

CONTENTS

P. CYPLIK, K. CZACZYK, A. PIOTROWSKA-CYPLIK, R. MARECIK, W. GRAJEK, Removal of nitrates from brine using <i>Haloferax mediterranei</i> archeon	5
M. ŻYGADŁO, M. WOŹNIAK, Processes of coal fly ash weathering in waste deposits	17
S. SATORA, A. WALĘGA, Variation of the distribution of selected constructional and hydrogeological parametres of drilled wells	31
A. MAGDZIARZ, Coal combustion in the mixture of O ₂ /CO ₂	39
E. KOWALSKI, J. MAZIERSKI, J. SUSCHKA, The effect of a support material on the nitrification rate in biofilm reactors	45
J. GRZECHULSKA-DAMSZEL, Preparation and characterization of titania coating used as a photoactive refill in the process of water purification	63
W. DĄBROWSKI, R. BUCHTA, B. DĄBROWSKA, R.I. MACKIE, Calcium carbonate equilibria in water supply systems	75
H. MERDUN, Ö. ÇINAR, Artificial neural network and regression techniques in modelling surface water quality	95
J. KUROPKA, Reduction of nitrogen oxides from boiler flue gases	111
A. MUSIALIK-PIOTROWSKA, W. KORDYLEWSKI, J. CIOŁEK, K. MOŚCICKI, Characteristics of air pollutants emitted from biomass combustion in small retort boiler	123
I. SÓWKA, Assessment of air quality in terms of odour according to selected European guidelines: grid and plume measurements	133
J. RYBAK, W. SADŁEK, Ecological impact of a dam on benthic macroinvertebrates in montane rivers of Lower Silesia	143
T. A. MARCINKOWSKI, Effect of alkalization process on changes in the chemical composition of secondary sludge	153