CONTENTS

Oksana Shkvirko, Ruslan Grechanik, Myroslav Malovanyy, Ivan Tymchuk, Oleg Nagurskyy, Wojciech Lutek Evaluation of the influence of encapsulated mineral fertilizers

Evaluation of the influence of encapsulated mineral fertilizers on plant growth kinetics

8 Vira Sabadash, Jaroslav Gumnitsky, Oleg Konovalov

Research and modeling kinetics ion exchange interactions

14 Olha Shomko, Iryna Davydova

Assessment of forest vegetation potential of reclaimed areas after ilmenite mining using the remote earth sensing method

21 Oksana Liuta, Ivan Tymchuk, Myroslav Malovanyy, Tsitsino Turkadze

Education in the field of climate change adaptation as an integral part of achieving sustainable development goals

28 Ruslana Valerko, Liudmyla Herasymchuk, Iryna Patseva, Boqdan Gnatuk

Assessment of the ecological state of rural settlements by indicators of drinking water quality in the context of sustainable development

35 Olha Pylypovych, Andriy Mykhnovych, Yuriy Andreychuk, Uliana Morozovs'ka

Influence of the small hydropower stations on the hydrologic processes in the Seret River (left tributary of the Dnister River)

43 Hanna Kireitseva, Vaida Šerevičienė, Iryna Zamula, Viktoriia Khrutba

Internal and external factors of use and conservation of water resources in Zhytomyr region

51 Illia Tsyhanenko-Dziubenko, Vaida Šerevičienė, Volodymyr Ustymenko

Dissecting biochemical mechanisms that mediate tolerance to military chemical stressors in diverse malacological systems

59 Nataliia Latsyk, Ihor Petrushka

Improvement of the system for cleaning dust gas flows using an aerodynamic insert