

Contents

- 101 **Impacts of land use/land cover detection on climate variability of Gumara Watershed, Ethiopia**
Afera Halefom, Asirat Teshome and Ermias Sisay
- 122 **Factors influencing farmers' knowledge about sustainable groundwater management**
Azadeh Bakhshi, Lucio Cecchini, Bahman Khosravi Pour, Mansour Ghanian and Fabio Maria Santucci
- 139 **Identification of flood vulnerable zones in Mahanadi delta based on post-Hirakud historical data**
Anil Kumar Kar, Krishna Kumar Gupta, Joygopal Jena and Dipti Ranjan Jena
- 151 **Modelling the impacts of blue-green infrastructure on rainfall runoff: a case study of Eastern Victoria, Australia**
Zahra Ghofrani, Victor Sposito and Robert Faggian
- 173 **Short-term forecasting of hourly water demands – a Portuguese case study**
B. Coelho and A. Gil Andrade-Campos