International River Summit-2019

Building a Sustainable and resilient future through water

Theme6: Science, Technology ICT and innovation as support system for Action

- Effective water resource management through ICT and database management; ICT systems for Information dissemination and mobilization, remote sensing and GIS applications IoT based system, Datamining etc.

- Present research and research needs for water conservation and recharging; Mobilizing resources, reaching to community.

- Making knowledge accessible, Creating Knowledge Platforms and other mechanisms for dissemination and transfer of Knowledge and data.

- Accounting and monitoring and Management tools, software and Models to control and monitor efficient use of water. Decision support systems and Expert systems.

- Agriculture and Biotechnology

- Solving food problem through food loss deduction; Improved variety, genetic characterization and improvement;

- Improving soil, and climate change mitigation and early warning systems.

- Sustainable development and integrated management of water resources to achieve of social, economic and environmental objectives. Improving technology choices, Locally available technology

- Opportunities in water sector search for equality, development of job opportunities either directly related to its management (supply, infrastructure, wastewater treatment, etc.) or in economic sectors that are heavily water-dependent such as agriculture, fishing, power, industry and health.

- Access to drinking water and sanitation through promotion of an educated and healthy workforce for sustained economic growth.

Action:
Scientific studies, Information systems, models, tools and technologies, Decision support systems

Keywords:
- IT and IOT Applications
- Remote Sensing and GIS
- Hydrological studies
- Crop studies and Analysis