

**PARTICIPANT**

\_\_\_\_\_  
LAST NAME, FIRST NAME

\_\_\_\_\_  
COMPANY / INSTITUTION

\_\_\_\_\_  
STREET

\_\_\_\_\_  
CITY / COUNTRY

\_\_\_\_\_  
E-MAIL

\_\_\_\_\_  
DATE

**General information:**

**Program timetable is in German time**

**Technical requirements / Live Stream:**

The event will be browser-based.

The presentations will be livestreamed.

**Conference fee:**

Participation in the online conference is free of charge

**Registration:**

By Mail: [renate.schill@iswa.uni-stuttgart.de](mailto:renate.schill@iswa.uni-stuttgart.de)

Please include your full contact details in your registration.

Deadline for registration: **August 13, 2021**

**Online access to the colloquium:**

You will receive the link for the livestream in time before the event.

It will be sent to the e-mail address you used for your registration.

**Contact:**

Renate Schill

University of Stuttgart

Institute for Sanitary Engineering, Water Quality and Solid Waste Management (ISWA)

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Mail: [renate.schill@iswa.uni-stuttgart.de](mailto:renate.schill@iswa.uni-stuttgart.de)



University of Stuttgart  
Germany



FABRIC Asia



# Online Colloquium on Textile Wastewater Management

**August 18, 2021**



**ONLINE**

**Scientific Head:**

Dr.-Ing. habil. Harald Schönberger  
University of Stuttgart  
Institute for Sanitary Engineering,  
Water Quality and Solid Waste  
Management (ISWA)

## PROGRAM in German time

06:00 **Welcome and opening**  
Harald Schoenberger  
University of Stuttgart / Germany

### Textile wastewater: characterisation, prevention, treatment

06:15 **Modern wastewater management in textile finishing industries**  
Harald Schoenberger  
University of Stuttgart / Germany

06:40 **Water efficiency in textile wet processing industries  
A case study of Pakistan**  
Shafqat Ullah  
CPI Cleaner Production Institute, Lahore / Pakistan

07:05 **Fundamentals on the design of activated sludge systems and excess sludge formation**  
Peter Maurer  
University of Stuttgart / Germany

07:30 **Discussion**

### Textile wastewater treatment including ZLD

07:45 **Membrane bioreactor – an effective technology for dyeing and textile wastewater treatment**  
Bui Xuan Thanh  
Vietnam National University Ho Chi Minh / Vietnam

08:10 **Latest developments in Zero Liquid Discharge**  
I. Sajid Hussain  
Tamilnadu Water Investment Company Ltd.  
Chennai / India

08:35 **Emerging technology in textile wastewater treatment**  
Rashed Al Mizan  
Ahsanullah University of Science and Technology (AUST), Dhaka / Bangladesh

09:00 **Discussion**

09:15 **Lunch break**

## Timetable adjusted to Germany

### Chemicals management in textile industries

09:45 **Chemicals management and water pollution prevention in textile finishing industries**  
Harald Schoenberger  
University of Stuttgart / Germany

10:10 **Practices of chemicals management in Bangladeshi textile factories**  
Mohammad Abbas Uddin  
Bangladesh University of Textiles (BUTex), Dhaka / Bangladesh

10:35 **Available training materials on chemicals management**  
Gundolf Klaehn  
GIZ, Textile Asia, Dhaka / Bangladesh

11:00 **Discussion**

### Solid waste management – sludge and fly ash

11:15 **Generation of sludge from wastewater treatment and its disposal**  
Shoeb Ahmed  
Bangladesh University of Engineering and Technology, Dhaka / Bangladesh

11:40 **Disposal of sludge from textile wastewater treatment in cement plants**  
Harald Schoenberger  
University of Stuttgart / Germany

12:05 **Fly ash reinforced composites: fabrication, properties and applications**  
Yasir Nawab  
National Textile University, Faisalabad / Pakistan

12:30 **Discussion**

12:45 **Summary and conclusions – way forward**  
Harald Schoenberger  
University of Stuttgart / Germany

## REGISTRATION

By e-mail:

[renate.schill@iswa.uni-stuttgart.de](mailto:renate.schill@iswa.uni-stuttgart.de)

Please include your complete contact details:

For required data see flyer page 1 – “Participant”

Registration deadline: **August 13, 2021**

We reserve the right to make changes to the program schedule.

### Organizer:

Forschungs- und Entwicklungsinstitut für Industrie- und Siedlungswasserwirtschaft sowie Abfallwirtschaft e.V. (FEI) in cooperation with the Institute for Sanitary Engineering, Water Quality and Solid Waste Management (ISWA) of the University of Stuttgart and GIZ Agency for International Cooperation



University of Stuttgart  
Germany



BUTEX  
বাংলাদেশ টেক্সটাইল বিশ্ববিদ্যালয়  
BANGLADESH UNIVERSITY OF TEXTILES

**giz** Deutsche Gesellschaft  
für Internationale  
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