

September 2018

# Progress report of Coca-Cola Department of Regional Water Studies

**Progress report**  
**July 1- September 30, 2018**



## Highlights

This report gives information related to the activities of the Department carried out during July 1- September 30, 2018. These activities include:

- Admissions and Placements
- Events/Seminars/Workshops/Meetings
- Research Publications

## 1 Admissions and Placements

### 1.1 New Admissions:

The total number of applicants this year were 73 who were allowed to sit for the entrance exam. Based on the performance in entrance exam 55 students were called to appear for the interview. 37 students were selected for admission out of which 14 students finally took admission.

### 1.2 Placements:

The students of the third batch of M.Sc/M.Tech of the department ~~graduated-passed out~~ on 15 Jul 2018. The batch had 06 M.Sc. students and 09 MTech students. The convocation ceremony for these students shall be held in November 2018. The final placement status of the students as of date is as follows:

Name	Course	Placement Status
Ashu Balhara	M.Tech	TATA Centre for Development-University of Chicago
Bommaraboyina Prithvi Ram	M.Sc.	ICRISAT-Hyderabad
Pragya Gangal	MTech	Prism Cement
Ravi Prakash	MTech	NEERI-Delhi
Sonali Sanjay Agray	MTech	NJS Engineers India Pvt Ltd
Harsha	MTech	Prism Cement
Aparajeeta	MTech	Sehgal Foundation
Harsh Ganapathi	M.Tech	Quash, Noida
Mayuri Phukan	M.Sc	JM EnviroNet, Gurgaon
Gunjan Chawla	M.Sc.	Placement Awaited
Lucas Robert Luhunga	M.Sc	Returned to his country, Tanzania
Ranu Shukhla	M.Sc	Interested in B.Ed.
Yashi Gautam	M.Tech	Opted out to prepare for NET
Zeba Zoaraih Ahsan	M.Tech	Opted out to prepare for civil services examination

## **2 Events/Seminars/Workshops/Meetings**

### **2.1 Management Development Program (MDP) on Gender, Equity & Water Management, 20-21 August 2018:**

A two-day Management Development Programme on Gender Equity and Water Management was organized by TERI School of Advanced Studies (TERI SAS) in collaboration Australia based center of excellence ICEWaRM, Australia on 20-21 August 2018. The programme aimed at building the capacity of Engineers in the Department of Irrigation and CAD to chalk out future directions in understanding and analysis of water inequalities specifically incorporating the gender component and the role of women. It



was inaugurated by Sh. Shailendra Kumar Joshi, Chief Secretary, Government of Telangana. Also present on the occasion were Sh. B Kalyan Chakravarthy, Director General EPTRI; Ian Reid, Chief Academic Officer, ICEWaRM, Australia; Dr Rajiv Seth, Pro-VC TERI SAS and Dr Arun Kansal, Dean Research & Head of Department of Regional Water Studies at TERI SAS.

### **2.2 Visit to Uzbekistan under the project-Energy Efficiency in Water Utilities, Sep 10-15, 2018:**

The project “**Energy Efficiency in Water Utilities**” is a consultancy assignment given by the World Bank to TERI and Coca-Cola Department of Regional Water Studies, TERI SAS is technical partner of TERI in the project. This Consultancy Assignment consists of three primary and interrelated tasks: (1) Energy Efficiency Audit; (2) system optimization to identify options to reduce electricity costs; and (3) Pre-feasibility studies for energy efficiency and load management investments.



TERI SAS led by Prof Arun Kansal is related to second tasks i.e system optimization. Prof Kansal visited Namangan City of Uzbekistan during Sep 10-15 to gather data, visit high

consumers, look into distribution network, hold key meeting with water service engineers and conduct a training program for engineers.

### **2.3 Invited talk on "Synthetic Aperture Radar: Principles and Applications" on September 17, 2018:**

Dr. Rinki Deo was invited as a speaker at Indian Institute of Technology (IITG), Guwahati for the ~~The~~ 12th National Frontiers of Engineering (12NatFoE) Symposium held during 17-18 September 2018. The National Frontiers of Engineering Symposium was launched by the INAE in 2006 as one of its annual flagship events. It brings together young and outstanding engineering professionals (aged ~30-45 years) from industry, universities, and research organizations to deliberate upon emerging and leading-edge research and development work in the domain of engineering and technology. The other institutes participating in this symposium were IIT Roorkee, IISER, IIST, IIT Hyderabad, IIT Delhi, IIIT Bangalore, IIT Bhilai, IIT Kanpur, ~~IIT~~ Jodhpur, IIT Kharagpur etc.

The 12NatFoE focussed on following four technology challenges of India:

- Remote Sensing and Image Processing
- Cyber Security
- Additive Manufacturing
- Medical diagnostics and therapeutics

Dr. Deo delivered talk on “Synthetic Aperture Radar: Principles and Applications” and explained how this technology is unique in providing high resolution, day-and-night and weather independent images and has the capability of providing sub-surface information and is one of the effective tools used to monitor dynamic processes on the Earth surface in a reliable, continuous and global way. Giving several applications of this technology which include oil spill monitoring, sea ice monitoring, oceanography, land use monitoring, glaciology, and planetary/celestial investigations , it was brought to notice that we have now entered into the golden age of SAR and the upcoming highly innovative concepts foresees the exciting future of SAR remote sensing making possible the continuous observation of Earth’s dynamic processes with much better quality and resolution..



#### **2.4 Panel discussion during CLIMATES' 2018 on 20 September 2018:**

Dr. Fawzia Tarannum moderated a panel discussion during CLIMATES' 2018 on September 20, 2018. CLIMATES' 2018 is the first ever youth driven Climate Change Conclave by TERI School of Advanced Studies. Organized by the students of M.Sc. Climate Science and Policy, the conclave seeks to provide an insight into the catastrophic impacts of Climate Change and understand the challenges pertaining to mitigation of impacts and developing climate resilience. The theme of the discussion was “BLUE PLANET - impacts of climate change on oceans and its invariable effects on coastal communities and marine animals.



#### **2.5 Invited Talk in Shivaji College, New Delhi on 24 September 2018:**

Ms. Ranjana Ray Chaudhuri and Dr. Fawzia Tarannum were invited to speak on “Climate Change and Extreme Weather Events” during the Annual event of the Chemistry Department “Rastantram”.



#### **2.6 Attended meeting on “Sustainable Water and Energy Solutions” at New York on Sep 28, 2018:**

Prof. Arun Kansal attended Steering committee meeting on “Sustainable Water and Energy Solutions” at New York on September 28, 2018. The meeting took place in the margins of the 73<sup>rd</sup> session of the United Nations General Assembly. The meeting focused on gathering ideas for how to start building Sustainable Water and Energy Solutions network, as well as for the implantation of the 2019 work plan of the initiative.

### 3 Research Publications

#### 3.1 Research Article published in the Journal “Water Policy”:

Dr. Fawzia Tarannum published a research article in the journal “Water Policy”. The journal publishes analyses, reviews and debates on all policy aspects of water resources. This journal publishes reviews, research papers and progress reports in, among others, the following areas: financial, diplomatic, organizational, legal, administrative and research; organized by country, region or river basin. Water Policy also publishes reviews of books and grey literature. The co-authors of the article are Dr. Arun Kansal and Dr. Prateek Sharma. The paper aims to understand how the public perceives river water quality and related risks and behaviour. Using the stratified semi-purposive sampling process, the study explores the perception of people residing along the river Yamuna in India.

