



12th International Conference on

Resource Management for Food, Agriculture, Environment and Health Sustainability

September 14-16, 2022

***Celebration for Excellence of AASF for 62 years &
IFSDAA for 15 years***

Organized by

*International Foundation for Sustainable
Development in Africa & Asia*



*Afro-Asian Studies Promotion
at*

*Mahatma Gandhi House, Theodor Heuss Str-11
37075, Goettingen Germany, www.aasf.de*



In Collaboration with

*HAWK University of Applied Sciences and Arts
Von-Ossietzky-Str. 99, 37085 Goettingen,
Germany*



<https://www.hawk.de>



*Society for Sustainable Agriculture and Resource
Management, India*

INVITATION

Dear Colleagues,

World population is growing unabated, more so in developing countries of Asia, Africa and Latin America. The world population is expected to be about 8 billion in 2025 and will stabilize at about 10 billion people by 2050. Currently around 1 billion people suffer from hunger and 2 billion children are malnourished due to deficiency of minerals and vitamins. The food production needs to be doubled by 2050 from less land area and shrinking water and other natural resources for meeting the needs of growing world population. This is a biggest challenge to the world food security and daunting task for the scientists, technocrats, agricultural experts, environmentalists and policy planners to achieve the targets while maintaining natural resource base of soils for sustainability of agricultural system.

With advent of green revolution era, world food production has increased many folds during last five decades mainly due to adoption of high yielding, high input requiring semi dwarf varieties of wheat, rice and improved hybrids of maize, sorghum etc. However, intensive irrigation and use of agro chemicals have led to many grey patches on account of secondary salinization, degrading soil health and biotic and abiotic stresses. Consequently, the factor productivity is increasing with lesser input use efficiency. The climate change has further aggravated the situation on account of global warming and lack of climate resilient varieties. Human and livestock health is determined by genetic, epigenetic, environmental & nutritional and stress factors and immunity levels. Therefore, coherence among these should be ensured. The immunity can be modulated by food/feed and environment.

Prudent technologies including plant breeding, biotechnology, agri-technologies for crop production and plant protection can pay dividends. Resource optimization, conservation, increased input use efficiency, development of crop varieties with enhanced resilience and tolerance to biotic and abiotic stresses are key deterministic factors for higher crop production, productivity, access to food at affordable prices, profitability of farming systems and elements of food security, environment and health sustainability.

Thus, genetic options and management approaches are called for to meet the challenge. This has become all the more important in wake of Ukraine war led crisis in terms of declining resources, hiking prices for food and energy, migration problems and environment and health concerns.

Keeping above facts and pious goals in view, the International Foundation for Sustainable Development in Africa and Asia (IFSDAA) and Afro-Asian Studies Promotion Association (AASF) are jointly organizing this international conference in collaboration with the HAWK University of Applied Sciences and Arts, Goettingen, Germany and the Society for Sustainable Agriculture and Resource Management (SSARM), India. This year's conference also embarks on organizing innovation ignition and ideas' competition for young scientists for development of useful products and processes that can contribute positively to the welfare of human society.

Policy planners, researchers, scholars and NGOs in science & technology, agriculture, bio-technology, health care, economics, environment, skill development and entrepreneurship, social research streams are welcome to participate. The organizers will be happy to welcome the participants to the conference venue at AASF center at Mahatma Gandhi House, in Goettingen, Germany.

Er. Dawit Bereket-Ab
Co-Convener

Dr. K. Wolde-Giorgis
Convener

Dr. M. Kern
Co-chair

Prof. A. Ibenhal
Chair

Information about the Conference

The International Conference includes oral and poster presentations and demonstration, from well-acclaimed research and development functionaries from academia, technology experts and industry representatives for knowledge enhancement in real time through revealing and reflecting experiences and ideas on recent innovations in Science Technologies and entrepreneurship.

Venue: Mahatma Gandhi House, Theodor Heuss Str-11 37075,
Goettingen, Germany

Dates: September 14-16, 2022

Conference Language: English

Objectives:

- To promote Science and Technology Innovations for harnessing genetic and management options for food and nutrition security, agriculture environment and health sustainability in rural and urban settings.
- To promote agro and biotechnologies for crop production, food processing and value addition, resource optimization and conservation for sustainable development in Africa and Asia.
- To develop and promote IT based modern technologies like artificial intelligence and application of drones, GPS, GIS for climate resilient precision agriculture and health diagnostics.
- To promote innovation through ignition of pragmatic ideas in science and technology and resource management including bio-diversity, natural resources including land, nutrients and water, conceptual knowledge, hands on practice through financial assistance framework to facilitate youths and entrepreneurs in Africa and Asia.
- To create a network of technocrats and management experts in cooperation with IFSDAA-AASF for promoting research and development in Africa and Asia.

Mission:

This conference shall disseminate latest results on the application of science and technologies for sustainable development in Africa and Asia. Examples include development and use of agri & biotechnologies, resource management for increased input use efficiency, digital crop management, logistics artificial intelligence, food processing, value addition, nutrition and agriculture, environment and health sustainability.

Themes for Contributory Papers: Contributors are requested to specify the topic of their intended presentation from among the following themes and related topics. Poster presentations of reference projects will also be appreciated.

- Management of natural resources like land, water, nutrients, crop diversification including agro-horticulture-forestry for food production and medicinal & spice plants for pharmaceuticals and health.
- Technologies for resource conservation, resource optimization and enhanced resource use efficiency of applied and natural inputs for higher productivity and environmental sustainability.
- Fertilizers, Nano fertilizers and use of agrochemicals for plant protections.
- IT and AI based climate resilient precision Agriculture and management of environment and health care Technology.

- Agri-waste and bio-resource management including bio-fertilizers, manure and composts, bio-char, bio-pesticides and herbicides etc.
- Plant breeding and biotechnologies for development of improved crops for high yield, tolerance to biotic and abiotic stresses and better quality.
- Food processing for higher nutritional & end use value for human health.
- Green technologies, renewable energy sources, and their applications in energy supply chain for agriculture, food processing, allied agro-industries.
- Future science and technology innovations to enhance resource use efficiency in agriculture and allied enterprises.
- Women empowerment in agriculture, science and technology, environment healthcare and policy planning.
- International cooperation's for achieving food and nutritional security, environment and health sustainability through sustainable development in Africa and Asia.

Keynote lectures by distinguished professors/researchers/development functionaries from Europe, North & South America, Asia, Africa and Oceania.

Abstract: Maximum one page up to August 15, 2022. Abstracts as well as full paper of registered participants will be published. Please submit your abstract via email to ifsdaa2022@aasf.de with a copy to ifsdaa2022@gmail.com. One registrant can submit only one paper.

Innovative Idea Competition: In order to encourage innovation ignition among young scientists and scholars from Africa and Asia, an Innovative Ideas Competition will be arranged during the conference. The unique idea leading to prototype, product, and process development for human welfare will be awarded with limited research initiation grants. The unique ideas should be submitted in a prescribed format attached as an annexure with conference broacher as an annexure for uniform evaluation. The selection of unique idea will be made by acclaimed international scientists (ifsdaa2022@gmail.com)

Registration Fee (before August 31, 2022): Euro150 normal, Euro 75 for research scholars and students. Registration fee includes book of abstracts, session tea, lunch and dinner during the conference.

After August 31, 2022 or in case of on spot registration the fee will amount Euro 175 normal and Euro 90 for research scholars and students.

Accommodation:

Hotels (bed & breakfast):	Single room EUR 30 - 50
	Double room EUR 60 - 100.

Accommodation for students/scholars: Mahatma Gandhi House Hostel, EUR 15

Scientific Excursions will be organised for the participants both before (September 11-13, 2022) and after (September 19-22, 2022) the conference to scientific institutions, historical museums and other seen worthy places.

About Goettingen: Goettingen university town lies in the southern part of Lower Saxony. A number of museums and scientific industrial enterprises and high-tech university laboratories are seen worthy.

Weather: Weather in beginning of September is pleasant. Intermediate rain showers are possible and umbrella as well as light woollens for colder nights are recommended.

Featured Speakers



Prof. A. Riedacker
Co-Nobel Prize
IPCC, 2007



Dr. M. Kern
agriExcellence
Germany



Prof. W. Merbach
German President
Medal Awardee



Prof. R.N. Chibbar
Saskatchewan Univ.
Canada



Prof. R. Yadav
Aberystwyth
Univ., UK



Prof. A. Bagci
Selkuk Univ
Turkey



Prof. A. Ibenthal
HAWK Univ
Germany



Prof. G. Flachowsky,
FAL, Braunschweig
Germany



Prof. N. El Bassam,
IFEED, Vieschelde,
Germany



Prof. T. A. Mohammed
Bagdad University
Iraq



Prof. A. Noorpoor
Tehran University
Iran



Prof. A. Jahoor
Riso, INST, PL. BR
Denmark



Dr. K. W-Giorgis
President AASF
Goettingen Germany

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Prof. Rattan Yadav, UK
Prof. R.K. Behl, IFSDAA, Germany

Local Organising Committee of International Conference

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Mr. Helge Tepperwien
Mr. Peter Teriet

Registration and Contact

Please send the registration form to e-mail ifsdAA2022@aasf.de with a copy to ifsdAA2022@gmail.com, and the registration fee through Bank demand draft, pay orders to IFSDAA c/o Afro Asian Studies Promotion Association, Mahatma Gandhi House, Theodor-Heuss-Str. 11, 37075, Goettingen, Germany. On the conference venue, payments can be made in cash at the registration counter also.

Contact

IFSDAA-AASF: Dr. K.W-Giorgis (+49 1638823672) Germany
Er. Dawit Berket Ab (+49 1737487424) Germany

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SSARM: Prof. R.K. Behl (+91 8005853300/9416674172), India
Dr. Pravin Kumar Sharma (+91 8901406358), India

For Bank Transfer

Name of the Bank:	Sparkasse Goettingen / Germany
Bank Branch /City:	Goettingen / Germany
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Schedule

Abstract submission:	July 01, 2022 onwards
Acceptance notification:	One week after abstract submission
Online Registration:	July 15, 2022 onwards
Conference:	September 14-16, 2022
Pre Conference Excursion:	September 11-13, 2022
Post Conference Excursion:	September 19-22, 2022

REGISTRATION FORM

International Conference on
Resource Management for Food, Agriculture, Environment and Health
Sustainability
September 14 - 16, 2022

1	Name (in block letters):	
2	Position:	
3	Mailing Address:	
4	Phone & fax:	
	Email:	
8	Title of paper:	
9	Registration Fee	EUR150normal, EUR75 for students
10	Accommodation required	<input type="checkbox"/> None <input type="checkbox"/> Mahatma Gandhi House (without breakfast) <input type="checkbox"/> Hotel (rooms will be blocked, self-registration required)
11	Mode of arrival (bus/rail/car/other):	
12	Arrival time/date:	
13	Departure time/date	
14	Statement: Place &date: Signature:	I agree with the online publication of abstracts and pictures made on the conference venue. <input type="checkbox"/> Yes <input type="checkbox"/> No