SPIS TREŚCI

no. 1

3 Refinement of biomonitoring of urban water courses by combining descriptive and ecohydrological approaches / Michel Lafont, Céline Jézéquel, Anne Vivier, Pascal Breil, Laurent Schmitt, Stephanie Bernoud

13 Hydrie potential of landscape and integrated river basin management in mountain and submontane regions / Tomáš Lepeška

25 Appearance of toxigenic cyanobacteria in two Polish lakes dominated by Microcystis aeruginosa and Planktothrix agardhii and environmental factors influence / Ilona Gągała, Katarzyna Izydorczyk, Aleksandra Skowron, Dorota Kamecka-Plaskota, Karolina Stefaniak, Mikołaj Kokociński, Joanna Mankiewicz-Boczek

35 Nearshore fluctuations in water chemistry, microcystins and coliform bacteria during the ice-free season in Lake Winnipeg, Manitoba, Canada / Eva Pip, Elisa Allegro

45 Overview of limitations, and proposals for improvement, in education and capacity building of Ecohydrology / Carrie J, Rickwood, Edwin M. A. Hes, Yasin AI-zu'bi, Monique G. Dubé


71 Monitoring of organic load in a tropical urban river basin (Cameroon) by means of BOD and oxydability measurements / Gideon Ajeagah, Thomas Njine, Samuel Foto

81 Spread of alien Impatiens glandulifera along rivers invaded at different times / Lenka Maliková, Karel Prach

87 Life history pattern of the Bitterling Rhodeus amarus (Bloch, 1782) in Siahroud River (southern Caspian Sea-Iran) / Rahman Patimar, Taghi Seifi, Amin Farahi, Madjid Ezzati
101 Ecohydrology for Ethiopia - regulation of water biota interactions for sustainable water resources and ecosystem services for societies / Maciej Zalewski, Yohannes Zerihun Negussie, Magdalena Urbaniak

IDENTIFICATION OF PROBLEMS AND REVIEW OF EXISTING KNOWLEDGE
109 Ecohydrological status of Lake Tana - a shallow highland lake in the Blue Nile (Abbay) basin in Ethiopia: review / Etafa Emama Ligdi, Mohssine El Kahloun, Patric Meire
123 Improving management of shoreline and riparian wetland ecosystems: the case of Lake Tana catchment / Ayalew Wondie
133 Landscape management practices for maintenance and enhancement of ecosystem services in a countryside / Andrzej Kędziora
153 A review of the water crisis in Tanzania’s protected areas, with emphasis on the Katuma River-Lake Rukwa ecosystem / Manase Elisa, John Ignase Gara, Eric Wolanski

PROBLEM SOLVING SCIENCE
169 Water and nutrient inputs in rainfall into natural and managed forest ecosystems in south-eastern highlands of Ethiopia / Yeshanew Ashagrie, Wolfgang Zech
183 Dynamics of dissolved nutrients in forest floor leachates: comparison of a natural forest ecosystem with monoculture tree species plantations in south-east Ethiopia / Yeshanew Ashagrie, Wolfgang Zech
191 SWAT based runoff and sediment yield modelling: a case study of the Gumera watershed in the Blue Nile basin / Meqaunint Tenaw Asres, Seleshi B. Awulachew
201 Indiscriminate devegetation under improper farming system: a root cause for surface and underground water and food crisis in Ethiopia / Dechasa Jiru
211 The water resource implications of planned development in the Lake Tana catchment, Ethiopia / Tadesse Alemayehu, Matthew McCartney, Seifu Kebede
223 Integrating aquaculture with traditional farming system: socioeconomic assessment in the Amhara Region, Ethiopia / Berihun Tefera Adugna, Goraw Goshu
231 Spatial and temporal distribution of commercially important fish species of Lake Tana, Ethiopia / Goraw Goshu, Dereje Tewabe, Berihun Tefera Adugna
241 Stoecking based fishery enhancement programmes in Ethiopia / Yared Tigabu
247 Mathematical modelling as a tool for predicting the intensity of eutrophication symptoms based on zooplankton and fish density / Adrianna Wojtal-Frankiewicz, Piotr Frankiewicz
259 Environmental impact of coffee processing effluent on the ecological integrity of rivers found in Gomma woreda of Jimma zone, Ethiopia / Yared Kassahun Kebede, Tesfu Kebede, Fassil Assefa, Aklilu Amsalu
271 A pilot study on anthropogenic faecal pollution impact in Bahir Dar gulf of Lake Tana, northern Ethiopia / Goraw Goshu, Denis Byamukama, Mohammed Manafi, Alexander K. T. Kirschner, Andreas H. Farnleitner
281 Living with environmental health risks - the case of Addis Ababa / Elias Mazhindu, Trynos Gumbo, Tendayi Gondo
287 Spatial analysis of solid waste induced ecological hot spots in Ethiopia: where eco-hydrologists should begin? / Tendayi Gondo, Trynos Gumbo, Emaculate Ingwani, Raymond Makhanda
297 Assessment of soil erosion processes and farmer perception of land conservation in Debre Mewi watershed, near Lake Tana, Ethiopia / Assefa D. Zegeye, Tammo S. Steenhuis, Robert W. Blake, Selamyihun Kidnau, Amy S. Collick, Farzad Dadgari
315 Impact of water harvesting ponds on household incomes and rural livelihoods in Minjar Shenkora district of Ethiopia / Akalu Teshome, Enyew Adgo, Bancy Mati

SHORT COMMUNICATIONS
325 A preliminary survey of the ecohydrological management challenges faced by Lake Gudera, Sekela woreda, West Gojjam, Ethiopia / Miheret Endalew, Goraw Goshu, Wondie Zelalem
333 Fishing activities in Gendwuha, Guang, Shinfia and Ayima rivers in Tekeze and Abbay basins, Ethiopia: preliminary study / Dereje Tewabe, Abebe Getahun, Esthete Dejen
341 The general information about the impact of water hyacinth on Aba Samuel Dam, Addis Ababa, Ethiopia: Implications for ecohydrologists / Emaculate Ingwani, Trynos Gumbo, Tendayi Gondo
347 RNA/DNA ratio as an indicator of the impact of long-term accumulative contamination for the assessment of river degradation - a pilot study / Joanna Mankiewicz-Boczek, Zbigniew Kaczkowski, Maja Godowska, Maciej Zalewski
355 Application of permeable reactive barrier for reduction of nitrogen load in the agricultural areas - preliminary results / Agnieszka Bednarek, Małgorzata Stolarska, Marek Ubraniak, Maciej Zalewski
363 Ecohydrological systemic solutions for reduction of siltation, eutrophication and dioxin-induced toxicity. The pilot study of the Asella BioFarm Park lake, Ethiopia / Maciej Zalewski, Magdalena Urbaniak, Yohannes Zerihun Negussie

Oprac. BPK