

Special Issue: Water Engineering and Management in a Changing Environment

A. Cancelliere · G. Rossi 1619

Dimming/brightening in Athens: Trends in Sunshine Duration, Cloud Cover and Reference Evapotranspiration

G. Kitsara · G. Papaioannou · A. Papathanasiou · A. Retalis 1623

Optimal Management of an Overexploited Aquifer under Climate Change: The Lake Karla Case

P. Sidiropoulos · N. Mylopoulos · A. Loukas 1635

Water Management of Irrigation Dams Considering Climate Variation: Case Study of Zayandeh-rud Reservoir, Iran

M. Moghaddasi · S. Araghinejad · S. Morid 1651

Regional Drought Modes in Iran Using the SPI: The Effect of Time Scale and Spatial Resolution

T. Raziei · I. Bordi · L.S. Pereira 1661

Large Scale Probabilistic Drought Characterization Over Europe

B. Bonaccorso · D.J. Peres · A. Cancelliere · G. Rossi 1675

Diagnosing Causes of Water Scarcity in Complex Water Resources Systems and Identifying Risk Management Actions

F. Martin-Carrasco · L. Garrote · A. Iglesias · L. Mediero 1693

Methods to Assess Costs of Drought Damages and Policies for Drought Mitigation and Adaptation: Review and Recommendations

I. Logar · J.C.J.M. van den Bergh 1707

Using the Meteorological Information for the Regional Rainfall Frequency Analysis: An Application to Sicily

S. Gabriele · F. Chiaravalloti 1721

Identification of the SCS-CN Parameter Spatial Distribution Using Rainfall-Runoff Data in Heterogeneous Watersheds

K.X. Soulis · J.D. Valiantzas 1737

Dam- Breach Hydrograph Modelling: An Innovative Semi- Analytical Approach

G. Tsakiris · M. Spiliotis 1751

A Numerical Model of the Wave that Overtopped the Vajont Dam in 1963

S. Bosa · M. Petti 1763

Water Costs Allocation in Complex Systems Using a Cooperative Game Theory Approach

G.M. Sechi · R. Zucca · P. Zuddas 1781

Tariffs and Cost Recovery in Water Reuse

M. Molinos-Senante · F. Hernandez-Sancho · R. Sala-Garrido 1797

**Incorporating Non-market Benefits of Reclaimed Water into Cost-Benefit Analysis:
A Case Study of Irrigated Mandarin Crops in southern Spain**

F. Alcon · J. Martin-Ortega · F. Pedrero · J.J. Alarcon · M.D. de Miguel 1809

**Water Distribution System Reliability Based on Minimum Cut – Set Approach
and the Hydraulic Availability**

S. Yannopoulos · M. Spiliotis 1821

Water Network Protection from Intentional Contamination by Sectorization

A. Di Nardo · M. Di Natale · M. Guida · D. Musmarra 1837

**Multi Objective Simulation-Optimization Approach in Pollution Spill Response
Management Model in Reservoirs**

M. Saadatpour · A. Afshar 1851

Sustainability Issues in Water Management

N.B. Harmancioglu · F. Barbaros · C.P. Cetinkaya 1867