

WATENV Newsletter

No. 9 — January 2019



We wish
you a
Happy
New Year!



FLASHBACK - NEW STUDENTS



In October 2018 we welcomed 22 new WATENV students, who began their studies at Gottfried Wilhelm Leibniz University Hannover.

Our new students come from 16 different countries, namely Brazil, India, Nigeria, Ethiopia, Egypt, Afghanistan, Ecuador, Eritrea, Indonesia, Bangladesh, China, Pakistan, Yemen, Nepal, Panama and Germany.

Photo 1: Some of our new students in front of the Leibniz University



Best Graduate 2018

Siling Chen from China graduated as best WATENV student of her batch!



She was also awarded one of six prizes of the Victor Rizkallah foundation for special student achievements in the Master programmes of the Faculty for Civil Engineering and Geodesy. The award was presented to her during the faculty's official graduation ceremony.

Congratulations, Siling!

Photo 2+3: Siling Chen with award letter as best WATENV graduate (left) and at the faculty's graduation ceremony together with the other Victor Rizkallah award winner

Stockholm World Water Week

(by Ravi Kumar)

I convey my sincere gratitude to WATENV and DAAD for giving me the opportunity to attend the world leading annual water conference called "World Water Week" organized by Stockholm International Water Institute (SIWI). The 2018 annual water week held from 26-31 August was a future-oriented meeting attended by more than 3600 participants from 133 countries working on cross-sectional, inter disciplinary water issues. The participants represented from Governments, Local Authorities, International Organizations, Business, stakeholders and NGO's across the globe. The conference was immensely international with seminars, events, showcases, sofas and plenary sessions from more than 400 international organizations. For an overview of the week please visit www.worldwaterweek.org.

This year's theme 'Water, ecosystems and human development', focused on nature-based solutions and how they can be combined with conventional practices. The message was clear – a combination of green and grey approaches is the only way forward.

I had a very great time at World Water Week, the major take-away for me from the week was, I got an idea about major projects, organizations and people working in the sector and I got an opportunity to talk too few of them directly and get nuisances of their experience of working.

I was proud to be part of organizing team as I worked as an assistant, my main tasks were to assist the different sessions, support SIWI secretariat and assist conference participants. I would like to thank the selection committee of WWW for giving me this opportunity and it was a great experience to meet young and dynamic water professionals from across the globe.

The 2019 World Water Week will be held from 25-30 August on the theme "Water for society – including all". I suggest WATENV students to look for various opportunities to be part of this amazing event.



Photo 4: Ravi Kumar

RECENT ACTIVITIES

Team Building

In November we had a Team building workshop in the university's climbing hall!



Photo 5+6: WATENV students in the climbing hall

Winter Get Together

Our season's get-together in December 2018 had the topic "German Christmas traditions - Building a Lebkuchenhaus".



Photo 7+8: one of the result (left) and the working process

Visit to IFAT

(by Sheila Dangol)

A group of 12 students from WATENV (2017/19) course got an opportunity to attend the World's leading trade fair, IFAT. The event was held from May 14-18, 2018 in Munich. IFAT is a platform for exhibition of innovative technologies and on-going researches related to the environmental sector. A total of 3305 exhibitors from 58 countries and 142,472 visitors from 162 countries participated in IFAT 2018. The trade fair offered wide range of technologies in water, sewage, waste, raw materials and green energy sector. Furthermore, the event also had live

demonstrations such as mineral processing technologies and pipe fitting challenge among others. The target group of IFAT includes leading professionals from industries, public utilities, private companies, municipalities and educational institutions.

From a student's perspective, IFAT is a great platform for knowledge transfer and build networks. Various national and international organization and research institutions from water management sector exhibit in this event. It gives an opportunity to know about their specific working areas and present projects. Moreover, the live demonstration of innovative technologies helps in better understanding of the process learnt in the class. The IFAT also offers a presentation session from the leading water professionals. This may help to broaden knowledge on a certain topic and also develop new ideas.

For the first time participants in IFAT, the experience may be overwhelming as it has so much to offer. But, it is definitely recommended to participate in IFAT since it gives international exposure to the scope of water and resources management. The experience.science and future section in IFAT may be interesting for the students to know about the educational research institutions and projects in environmental management. The next IFAT 2020 takes place from May 4- 8, 2020 in Munich. Finally, WATENV students would like to express sincere gratitude to ISAH for providing us with the wonderful opportunity to attend IFAT 2018. We are also thankful to DAAD for the financial assistance for our trip to Munich. The exposure to such large scale trade fair definitely adds value to the knowledge and experience gained by the students.



Photo 9: WATENV students at IFAT 2018 in Munich

WATENV GRADUATES 2018

- **Ahmad Bariq Allemyar**, Exergo-Economic Analysis and Comparative Assessment of Nutrient Recovery Process from Digestate
- **Mariana Amador de Lara**, Testing of a Fully Automated Sampling and Measurement Device for the Determination of Dissolved Methane and Sulfide in Waste Water
- **Héctor Correa**, The Analysis of Stable Water Isotopes in Plants and Soils: a Comparison of Methods
- **Meghna Vipul Dave**, Impact of Climate Change on Irrigation and Hydro Power. A Nextus Study in the Laja River Basin, Chile, Using the WEAP Water Resources Simulation Model
- **Golbarg Goshtasbpour**, Developing a Nearest Neighbor Method for Forecasting Flood Levels from Rainfall Characteristics during Pluvial Floods
- **Katharina Erika Hahn**, Energy & Exergy Based Analysis and Comparative Assessment of Biogas (Ad Generated) Upgradation & Co-Generation Techniques
- **Maged Ibrahim**, Comparison of Different Rainfall Input Data to Derive Design Floods Using Hydrological Modelling
- **Hisham Itani**, Coupling Hillslope-Scale Hydrological Models to a Stormwater Model in a Peri-Urban Watershed
- **Eliana Medeiros Ferreira da Silva Gallo**, A Groundwater Flow Model Using Opengeosys for the Ougaqie Subcatchment of the Nam Co Lake, Tibetan Plateau
- **Thi Lan Phuong Nguyen**, Sensitivity Analysis of an Urban Hydrological Model in regards to Different Rainfall Characteristics
- **Kasra Saadlou**, Sensitivity Analysis of a Model for WaterReuse Concepts in Industrial Parks
- **Syed Muhammad Shah**, Being Right for the Right Reasons - Process Understanding in Conceptual Hydrological Modelling
- **Siling Chen**, Sensitivity of Storm Water Runoff to Climate Change and Urbanization in Biebergemünd-Kassel
- **Ingrid Schwember**, Sensitivity of the CO₂-Footprint of Municipal Wastewater Treatment Plants Depending on the Nitrogen Removal Process
- **Lina Hendrawati Tan**, Investigations into the Degradation of Retractory Organic Matter in Aerobic Biofilms - Lab Experiments and Modelling

Congratulations to all our graduates and we wish them the best luck in their future careers and endeavours!



Photo 10: Our graduates at the Georgengarten in Hannover

Photo credits: N. Gerke (1,5,6,7,8,10), E. Starke (2), N. Herzog (3), R. Kumar (4), A. Polania (9)

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