



UNDER THE AUSPICES OF H.E. THE
PRESIDENT OF THE HELLENIC REPUBLIC
MR. PROKOPIOS PAVLOPOULOS
**17TH INTERNATIONAL
CONFERENCE ON CHEMISTRY AND THE
ENVIRONMENT**
16-20 June, 2019, Thessaloniki, Greece

ICCE 2019 SESSION
Innovation in drinking water treatment

Conveners

Mathias Ernst and Ioannis Katsoyiannis

Keynote Speaker

Frederik Zietzschmann, *Faculty of Civil Engineering and Geosciences, TU Delft,
Netherlands*

This session covers innovative treatment options in water engineering and our latest scientific understanding of involved chemical mechanisms. Topics may include studies on membrane filtration, adsorption, ion exchange and biological processes. Moreover papers are welcome that deal with coupled processes like membrane hybrids (e.g. bioprocesses / coagulation / adsorption & filtration / membrane filtration); studies on reactive materials (reactive membranes / smart adsorption materials) as well as on the effectiveness of water treatment processes. The later may include outcomes with respect to interaction of water constituents, process parameters and consideration of energy issues. Case studies describing real applications of novel technologies are also very welcome. The session will consist of a key note lecture, several platform and poster presentations offering sufficient time for discussion.