

First Circular

**International Seminar
on
Sustainable Intensification of Agriculture
Through Resource Management and
Conservation**

July 7-9, 2017

Organized by

International Foundation for

**Sustainable Development in Africa and Asia
(IFSDAA), Goettingen, Germany**

In Collaboration with

**Faculty of Agricultural Sciences and Landscape
Architecture, University of Applied Sciences
Osnabrueck, Germany**

At

**AASF Afro Asian Studies Promotion Association (AASF)
Mahatma Gandhi House, Theodor Heuss Str 11,
D37075 Goettingen, Germany**

INVITATION

Dear Colleagues

To ensure the food security for a growing world population with the possible repercussions of climate change is one of the major challenges to agriculture. This leads to constant pressure on crop production systems in order to enhance food quantity without increasing environmental degradation. Sustainable intensification (SI) of agriculture is a way forward to match these issues. That means to enhance efficiency of agricultural production, either by increasing yields without additional negative environmental impact as well as without expansion of cropland or by reducing negative external effects under constant yields. Several highly regarded studies and reports pointed out that sustainable intensification is the only possibility to ensure future food security and quantified the global potential of SI by projections and modelling. Against this scientific background, transferability and applicability of sustainable intensification has to be discussed: How does the framework fit to various geographic regions, spatial scales or different farming systems (high/low input)? Within the wide range of implementing a general approach like SI in the diverse systems of worldwide agriculture. Agriculture is of global significance in terms of food production, carbon sequestration environment sustainability and biodiversity preservation. The peatlands, forests and steppe soils are one of the most important carbon sinks worldwide. The increase of drought risk caused by climate change will lead to more challenges in these water-limited agricultural production systems. On farm scale agricultural strategies are being developed for increased efficiencies in crop production systems. Therefore, experiments with different tillage and seeding operations including seed rate, seed depth with various soil types and fertilization and water regimes need to be installed in various crop production systems while intensively monitoring plant development and yield components during growing season. In conjunction with progressing climate change there seems to be high potential for enhanced production efficiency should be explored. Besides agrochemicals for plant nutrition (fertilizers, micronutrients) and plant protection (pesticides, fungicides, bactericides, nematicides, herbicides) impetus should also be laid on bioorganic manures, vermicomposts, biofertilizers and plant growth promoting substances and biopesticides to complement each other for enhanced productivity and soil environment sustainability. This way of sustainable intensification of agricultural production will also preserve carbon stocks and biodiversity as there is no need for expanding cropland area into currently natural ecosystems.

Keeping above facts in view, IFSDAA in collaboration with Faculty of Agriculture, University of Applied Science Osnabruek and Afro Asian Studies Promotion Association (AASF) are jointly organizing three days international seminar to sensitize researchers, policy planners and functionaries in public and private sectors from various countries to harness sustainable intensification of agriculture for strengthening production systems for food security and environment sustainability.

The organizers cordially invite you and your colleagues to participate in this seminar at science city of Goettingen, in Lower Saxony, Germany.

Prof. Geert Haesaert
President, IFSDAA

Prof. Dieter Trautz
Chair

Er.Dawit Berekte-Ab
AASF

Dr.K.W-Giorgis
Convener

Information about the Seminar:

The technical programme of the Seminar will consist of lead papers, contributory papers, discussions with senior scientists and poster presentation.

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

Dates: July 7-9, 2017

Seminar Language: English

Objectives:

- To provide a platform to the researchers, policy planners and functionaries to share views about sustainable intensification targeting agriculture production systems, food security and environment sustainability
- To discuss about the coherence among food, environment and sustainability.
- To create a network of professional across various disciplines of crop and animal husbandry for integrated advancement in developing and developed countries.

Mission

The scope of the seminar is related to the generation and application of science and technologies for improvement in food production systems, resource management and conservation towards food security and environment sustainability.

Themes for Contributory Papers: Contributors are requested to specify topic of the Seminar for which their intended presentation from among the following themes and related topics.

- Plant Breeding and Biotechnology for High Yielding Varieties
- Climate resilient agriculture and crops , agro-biodiversity , seed chain
- Resource management : Water and nutrient management, input application methods and use efficiency, animal resource management
- Water and nutrient resource conservation technologies, direct seeded rice, weed management, plant protection umbrella
- Tillage systems, low and high external input agriculture, crop production systems
- Bioenergy, agro-horticulture forestry, peat lands, carbon sequestration
- Post harvest food technology, value addition
- Environment Sustainability, bio-organic agriculture , rhizosphere, biofertilizers, biopesticides , use of fly ash and agri waste in agriculture
- Synergistic approaches in crop production, environmental sustainability and nutritional value of food stuffs for human health
- Advance & nano scale technologies in agriculture and environment
- International collaboration for sustainable intensification of agriculture for food security in Africa and Asia

Keynote Lectures: Distinguished Professors/ researchers / development functionaries from Europe, North & South America, Asia, Africa, and Oceania

Abstract: Maximum one page up to June 15, 2017

Abstract as well as full paper of registered participants will be published. One registrant can submit only one paper.

Registration Fee: Euro (150) normal, Euro (75) for research scholars and students. Registration fee includes book of abstracts, session tea, lunch and dinner during seminar

Poster Presentation:

Posters (1x1.2 m) should include title, name and address of the author (s), short introduction, method and material, results and conclusions. Best Poster Paper Awards.

Accommodation: Hotels and guest houses (Bed and Breakfast)

Hotel Single Room Euro 50-75 , Double room Euro 75-90

Mahatma Gandhi House Hostel (for students/scholars) : Euro 15

Scientific Excursion (Optional) : July 3 to 5, 2017 We will arrange excursion to visit agriculture and seed production farms, renewable energy settlements around Goettingen at participants own expenditure

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 the month of July is pleasant. Bright sunny days are expected. However, rain showers are expected, an umbrella is recommended.

Patrons

Prof. Dr. W. Merbach, Prof. Dr. B. Benzing, Prof. N. El Bassam

International Advisory Committee

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Mr. Bernd Lueder
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Contact Address :

Please send registration form, 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. (can be paid in cash at registration counter also) and a copy of your abstract by **E-mail: ifsdAA2017@aasf.de** with a copy at **9thifsdAA@gmail.com**

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Website: <https://www.aasf.de/ifsdAA/ifsdAA-seminar-2017/>



REGISTRATION FORM

9th International Seminar

**on
Sustainable Intensification of Agriculture Through Resource
Management and Conservation**

July 7-9, 2017

1	Name (in block letters)	
2	Position	
3	Mailing Address	
4	Phone & fax	
	E mail	
8	Title of paper	
9	Registration Fee	Euro 150 normal , Euro 75 for students
10	Accommodation required	Single room Double room
11	Mode of Arrival: Bus /Rail	
12	Arrival Time and Date	
13	Departure Time and Date	
14	Place & Date	Signature