
DESALINATION OF SEAWATER FOR OYSTER FARMING 9

H. Petráňová, L. Vaclavík

INFLUENCE OF OPERATING PARAMETERS ON WATER TRANSPORT IN ELECTRODIALYSIS 10

K. Zedníčková, N. Václavíková

IMPLEMENTATION OF HYBRID MEMBRANE TECHNOLOGIES FOR THE TREATMENT AND REUSE OF WASTE WATER FROM DEMINERALIZATION UNITS 11

J. Filák, M. Grošík

OPTIMIZING NANOFILTRATION FOR SUSTAINABLE PHARMACEUTICAL WASTEWATER TREATMENT USING RESPONSE SURFACE METHODOLOGY AND ARTIFICIAL NEURAL NETWORKS 13

N. Ezeogu, J. Cuhorka, P. Mikulášek

PHOTOCATALYTIC MODIFIED MEMBRANE FOR EFFICIENT REMOVAL OF CECS 15

H. Taghavian, A. Kulkarni, L. Dvorak

OPTIMISATION OF COMMERCIALY AVAILABLE NANOFILTRATION MEMBRANES PERFORMANCE IN THE SEPARATION OF SELECTED MEDICINAL RUGS 16

O. Anike, J. Cuhorka, P. Mikulášek

ELECTRIC-FIELD-ASSISTED SEPARATION OF ENANTIOMERS USING CHIRAL MEMBRANES 19

J.P. Jíša, J. Čížek, P. Izák

THE EFFECT OF MAGNETIC FIELD ON ENANTIOMERIC SEPARATION VIA MEMBRANES 20

Z. Rudolfová, P. Izák, J. Čížek, P. Stanovský

DEVELOPMENT OF CHIRAL MEMBRANES FOR ENANTIOSELECTIVE SEPARATIONS 22

J. Čížek, P. Izák

**REMOVAL OF PHARMACEUTICALS FROM BIOLOGICALLY TREATED
WASTEWATER** **23**

T. Dufek, S. Vrchovecká, T. Lederer, N. Klamerth

**IONIC LIQUIDS, CARBON AND POLYMER HYBRIDS: BREAKING THE ROBESON
BARRIER IN MEMBRANE TECHNOLOGY** **25**

J. Schneider, J. Floreková, P. Izák, K. Friess

CYCLODEXTRIN POLYMERS FOR WATER PURIFICATION **26**

P. Konopáčová, C. Hobbs, M. Řezanka

**SEPARATION OF ENANTIOMERS BY MEMBRANE PROCESSES AND THE
INFLUENCE OF MAGNETIC FIELD** **27**

O. Hlaváček, P. Izák, J. Čížek

**COMPARISON OF LOW-RESISTANCE ION-EXCHANGE MEMBRANES IN
ELECTRODIALYSIS FROM THE PERSPECTIVE OF ENERGY CONSUMPTION** **28**

M. Škrhák, N. Václavíková

THERMAL STABILIZATION OF NANOFIBROUS ION-EXCHANGE COMPOSITES **29**

F. Umlauf, S. Nevyhoštěný

**UTILIZATION OF PRESSURE AND ELECTRO-DRIVEN MEMBRANE PROCESSES
FOR INDUSTRIAL WASTEWATER TREATMENT INCLUDING PRE-TREATMENT** **30**

A.S. Oualah, M.J. Martin Alfonso, L. Šeda, H. Fárová, V. Kúdelová

LIST OF PARTICIPANTS **32**
