

جامعة الإمام عبد الرحمن بن فيصل  
IMAM ABDULRAHMAN BIN FAISAL UNIVERSITY

TOWARDS DEVELOPMENT OF  
**ECO-FRIENDLY PLASTIC BOTTLE**  
FOR SUSTAINABLE DRINKING WATER SOLUTION  
29 APRIL, 2018

## Objectives


- To gather all stockholders, i.e. consumers, bottle water manufacturers, decision makers, and academia in one event to initiate communication and channels for sustainable drinking water solution.
- Create awareness about reducing plastic waste starts from IAU level, and then to the whole community.
- Initiate sustainable drinking water solutions to be applied in the whole Kingdom in alliance with KSA 2030 Vision.

## About Tarwyah:

In line with its strive for effective community service and public engagement; College of Engineering – Imam Abdulrahman Bin Faisal University (IAU), has been awarded a considerable sponsorship and support on its winning project " Tarwyah" as part of Sanabel Alhasad Award scheme that is being managed by Deanship of Community Service and Sustainable Development, IAU.

Tarwyah aims towards spreading the awareness about reducing consumption of plastic drinkable water bottle. In such a way that helps people to think for the alternatives, convince them to change their life style and contribute to the better healthy environment. Special focus and interest of Tarwyah is to provide healthy drinking water in public places and build public confidence for utilizing the provided water in a safe, affordable and sustainable drinking water solution. Such solutions being tackled at the moment are: managing the provision of water vending machines, development of a user-friendly mobile application, distribution of reusable water bottles, and creation of water quality awareness maps.

## Main topics will be:

- Tarwyah at a Glance A case study of Imam Abdulrahman Bin Faisal University.
  - KSA Bottle Water Quality Guidelines.
  - Future Water Demands and Sustainable Water Distribution System in Cities in Saudi Arabia and SWCC's Strategy.
  - Overview of Water Safety Plans.
  - Recycling of Water Bottles: Current Technologies and Future Trends.
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## Keynote Speakers Entities

**Prof. Walid Abdulrahman**, Vice president of the Arab Water Council and member of Supreme Steering Committee - National Water Strategy in the Ministry of the Environment, Water & Agriculture.

**Dr. Bassam Tawabini**, Associate professor, Environmental Science and Engineering, King Fahd University of Petroleum & Minerals.

**Dr. Cevat Yaman**, Associate professor, Environmental Engineering, Imam Abdulrahman Bin Faisal University.

**Dr. Nawaf Blaisi**, Assistance professor, Environmental Engineering, Imam Abdulrahman Bin Faisal University.

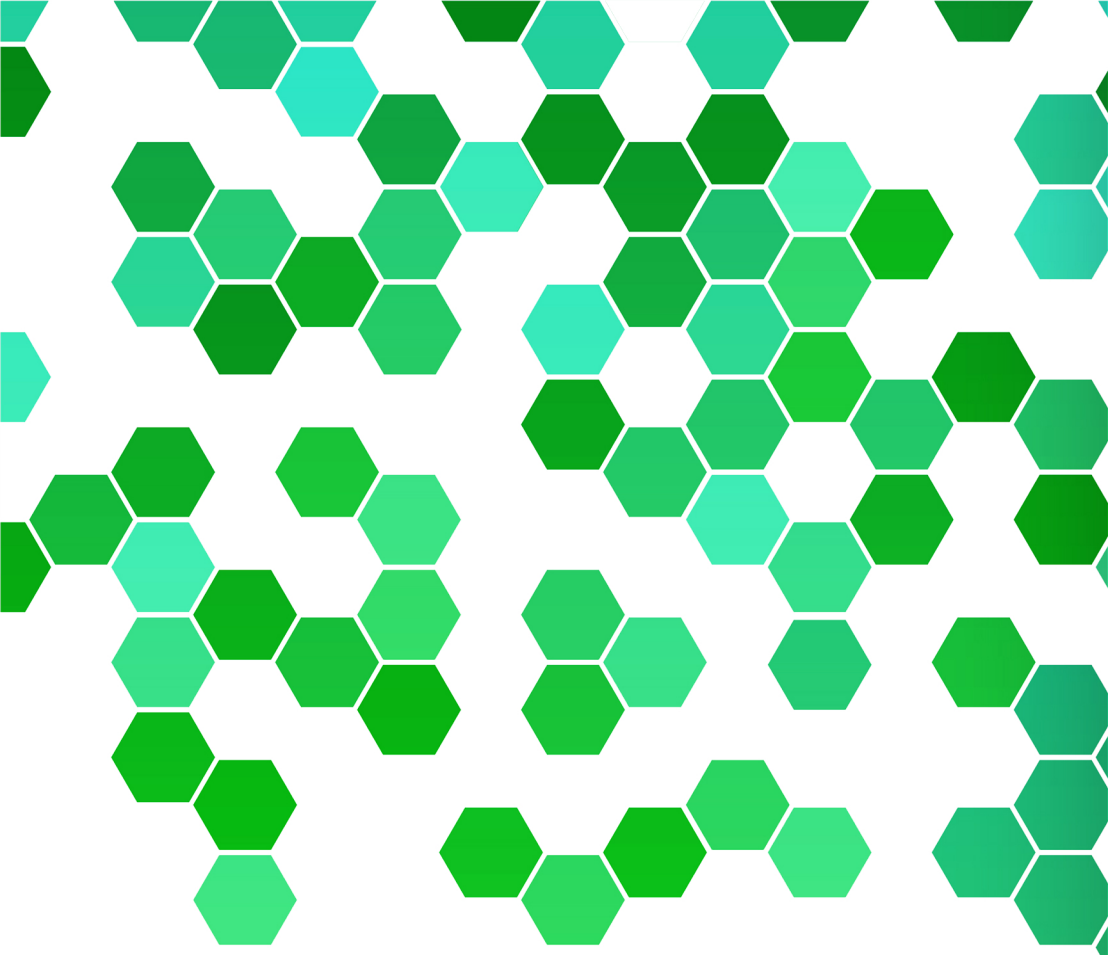
**Dr. Masad Al-Mutari**, Director of the Center for Studies and Research. Souci Standards. MetrologYond Quality organization.

**Eng. Fahad Alenzi**, Official Speaker, Ministry of Environment. Water and Agriculture Water and Sanitation Department.

**Dr. Hamad Al-Madeeni**, Eastern Province Municipality Cleaning Department Head, Eamana.

**Dr. Muhammad Rahman**, Assistance professor, Civil and Environmental Engineering, King Faisal University.





#### Honorary President

Dr. Othman Subhi D. Alshamrani  
College of Architect and Planning  
Imam Abdulrahman Bin Faisal University

#### Co-Chairman

Dr. Muhammad Saleem  
Associate Professor  
College of Engineering,  
Imam Abdulrahman Bin Faisal University

#### Scientific Committee

Prof. Isam Abdel-Magid  
Dr. Ibrahim AlJamaan

#### Workshop Chair

Dr. Nawaf Blaisi  
Environmental Engineering Chairman,  
College of Engineering,  
Imam Abdulrahman Bin Faisal University

#### Sustainable Water Solutions Committee

Prof Omer AGA  
Ilehab Mohammad

#### Organization Committee

Dr. Hisham I. M. Abdel-Magid  
Eng. Hamad Bin-Ghanem  
Eng. Abdulaziz Al-Mengash  
Mohammad Bargouthi  
Abdulaziz Al-Barjas





## Program:

### Towards Development of Eco-Friendly Plastic Bottle for Sustainable Drinking Water Solutions

Program	Time
<b>Reception &amp; Registration</b>	8:00-8:45
<b>Welcome Remark:</b> <b>Dr. Ali Alqarni , Dean College of Engineering</b> <b>Imam Abdulrahman bin Faisal University</b>	8:45-8:50
<b>Dr. Nagah Muqbil Abdullah Algarau, Dean Community Service and Sustainable Development</b> <b>Imam Abdulrahman bin Faisal University</b>	8:50 – 8:55
<b>Opening Speeches: Eng. Mohammad Al-Shehri</b> <b>Director of GAMEP in the Eastern Province</b>	8:55 – 9:00
<b>Eng. Abdulhadi Alshammari</b> <b>Eastern Province Municipal Council President</b>	9:00 – 9:05
<b>Eng. Talal Alrasheed</b> <b>Saudi Environmental Society Chairman</b>	9:05 – 9:10
<b>Break</b>	9:10 – 9:20
<b>Session A</b>	
<b>Reducing the Use of Plastic Bottles for Drinking Water in Saudi Arabia</b> <b>Professor Walid Abdulrahman</b>	9:20 – 9:40
<b>Recent Quality Issues of Bottled Water: An Overview</b> <b>Dr. Bassam Tawabini</b>	9:40 – 10:00
<b>Manufacturing and Recycling of PET Drinking Water Bottles in Turkey</b> <b>Dr. Cevat YAMAN</b>	10:00 – 10:20
<b>Tarwyah at a Glance- A Case Study of Imam Abdulrahman Bin Faisal University</b> <b>Dr. Nawaf I. Blaisi</b>	10:20 – 10:40
<b>Quality of Households Drinking Water Distribution System in Saudi Arabia</b> <b>Eng. Fahad Alenzi</b>	10:40 – 11:00
<b>Saudi Arabia Bottle Water Quality Regulation and Legislation</b> <b>Dr. Mas'ad Al-Mutairi</b>	11:20 – 11:40
<b>Legislation relating to the use of drinking water bottles disposal, and plans for the Eamana</b> <b>Dr. Hamad Al-Madeeni</b>	11:40 – 12:00
<b>Carbon footprint of drinking water bottle in Saudi Arabia</b> <b>Dr. Muhammad Rahman</b>	12:00 – 12:20
<b>Break</b>	12:20 – 1:20
<b>Session B</b>	
<b>Plenary Session Discussion and Closing</b> <b>Prof Omer AGA</b>	1:20 – 2:20
<b>Closing Speech from the University Representative</b>	2:20 – 2:35
<b>Lunch</b>	2:35