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# Preface

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This issue contains the extended versions of papers presented at the 1st International Conference on Lake Sustainability recently held at the Wessex Institute of Technology (WIT) campus in the New Forest. The meeting is a natural link in the chain of sustainability conferences that WIT arranges every year. Revised versions of selected papers presented at the conference are published in one of two issues.

The conference attracted a wide spectrum of presentations focusing on lake sustainability and many up-to-date aspects of lake management and limnology are covered by the fifteen papers selected for publication:

## **Part I** (previous issue)

- Structurally Dynamic Models of Lakes
- Ecodynamic Assessment of the Submerged Aquatic Vegetation in Lake Okeechobee, Florida, under Natural and Anthropogenic Stress
- Assimilative Capacity Modeling using Integrated Watershed and Lake Models in Support of the Georgia Comprehensive State-wide Water Management Plan
- Fish-Based Assessment of the Ecological Status of the Kis-Balaton – Balaton Reservoir – Lake System, Hungary
- Small Scale Best Management Practices (BMPS) to Protect Lake Water Quality
- Outlet Work Optimization in Flood Control Reservoirs
- Monitoring of Transnational Lakes using Geomatic Techniques: A Case Study for Prespa Lakes
- Some Ecological Effects of Underwater Self Explosion of Ammunition in Lake Lomtjärn Sweden – The Impact from Mercury

## **Part II** (this issue)

- Maritime Antarctic Lakes as Sentinels of Climate Change
- Socio Ecological Barriers to Adaptive Management of Lake Fuquene Colombia
- Socioeconomic Versus Natural System in a Dynamic Lake Landscape: A Case Study of Jeziorak Lake in Poland
- Physical Circulation and Spatial Exchange Dynamics in a Shallow Floodplain Wetland

- Worldwide Environmental Threats to Salt Lakes
- Water Quality Modelling using Artificial Intelligence Based Tools
- Prediction of Water Quality Parameters in Reservoir using Artificial Neural Networks

The 15 papers draw an excellent picture of the recent development in lake modelling, limnology of lakes and lake management. I trust that the readers will find useful the sustainability image of lakes that these two special issues of the Design & Nature and Ecodynamics Journal are presenting.

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