

248th ACS National Meeting & Exposition
Environmental Chemistry Division
August 10-14, 2014
San Francisco, California.

Session Title: Water Challenges and Solutions on the Global Scale

Climate change, disproportional distribution, extensive overuse, and anthropogenic contamination of water resources have limited access to clean water for a large portion of the population on this planet. While water treatment and sanitation technologies exist to address these challenges many in impoverished communities around the world still do not have sufficient technological know-how, infrastructure, or socially and culturally appropriate technologies to have access to sufficient and affordable potable water. There is an urgent need to develop water treatment and sanitation technologies that can address the potable water needs of these communities, as well as enough clean water for irrigation purposes.

This symposium aims to emphasize the water challenges and solutions that can address the needs of impoverished, remote, and rural regions in both developed and developing countries. The studies covered in this session will include, but are not limited to: (1) water quality and pollution, (2) water treatment technologies and practices, (3) sanitation challenges and issues, (4) water treatment and reuse for food production, (5) energy production vs. water shortage, (6) energy production and water quality, (7) challenges to achieve sustainable water supply, and (8) socially and culturally appropriate water technologies and practices.

Please submit your abstracts to the Environmental Chemistry division at <http://abstracts.acs.org>. The **abstract deadline is March 10, 2014**. All other inquiries should be directed to:

ORGANIZERS:

Kiril Hristovski, Ph.D.
Assistant Professor
Department of Engineering and Computing Systems
College of Technology and Innovation
Arizona State University – Polytechnic Campus
Mesa, AZ 85212, USA
Tel: 1 480 727 1291
Email address: Kiril.Hristovski@asu.edu

Bommanna G. Loganathan, Ph.D.
Professor of Environmental/Analytical Chemistry
Department of Chemistry and WSI
1201 Jesse D. Jones Hall
Murray State University
Murray, KY 42071, USA Phone: (270)-809-3044;
Cell: (270)-978-6907.
E-mail: bloganathan@murraystate.edu

Satinder Ahuja, Ph.D.
President, Ahuja Consulting
1061 Rutledge Court NW
Calabash, NC 28467
Tel: 910 287 7565.
Email: sutahuja@atmc.net

Hessy L. Taft
Department of Chemistry
St John's University
Queens, New York, NY 11439
Phone: (212)-874-2235; Cell (646)-765-5333
Email: htaft@att.net

Jailson B. de Andrade, DSc,
Head, National Institute of Science and Technology
for Energy and Environment,
Instituto de Química, UFBA,
40.170-290, Salvador, Bahia, Brazil
Email: jailsondeandrade@gmail.com

Dionysios (Dion) D. Dionysiou, Ph.D.
Professor of Environmental Engineering and
UNESCO Co-Chair Professor on
Water Access and Sustainability
Department of Biomedical, Chemical and
Environmental Engineering (DBCEE)
705 Engineering Research Center
University of Cincinnati
Cincinnati, OH 45221-0012
Phone (513) 556-0724; Fax (513) 556-4162
Email: dionysios.d.dionysiou@uc.edu

Adrian Parr Ph.D,
Director of the Taft Research Center
UNESCO co-chair of water access and sustainability
University of Cincinnati
Cincinnati OH 45221
Email: parran@ucmail.uc.edu