

Contents:

Flood risk maps and flood hazard maps in the river basin Olšava

Marcela Gergeľová, Žofia Kuzevičová, Juraj Gašinec, Jana Sabolová, Štefan Kuzevič..... 7

Proposal of a method enabling an assessment of the effect of linear erosion control measures on surface runoff parameters in a small catchment

Jakub Feltl, Petr Doležal 15

Current stage of green roofs and living walls as an urban ecosystem in sustainable development

Zuzana Poórová, Zuzana Vranayová 23

Design of parameters for river surfing wave

Tomáš Andrásy 28

Research of groundwater flow in flood situation at Sihot' island

Tomáš Andrásy, Dana Baroková 34

Mathematical modelling of flow of water

Ivan Valachovič, Radomil Květon 40

Verification of cyclic CBR test with constant stress

Maialen Arbide, Lenka Švelcová 43

Effective modulus from cyclic CBR test

Xabier Rivera Sevilla, Lenka Švelcová 48