

## CONTENTS

A. C u l, T. K o m o r o w i c z, K. K u p i e c: Heat transfer between man and surroundings in cold microclimate .....	3
M. G a l i c a, D. B o g d a ł: Aggregation-induced emission enhancement of optically active copolymers .....	15
P. G i l e w i c z, B. T a l - F i g i e l, W. F i g i e l, M. K w i e c i e n: Modern solutions within the scope of the preparation and quality control of emulsions systems .....	25
M. G w a d e r a, K. K u p i e c: Application of monte Carlo method for determination of multiple reactions kinetic curves .....	41
R. J a s i ń s k i, M. M i k u l s k a, J. S o c h a, A. B a r a ń s k i: Regio-and stereoselectivity of [2+3] cycloaddition of $\alpha$ -substituted nitroethenes with 1,3-dipoles propargyl-allene and allyl type .....	53
W. K a s p r z y k, M. G a l i c a, S. B e d n a r z, D. B o g d a ł: Application of $\text{Na}_{12}[\text{WZn}_3(\text{H}_2\text{O})_2][\text{ZnW}_9\text{O}_{34}]$ polyoxometalate as a catalyst in oxidation of alcohols under microwave irradiation .....	65
J. K u c, A. G r o c h o w a l s k i: Isolation of hexabromocyclododecane from fat matrix using size exclusion chromatography .....	73
J. K w a ś n y, M. B a n a c h, Z. K o w a l s k i: Technologies of biogas production from different sources – a review .....	83
T. M a j k a, K. P i e l i c h o w s k i, A. L e s z c z y ń s k a, M. S t a r a k i e w i c z: The influence of The mold temperature on the properties of polyamide composites .....	103
D. M a l i n a, A. S o b c z a k - K u p i e c, B. T y l i s z c z a k, K. B i a l i k - W ą s, Z. W z o r e k: Propolis – beekeeping medicinal product .....	115
M. M a r s z a ł e k, Z. K o w a l s k i, A. M a k a r a: Separation of pig slurry using sedimentation and pressurized filtration .....	125
K. M i t k a, J. S t a r y ń s k a: Synthesis of fragrances – derivatives of aldehydes .....	135
A. P a b i ń s, A. K o s z u t: Heat pipes – principle of operation, construction, applications .....	149
A. P a b i ń s, A. K o s z u t, K. S z u f n a r o w s k a: Laboratory stand-up for heat transfer intensity assessment in case of low temperature heat pipes .....	163
U. P i s a r e k, M. G a l i c a, D. B o g d a ł: Controlled free radical polymerization of methacrylates containG carbazole and cumarin pendant groups .....	175
J. S o c h a, M. J a b ło n s k a, K. G o ł ą b, M. M i k u l s k a, R. J a s i ń s k i, A. B a r a ń s k i: Synthesis of nitrones .....	183
B. T a b i ń s, S. S k o n e c z n y: Modeling of biofilm structure using cellular automaton .....	209