CONTENTS

97 Vasyl Dyachok, Viktoria Kochubei, Serhiy Huhlych

Production of biofuel based on the transformations of greenhouse gases

104 Angelina Chugai, Maksym Nedostrelov, Wojciech Lutek

Assessment of technogenic load on the air basin of the Western Ukraine regions

110 Zhang Le, Andrii Polyvianchuk

Application of denitrification technology in flue gas treatment of coal-fired boiler

119 Vladyslav Parakhnenko, Vitaly Honcharuk

Methodology and organization of environmental research in the system of landscape ecology and radioecological monitoring of territories contaminated with radionuclides

127 Oleksandra Krykhovets, Vyacheslav Repeta, Inna Ivashchenko

Monitoring of spring water quality

135 Illia Tsyhanenko-Dziubenko, Hanna Kireitseva, Olha Shomko, Volodymyr Gandziura, Iskander Khamdosh

Analytical assessment of heavy metals polyelement distribution in urbanized hydroecosystem components: spatial differentiation and migration patterns

145 Diana Hostieva, Ganna Trokhymenko, Yuliia Chestnykh

Results of comparative bacteriological assessment of drinking water from different points of delivery in the city of Mykolaiv and possibilities of additional water disinfection under field conditions

156 Sun Xiaodong, Vitalii Ishchenko, Stepan Polyvanyi

Environmental impact and flows of waste batteries in China

168 Myroslav Malovanyy, Antonov Mykyta, Tetiana Shpyrko

Comprehensive review of problems, international trends and strategic approaches to solving the problem of forecasting climate parameters in the context of adaptation to climate change

182 Adrian Kindzera, Bogdan Kshyvetskyy, Diana Kindzera

Use of thermally modified wood after the end of its service life as a raw material for fuel pellet production

191 Vira Sabadash, Anna Nowik-Zajaç, Jaroslaw Gumnitsky

Adsorption of Pb²⁺ and Zn²⁺ ions from aqueous solutions with natural zeolite