

Contents

- 209 **Identification of major factors affecting spatial and temporal variation of water quality in Kathmandu Basin, Nepal, using multivariate statistical analysis**
Dhundi Raj Pathak, Ryuichi Yatabe and Netra Prakash Bhandary
- 226 **Water quality assessment of a river basin under fuzzy multi-criteria framework**
Ajit Pratap Singh, R. Srinivas, Sumit Kumar and Sumanta Chakrabarti
- 248 **Drought evolution and driving mechanism analysis in northeast China**
Binbin Huang, Baisha Weng and Xiaohui Zhang
- 263 **Correlation of water quality indicators for coastal marshes**
Matthew Lee Hendrix, Kamal Tawfiq and Gang Chen
- 275 **Comparison of cucumber and watermelon yield and water use in clay pitcher and furrow irrigation methods**
Hossein Malekinezhad
- 286 **Combination of two evolutionary methods for groundwater recharges estimation in semi-arid regions, Northeastern Algeria**
Sabri Berhail, Lahbassi Ouerdachi and Mehdi Keblouti
- 302 **MUSIC for cost optimisation of stormwater treatment systems**
Monzur A. Imteaz and Amimul Ahsan