

Table of Contents

E. Ágoston-Szabó, M. Dinka: Chemical properties of the sediment interstitial water at lake Fertő/Neusiedler See	5
H. J. Bavor: Applications of constructed wetlands in recycling, agriculture and agroforestry: water management for changing flow regimes	8
J. Brom, J. Procházka, J. Pokorný: Wetlands effects on temperature regime in landscape	9
C. Craft, S. Sutton: Water quality improvement functions of tidal freshwater floodplain forests (USA)	12
K. Diáková, J. Šíma: Redox processes of sulfur in a constructed wetland	14
V. Dias: Advanced compact wastewater treatment for nutrient removal based on coagulation and aerated floating treatment wetlands assisted by moving bed biofilm processes	15
G. Du Laing, T. Hanssen, F.M.G. Tack and M. G. Verloo: Role of carbonates in metal mobilisation upon oxidation of sulphidic, sandy wetland substrates	16
J. Dušek, T. Pícek: Diel fluctuations of redox potential in a horizontal subsurface flow constructed wetland for wastewater treatment	20
K. R. Edwards, M. Káplová and J. Květ: Biomass, net production and mineral nutrients in the vegetation of a wet grassland (Třeboň basin BR, Czech Republic).....	23
N. Fonder, T. Headley: A revised system of nomenclature for treatment wetlands	28
R. Harrington: Integrated Constructed Wetlands	32
T. Headley, L. Davison, D. Huett, R. Müller: Evapotranspiration from pilot-scale horizontal subsurface flow <i>Phragmites Australis</i> wetlands in sub-tropical and temperate climates	33
P. Hesslerová, J. Pokorný: Effect of mau forest clear cut on temperature distribution and hydrology of catchment of lakes Nakuru and Naivasha.....	36
H. Huryna, J. Pokorný: Comparison of reflected solar radiation, air temperature and relative air humidity in different ecosystems (from fish pond and wet meadows to concrete surface).....	40
P. Knowles, P. Griffin and P. Davies: A finite element approach to modelling the hydrological regime in horizontal subsurface flow constructed wetlands for wastewater treatment	44

M. Kõiv, I. Ostonen, Ch. Vohla, R. Mõtlep, M. Liira, K. Lõhmus, K. Kirsimäe, Ü. Mander: Reuse of phosphorus-rich filter materials from experimental soil filters as fertilizers.....	47
L. Kröpfelová and J. Vymazal: Nutrient accumulation by <i>Phragmites Australis</i> and <i>Phalaris Arundinacea</i> growing in constructed wetlands for wastewater treatment.....	51
J. Květ, Š. Husák and I. Ostrý: Mineral composition of littoral plant communities of the Nesyt fishpond (Lower Morava Biosphere Reserve, Czech Republic).....	54
R. Laiho: What is the rate of organic matter decomposition in drained peatlands?	57
G. Langergraber: Process based models for subsurface flow constructed wetlands	58
C. Murphy, D. Cooper: The evolution of horizontal sub-surface flow reed bed design for tertiary treatment of sewage effluents in the uk.....	61
J. Nivala and S. Wallace: Treatment of landfill leachate in aerated subsurface-flow wetlands: two case studies	63
H. Obarska-Pempkowiak, M. Gajewska, E. Wojciechowska: Sub-surface vertical flow wetland for high-stretch wastewater treatment -preliminary results	66
H. Obarska-Pempkowiak, M. Gajewska, E. Wojciechowska: Conception of hydrophite beds for single household- different approaches	69
G. Reeb, S. Liey: Compared performances, ageing and ecobalance data of four types of constructed wetlands treating raw sewage	72
D.P.L. Rousseau, S.A.A.E. Saleh, B.Ch. Sekomo and P.N.L. Lens: Duckweed and algal-based ponds as a post-treatment for metal removal from textile wastewater.....	76
M. Rozkošný: Treatment efficiency of the natural and constructed wetlands used for water quality enhancement in the South Moravia region (Czech Rep.)	79
N. Tadina, A. Gaberščik: Water regime changes and the function of intermittent lake Cernika	82
N. Tadina, N. Šraj, P. Pongrac, M. Regvar, A. Gaberščik: The presence of mycorrhiza in different habitats of an intermittent aquatic ecosystem	84
E. Uggetti, A. Pedescoll, E. Llorens, I. Ferrer, R. Castellnou, J. Molist and J. García: Treatment of sludge by means of drying reed beds: technical aspects.....	87
J. Vymazal: Constructed wetlands in the czech republic: 20 years of experience.....	89
S. Wallace, D. Austin: Emerging models for nitrogen removal in treatment wetlands	92