The proceedings contain 170 papers. The topics discussed include: maximum entropy method for flood frequency analysis: a case study of the Grand River in Ontario, Canada; ecological and geochemical impact of an underground colliery waste discharge to a river; geochemical impact of urban development on fragile freshwater wetlands; greywater reuse in the water-scarce gulf region; assessment of the external effects of car use in urban and rural areas of modern Russia; degradation of metformin in water using electro-fenton process; and optimization of ultrasound irradiation for palm oil mill effluent.