

## PATRON IN CHIEF

- Vice Chancellor, UAF

## CONFERENCE COMMITTEES

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- Prof. Dr. Allah Bakhsh, Dean, Faculty of Agricultural Engg. & Technology
- Dr. Frank-Andreas Weber, FiW, Aachen, Germany

### COORDINATOR / SECRETARY GENERAL

- Dr. Abdul Nasir, Assoc. Professor, SEE-UAF

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- Dr. Muhammad Usman, University Würzburg, Germany
- Prof. Boris Mahltig, Hochschule Niederrhein, University of Applied Sciences, Mönchengladbach, Germany

## ORGANIZERS

- Department of Structures & Environmental Engineering, Faculty of Agri Engg & Tech., UAF
- Research Institute for Water & Waste Management at RWTH Aachen (FiW), Aachen, Germany.

## CONFERENCE COORDINATOR CONTACT

Dr. Abdul Nasir, Associate Professor, Chairman Department of Structures & Environmental Engineering, University of Agriculture, Faisalabad, Pakistan. (38040)

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## ABOUT THE CONFERENCE & WORKSHOPS

As part of the ongoing project "Innovative Impulses Reducing the Water Footprint of the Global Cotton-Textile Industry towards the UN-Sustainable Development Goals (InoCottonGROW)", Faculty of Agricultural Engineering & Technology, University of Agriculture Faisalabad, Pakistan, in collaboration with InoCottonGROW project partners led by Research Institute for Water & Wastewater Management at RWTH Aachen (FiW), Germany, is organizing an international Mid-Term Conference supported by the German Ministry of Education and Research (BMBF). Major focus is on water consumption, conservation strategies for the growth of cotton, water efficiency and wastewater treatment in textile industry, and options to reduce their environmental repercussions.

In this event, eminent speakers pertaining to the scope of conference will share their valuable research outcomes and enrich the participants of the conference with emerging scope of multi-disciplinary research for sustainable development. Faculty of Agricultural Engineering & Technology is looking forward to country-wide and international participation for a successful interaction among international scientists, engineers and other stakeholders.

Following the conference, distinguished German scientists will offer a series of training workshops and participate in discussions on strategies for integrated water resource management reducing environmental repercussions in Punjab.

## PROPOSED THEMES FOR THE CONFERENCE

- Water footprint of the cotton-textile value chain
- Efficient irrigation systems for growing cotton
- Remote sensing for water resources
- Water allocation and on farm water accounting
- Hydrologic and hydraulic modelling
- Water efficiency in textile industry
- Textile wastewater treatment technologies

## CALL FOR ABSTRACTS

Researchers are invited to submit their abstracts related to the Conference themes as mentioned, to the coordinator of the conference. These abstracts will be reviewed by the Technical Committee for conference and will be published in the abstract book. Please follow the dates as given below.

**Submission of Abstract (250-300 words):** 31 Dec 2018

**Approval notification for submission:** 06 Jan 2019

**Compilation & Publication of Abstract Book:** 15 Jan 2019

Email address for abstract submission & other information:

[uaf.see@gmail.com](mailto:uaf.see@gmail.com)/[haroon.rashid@uaf.edu.pk](mailto:haroon.rashid@uaf.edu.pk)



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Federal Ministry  
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InoCotton  
GROW



Invitation to  
Mid-Term Conference

Water Footprints of the  
Cotton-Textile Value  
Chain: Environmental  
Repercussions from Field to  
Hanger

January 29 to February 02, 2019

VENUE  
New Senate Hall  
University of Agriculture Faisalabad

Jointly Organized by  
Faculty of Agricultural Engineering & Technology,  
UNIVERSITY OF AGRICULTURE FAISALABAD &  
BMBF-InoCottonGROW Project Partners



## CONFERENCE PROGRAM

### 28-01-2019 Monday // Arrival and Opportunities for Bilateral Meetings of Pakistani-German Scientists

### 29-01-2019 Tuesday // Day 1

#### INAUGURAL SESSION // New Senate Hall

Registration & seating	8:30 to 9:00 am
Welcome Address by Coordinator of Conference	9:00 to 9:15 am
Key note speaker: German Scientist	9:15 to 9:35 am
Address by German Embassy (invited)	9:35 to 9:50 am
Address by Vice Chancellor	9:50 to 10:00 am
Vote of Thanks	10:00 to 10:05 am
Tea Break	10:05 to 10:30 am

#### TECHNICAL SESSION 1 // Venue (New Senate Hall)

Nine (9) presenters, each presentation @ 15 minutes and 5 minutes question/answer session for each presenter

LUNCH BREAK	1:30 to 2:30 pm
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#### TECHNICAL SESSION 2 // Venue (New Senate Hall)

Nine (9) presenters, each presentation @ 15 minutes and 5 minutes question/answer session for each presenter

Closing of Day 1

### 30-01-2019 Wednesday // Day 2

#### TECHNICAL SESSION 3 // Venue (New Senate Hall)

Ten (10) presenters, each presentation @ 15 minutes and 5 minutes Q/A session (Tea Break from 10:30 to 11:00 am)

LUNCH BREAK	1:30 to 2:30 pm
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Lecture by Engr. ANJUM SHARIF: Entrepreneurship Through Low Cost Organic Farming Solution

Closing of Day 2

## PARALLEL TRAINING WORKSHOPS

### 31-01-2019 Thursday // Day 3

#### TRAINING WORKSHOP I: HYDROLOGIC AND HYDRAULIC MODELLING DLC 2 // 15-20 participants

HYDROLOGIC MODEL SWAT 9:00 am to 1:00 pm  
Rike Becker, IWW-MH incl. Tea Break

LUNCH BREAK 1:00 to 2:00 pm

MODELING OF CANAL-GROUNDWATER INTERACTION 2:00 to 5:30 pm  
Lennart Schelter, RWTH-IWW

### 31-01-2019 Thursday // Day 3

#### TRAINING WORKSHOP II: COTTON PRODUCTIVITY CAS Building - Conf Room 1 // 15-20 participants

SATELLITE REMOTE SENSING 9:00 am to 1:00 pm  
Dr. Muhammad Usman, UW incl. Tea Break  
Prof. Christopher Conrad

LUNCH BREAK 1:00 to 2:00 pm

WATER ALLOCATION AND PRODUCTIVITY IN COTTON IRRIGATION 2:00 to 5:30 pm  
Dr. Bernhard Tischbein, ZEF  
Nora Zimmermann, HRW  
Jonathan Schultze, HRW

### 31-01-2019 Thursday // Day 3

#### TRAINING WORKSHOP III: WATER EFFICIENCY AND WASTEWATER TREATMENT IN TEXTILE INDUSTRY CAS building - Conf Room 2 // 15-20 participants

WASTEWATER TREATMENT 9:00 am to 1:00 pm  
Ulrich Brüß, A3 incl. Tea Break  
Dr. Frank-Andreas Weber, FiW

LUNCH BREAK 1:00 to 2:00 pm

WATER QUALITY MEASUREMENTS AND MONITORING 2:00 to 5:30 pm  
Dr. Philipp Theuring, SEBA

## SEMINAR ON WATER RESOURCE MANAGEMENT

### 01-02-2019 Friday // Day 4

#### SEMINAR CAS Building - Auditorium 1 // 50 participants

WATER FOOTPRINT CALCULATIONS 9:00 to 9:45 am  
Dr. Markus Berger,  
Natalia Finogenova, TUB

INTEGRATED WATER RESOURCE MANAGEMENT 9:45 to 10:30 am  
Bjoern Gruen, Lippeverband

Tea Break

DISCUSSION OF SCENARIOS TO REDUCE THE WATER FOOTPRINT OF COTTON-TEXTILE VALUE CHAIN 11:00 am to 01:00 pm

Dr. Frank-Andreas Weber, FiW  
Kristina Wencki, IWW-MH  
Dr. Muhammad Usman, UW

Lunch Break 1:00 to 2:00 pm

#### CONCLUDING SESSION New Senate Hall

Concluding Remarks and closing of the Conference 2:00 to 4:00 pm

Closing of Day 4

### 02-02-2019 Saturday // Day 5

#### FIELD VISITS / BUSINESS SESSIONS New Senate Hall

Proposed Visits to Chokera Treatment Plant & Sadaqat Textile Mill 9:00 am to 2:00 pm

Presentations by Pakistan Society of Agricultural Engineers 10:00 am to 1:00 pm

Lunch Break 1:00 to 2:00 pm

Business Meeting of Pakistan Society of Agricultural Engineers 2:00 to 3:30 pm

Closing of Day 5

Find more information about the project InoCottonGROW:  
<https://www.inocottongrow.net>

Looking forward to welcoming you at the Conference.