

Department of Biological and Environmental Sciences

Research Interests

- Water management, wastewater treatment and reuse
- Sustainable management of natural resources
- Plant biology, ecology and plant-Microbial interaction
- Environmental conservation, restoration and detoxification
- Environmental Health and Toxicology
- Animal ecology, biogeography and conservation biology
- Environmental Parasitology and vector-borne diseases

Research Projects

- Ecosystem based management of Qatar coastal zone
- Effective remediation method from desalinated water
- Climate change driven impacts on ecosystem functions and services
- Plant growth promoting using Rhizobacteria and endophytes; Halophytes; using waste water for grass and weed establishment
- Determination of pollutants (heavy metals, emerging contaminants, antibiotics, etc.) in water, air and food
- Socio-environmental approach to nature conservation in Al-Reem Biosphere Reserve
- Recovery and Reuse of Municipal and Industrial Wastewater

Collaborators



Members

- Dr. Mohammed Abu-Dieyeh
- Dr. Juha Alatalo
- Dr. Mohammed Al-Janaydeh
- Dr. Mohammad Al-Ghouthi
- Dr. Mohammed Alsafran
- Dr. Perumal Balakrishnan
- Dr. Radhouane Ben-Hamadou
- Dr. Yousria EIFaham
- Dr. Ipek Goktepe
- Dr. Mahmoud Kardousha
- Dr. Nobuyuki Yamaguchi

Key Outcomes (last 3 years)

- >165 publications
- > 10 million USD funding
- 5 PhD, 31 MSc and around 100 UG research projects
- International collaboration with 21 countries
- Several invited talks, tutorials and short courses