

Contents

- 1 **Modelling and sensitivity analysis of river flow in the Upper Indus Basin, Pakistan**
Firdos Khan and Jürgen Pilz
- 22 **Comparison of two statistical climate downscaling models: a case study in the Beijing region, China**
Binbin Guo, Jing Zhang and Tingbao Xu
- 39 **Hydraulic interconnections study of Seropan-Ngreneng-Bribin underground rivers in Gunung Kidul karst area using tracer technique**
Paston Sidauruk, Rasi Prasetio and Satrio
- 54 **Evaluating water productivity of tomato, pepper and Swiss chard under clay pot and furrow irrigation technologies in semi-arid areas of northern Ethiopia**
Amanuel A. Gebru, Alemiea Araya, Solomon Habtu, Tsegay Wolde-Georgis, Daniel Teka and Lucieta Guerreiro Martorano
- 66 **Spatio-temporal analysis of groundwater level in an arid area**
Abbas Alipour, Seyedmostafa Hashemi, Sajad Bagheri Said Shokri and Mojtaba Moravej
- 82 **Status of domestic water supply and prospects of rainwater harvesting in Southeastern Nigeria**
Chidozie Charles Nnaji, George Chijioke Edeh and John Precious Nnam Jr.