CONTENTS

CHEMICAL AND TECHNOLOGICAL SYSTEMS

6 Consideration of the possibility of large-scale plasma-chemical production of nanosilicon for lithium-ion batteries
Stanislav Petrov, Serhii Bondarenko, Koichi Sato

15 Application of varieties of technogenic raw materials in cement technology
Nataliia Derogan, Petro Varshavets, Lev Chernyak, Oleg Shnyruk

ECOLOGY AND ENVIRONMENTAL TECHNOLOGY

22 Evaluation of the effect of industrial enterprises on the atmosphere and efficiency evaluation of environmental protection on the example of Prydniprivska thermal power plant
Dmytro Makarenko

26 Development of a method of utilization of oil and gas industry waste at Pereshchepeyno field (Ukraine)
Olena Mykhailovska, Mykola Zotsenko, Vladislav Kulik

FOOD PRODUCTION TECHNOLOGY

31 Research of consumer properties of organic oils
Alina Tkachenko

36 Study on the effect of antioxidants on the quality and antioxidants capacity of duck sausages
Feifei Shang, Tetiana Kryzsha, Zhenhua Duan

43 Optimization of heat-moisture treatment on potato starch and study on its physicochemical properties
Chunli Deng, Oksana Melnyk, Yanghe Luo

50 Abstracts and References

58 Анотації