

Water Resources Management

Volume 26 · Number 15 · December 2012

**Assessment on the Approaches Used for Water and Sanitation Programs
in Southern Ethiopia**

S. Baye · H. Kloos · W. Mulat · A. Assayie · G. Gullis · A. Kumie · B. Yirsaw 4295

**Application of Multi-site Weather Generators for Investigating Wet and Dry Spell Lengths
under Climate Change: A Case Study in Southern Taiwan**

H.-W. Tseng · T.-C. Yang · C.-M. Kuo · P.-S. Yu 4311

A Systematic Review of Water Vulnerability Assessment Tools

R. Plummer · R. de Loë · D. Armitage 4327

**Estimation of Daily Pan Evaporation Using Two Different Adaptive Neuro-Fuzzy
Computing Techniques**

H. Sanikhani · O. Kisi · M.R. Nikpour · Y. Dinpashoh 4347

**Regional-Specific Numerical Models of Evapotranspiration Using Gene-Expression
Programming Interface in Sahel**

S. Traore · A. Guven 4367

**Supply–Demand Risk and Resilience Assessment for Household Rainwater Harvesting
in Melbourne, Australia**

C.-H. Wang · J.M. Blackmore 4381

**A Comparative Evaluation of Short-Term Streamflow Forecasting Using Time Series
Analysis and Rainfall-Runoff Models in eWater Source**

D. Dutta · W.D. Welsh · J. Vaze · S.S.H. Kim · D. Nicholls 4397

**Regional Frequency Analysis of Extreme Rainfalls in the West Coast of Peninsular
Malaysia using Partial L-Moments**

Z.A. Zakaria · A. Shabri · U.N. Ahmad 4417

**Development and Application of a Watertable Model for the Assessment
of Waterlogging in Irrigated Semi-arid Regions**

A. Singh 4435

Spatiotemporal Surface–Groundwater Interaction Simulation in South Florida

Y. Chebud · A. Melesse 4449

Monthly Precipitation Forecasting with a Neuro-Fuzzy Model

C. Jeong · J.-Y. Shin · T. Kim · J.-H. Heo 4467

**Penalty-Free Feasibility Boundary Convergent Multi-Objective Evolutionary Algorithm
for the Optimization of Water Distribution Systems**

C. Siew · T.T. Tanyimboh 4485

Groundwater Risk Management Assessment in Arid Regions

Z. Şen 4509

Photocatalytic Degradation of Cuprous Oxide Nanostructures Under UV/Visible Irradiation

P. Sharma · S.K. Sharma 4525

Equitable Waste Load Allocation in Rivers Using Fuzzy Bi-matrix Games

M.R. Nikoo · R. Kerachian · M.H. Niksokhan 4539

Evaluation of Vulnerability to Extreme Climatic Events in the Brazilian Amazonia: Methodological Proposal to the Rio Acre Basin

J.A. Sena · M.A.V. Freitas · D. de Berrêdo · L.C. Fernandes 4553

A Simulation-Based Optimization Model for Flood Management on a Watershed Scale

J. Yazdi · S.A.A. Salehi Neyshabouri 4569

An Integration of Statistics Temporal Methods to Track the Effect of Drought in a Shallow Mediterranean Lake

D. Myronidis · D. Stathis · K. Ioannou · D. Fotakis 4587