statistic, the world population will be around 8 billion people by 2025. Currently about 850 million people suffer from hunger and about 2 billion children suffer from malnutrition and micronutrient deficiency. India ranks number 1 in terms of pre-term birth as 23% pre-term born infants are in India. Human health is determined by genetic, epigenetic, environmental, nutritional and psychological factors. Women health is most critical during times of pregnancy. Genotype of an individual mothers determines the phenotype of the foetus and the neonates through its interaction with nutrition and medication during</p>	<p>pregnancy. These epigenetic changes due to genotype environmental interaction determine the health of foetus, neonates and adults and sometime these changes are inherited over generation (DOHAD). All the above stated factors determined the optimal pregnancy environment and the health of neonates. It is therefore utmost important that the precise risk assessment during pregnancy is done so that nutritional, therapeutic, physiotherapeutic and psychological counselling interventions are put in place for the health of pregnant mothers and neonates. Therefore, Characterization of gut microbiome and management of stress during pregnancy are important deterministic factors. In consideration of the above facts, Deptt. Of Agriculture MMDU Mullana in collaboration with OPERA, Canada/ Australia, IFSDAA, Germany and SAARM India will organize an international webinar on International Women Day, 8<sup>th</sup> March 2022. The experts, research scholars and students from health and agricultural sciences as well as from other allied disciplines of Science and Technology among global community are cordially invited to join the webinar proceedings to celebrate International Women Day.</p> <p><b>Inspiration, Supervision and Moderation</b></p> <div>    </div> <p>Prof. David M. Olson Alberta University, Canada</p> <p>Prof. Richard Saffery M. University, Australia</p> <p>Prof. Deborah Sloboda McMaster, Canada</p> <p><b>Distinguished Speakers</b></p> <div>   </div> <p>Dr. Nayara Lopes Alberta Univ., Canada</p> <p>Dr. Toby Mansell Melbourne Univ., Australia</p> <div>   </div> <p>Dr. Kate Kennedy McMaster, University, Canada</p> <p>Dr. Ruby Bhatia MMIMSR, MM (DU), Mullana, India</p>	<p><b>Chief Patron</b> Dr. Tarsem Garg, Chancellor, MM (DU)</p> <p><b>Patron</b> Prof. Harish Sharma, VC, MM (DU) Prof. B.R. Kamboj, VC, CCSHAU Prof. J.S. Shandhu, VC, SKNU Prof. Dinesh Kumar, VC, GU Prof. D.P. Singh, President, SSARM Dr. K. Wolde-Giorjis, IFSDAA, Germany</p> <p><b>Advisor</b> Prof. V.S. Pahlil, Director Agri., MM (DU) Prof. Amit Mittal, Vice-Principal, MMIMSR</p> <p><b>Webinar Chair</b> Prof. R. K. Behl</p> <p><b>Organizing Committee</b> Prof. R.S. Sangwan, AICSR, Noida Prof. Vilas Tonapi, IIMR, Hyderabad Prof. Vipin Saini, MM(DU) Prof. Ashok Arora MM(DU) Prof. Vinita Aggarwal, MM(DU) Prof. Anil Sharma, MMDU Prof. Adesh Saini, MM(DU) Prof. Rajbir Singh, PAU, Ludhiana Prof. Alka Chhabra, AMC, Agroha Prof. Beant Singh, GMC, Patiala Prof. Kavita Bhatti, CMC, Ludhiana Prof. Smriti Nanda, PGIMS, Rohtak Dr. Archana Bhargava, KCMC, Karnal Dr. Shela, SEI, Noida Dr. Neelum Sangwan, CU, Mehendergarh Dr. Seema Sonkar CCSHAU, Hisar Prof. S.K. Pahuja, CCSHAU, Hisar Prof. K.D. Sharma, CCSHAU, Hisar Prof. Neeraj Dilbagi, JUST, Hisar Dr. P.K. Upadhyaya, RBS, Agra Prof. Anil Chiller, MDU, Rohtak Dr. Machiavelli Singh, Anitya University Prof. M.K. Rana, MM(DU) Prof. Devi Singh, MMU Sadopur Dr. Pravin Sharma MM(DU) Dr. N.K. Tiwari, MM(DU) Dr. Ramesh Chand, MM(DU) Dr. Ridhima Arya, MM(DU)</p> <p><b>Dr. Pooja Malik</b> Convener +91-8684041373</p> <p><b>Dr. Jagdeep</b> Co-convener +91-7015031204</p> <div>    </div> <p>Prof. V. S. Pahlil Director, Agri. MMDU</p> <p>Prof. R. K. Behl Webinar, Chair</p> <p>Dr. Pooja Malik Convener</p>
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## International Webinar 2022

### Indo-Spain Webinar

### on Electrolyzed water and its application in Agriculture

3rd August 2022

#### Indo-Spain Webinar

On

**“Electrolyzed water and its application in Agriculture”**

On

**3<sup>rd</sup> August 2022**

Time: 02:00 pm (Indian Standard Time) onwards



Organized & hosted by:  
Dept. of Agriculture,  
MM (DU), Mullana

**Registration Link:**  
<https://forms.gle/DZwspRQkBVbsqR7d9>  
Link to join online: Indo-Spain Webinar  
Google Meet joining info  
Video call link: <https://meet.google.com/ihn-zvwy-ris>  
Or dial: (US) +1 904-999-4398 PIN: 630 903 509#

**in collaboration with**

Aquaactiva Solutions, Spain &  
International Foundation for Sustainable  
Development in Africa and Asia (IFSDAA) -  
African Asian Studies Promotion Association  
(AASF) – Germany and  
Society for Sustainable Agriculture and Resource  
Management (SSARM) – India.  
& MSME, Karnal

In India, we share 4.2% of the potable water (of 1% total potable water on earth) which signifies a stringent competition for its uses in agricultural, domestic, industrial and municipality purposes. Therefore, water is a commodity and its safe use and quality assurance is valuable for all stakeholders. Organic/ Inorganic pollutants diminished the quality of water, hence its safe use for different purposes. In agriculture and food industry, the entry of pollutants in food chain will pose threats to human and livestock health. Therefore, removal of these pollutants is utmost

imperative and essential. Removal of pollutants using physical, chemical, microbial & other biological methods offers some promise but with many limitations. In this sequel, a new technology generated by a specially designed reactor named as electrolyzed water based on electrolysis of saline water, also known as alkaline water have been developed. In this process, hypochlorite ions are generated which have biocidal properties and is 100 times more effective than treating water only with chlorine ion. EW has potential application for improving waste water for irrigation. It has its proven role in COVID situation as a sanitizer. In Haryana, about 55% underground water is brackish and of poor quality which is hardly useful for domestic and agricultural uses. Likewise, at some places underground water has certain amounts of heavy metals like Uranium. Mitigation of salinity and heavy metals are important. In view of the above facts, today's Webinar is used to explore the possibilities of harnessing gains of electrolyzed, desalinized water in Agriculture and Food Industry.

**Opening Remarks**

  
**Prof. V. S. Pahil**  
 Director, AGRI

  
**Dr. K. W. Giorgis**  
 FSDAA – AASF

  
**Prof. D. P. Singh**  
 President, SSARM

  
**Prof. R. K. Behl**  
 Webinar, Chair

  
**Dr. Ridhima Arya**  
 Convener

  
**Dr. Manpreet Kaur**  
 Co-convener

**Distinguished Speakers**

  
**Er Gregoire Gaurne,**  
 Aquaactiva,  
 Valencia, Spain

  
**Prof. J S Laura**  
 MDU  
 Rohtak

  
**R K Yadav**  
 ICAR-CSSRI  
 Karnal

  
**Mr Sandeep Chawla**  
 Director  
 MSME, Karnal

**Patron**

**Prof. Harish Sharma, VC, MM(DU)**

**Advisor**

**Prof Dr V.S. Pahil, Director**  
 Department of Agriculture, MM(DU)

**Webinar Chair**  
**Prof. R. K. Behl**

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2. Prof. Anil Sharma, MM(DU)
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23. Dr Pooja Malik, MM (DU)
24. Ms Amandeep Sharma MM (DU)

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