

Advances in Water Treatment Technologies and Approaches

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Abstract

Water treatment technologies play a crucial role in the production of safe drinking water for human consumption. With changes in policy and regulations in response to advances in scientific knowledge, there is a continual need for assessment and advancement in technologies to satisfy the requirements of those changes. The advances can be in the form of brand new approaches or technologies or variants of existing technologies that improve their performance, reliability or economics of operation. Approaches that simplify the monitoring and control of treatment processes are also an important contributions in this effort.

The session focus would include, but is not limited to, the following:

- Policy and regulations – treatment technologies assessment and research needs identification, emerging issues
- Advances in water treatment technologies – performance and benefits, upcoming trends
- Approaches for better monitoring, management, and operation of water treatment processes