Volume 25 · Number 6 · April 2011

Analysis and Contrast of Different Pervious Pavements for Management of Storm-Water in a Parking Area in Northern Spain

E. Gomez-Ullate · E. Castillo-Lopez · D. Castro-Fresno · J.R. Bayon 1525

Genetic Programming for Predicting Longitudinal Dispersion Coefficients in Streams H.Md. Azamathulla · A.Ab. Ghani 1537

Study on an Intelligent Inference Engine in Early-Warning System of Dam Health H. Su \cdot Z. Wen \cdot Z. Wu 1545

Value of Irrigation Water in Guadalquivir Basin (Spain) by Residual Value Method J. Berbel · M.A. Mesa-Jurado · J.M. Pistón 1565

Crop Reference Evapotranspiration: A Discussion of the Concept, Analysis of the Process and Validation N. Katerji · G. Rana 1581

Evaluation of Global Daily Reference ET Using Oklahoma's Environmental Monitoring Network—MESONET W. Liu · Y. Hong · S. Khan · M. Huang · T. Grout · P. Adhikari 1601

Environmental and Resource Costs Under Water Scarcity Conditions: An Estimation in the Context of the European Water Framework Directive

J. Martin-Ortega · G. Giannoccaro · J. Berbel 1615

Analysis of Virtual Irrigation Water. Application to Water Resources Management in a Mediterranean River Basin P. Montesinos · E. Camacho · B. Campos · J.A. Rodríguez-Díaz 1635

Identifying Prominent Explanatory Variables for Water Demand Prediction Using Artificial Neural Networks: A Case Study of Bangkok

M.S. Babel · V.R. Shinde 1653

A Land Surface Zoning Approach Based on Three-Component Risk Criteria for Groundwater Quality Protection A.A. Fadlelmawla · M. Fayad · H. El-Gamily · T. Rashid · A. Mukhopadhyay · V. Kotwicki 1677

Theoretical Perspectives and Empirical Facts on Water Sector Privatization: The Greek Case Against European and Global Trends

S.E. Gialis · A. Loukas · C.S. Laspidou 1699

Towards Sustainable Water Quality: Management of Rainwater Harvesting Cisterns in Southern Palestine A. Al-Salaymeh · I.A. Al-Khatib · H.A. Arafat 1721

Comparability Analyses of the SPI and RDI Meteorological Drought Indices in Different Climatic Zones D. Khalili · T. Farnoud · H. Jamshidi · A.A. Kamgar-Haghighi · S. Zand-Parsa 1737

Application of ANN-Based Streamflow Forecasting Model for Agricultural Water Management in the Awash River Basin, Ethiopia

D.C. Edossa · M.S. Babel 1759

Comparison of the Lumped and Quasi-distributed Clark Runoff Models in Simulating Flood Hydrographs on a Semi-arid Watershed

S. Ghavidelfar · S.R. Alvankar · A. Razmkhah 1775