

THEME 3 : AGRICULTURE		Paper no.
DIFFUSE POLLUTION MANAGEMENT IN THE CZECH REPUBLIC AT THE EXAMPLE OF SELECTED WATERSHEDS CASE STUDY.	Holas, J. Klir, J.	1
BUFFER ZONES AS A SINK FOR SEDIMENT AND PHOSPHORUS BETWEEN THE FIELD AND STREAM: DANISH FIELD EXPERIENCES	Kronvang, B., Laubel,A., Larsen, S.E., Andersen, H.E. and Djurhuus, J.	2
COLD-CLIMATE VEGETATIVE BUFFER ZONES AS PESTICIDE-FILTERS FOR SURFACE RUNOFF	Syversen,N.	3
EFFECTS OF GRASSED BUFFER STRIP MANAGEMENT ON POTENTIAL DENITRIFICATION IN A BELGIAN AGRICULTURAL WATERSHED	Cors, M. and Tychon, B.	4
DRAINAGE DITCHES AS SINKS FOR ATTENUATING N AND P POLLUTANTS FROM DAIRY FARMS	Sukias,J., Long N., Nagels, J. and Reeves, P.	5
STRATEGIC MANAGEMENT OF NON-POINT SOURCE POLLUTION FROM SEWAGE SLUDGE:	Burke, S., Heathwaite, L., Quinn,P., Merrett,S., Whitehead,P. Preedy, N., LernerD., and Saul, A.	6
DETERMINING HYDROLOGICAL PATHWAYS FOR THE TRANSFER OF POTENTIAL PATHOGENS FROM GRASSLAND SOILS TO SURFACE WATERS	Oliver, D.M, Clegg,C.D. Haygarth, P.M. and Heathwaite, A.L.	7
DIFFUSE POLLUTION FROM LIVESTOCK FEEDING IN CHINA.	Wang, X	8
MANAGING DIFFUSE SOURCES OF NUTRIENTS FROM IRRIGATION AREAS – EXPERIENCES FROM THE GOULBURN BROKEN CATCHMENT, AUSTRALIA	Feehan, P. and Plunkett, R.	9
THE IMPACT OF AGRICULTURAL MANAGEMENT PRACTICES ON NUTRIENT LOSSES TO WATER:DATA ON THE EFFECTS OF SOIL DRAINAGE CHARACTERISTICS	Kurz, I., Tunney, H. and Coxon, C.E.	10
AGRICULTURAL DIFFUSE POLLUTION ABATMENT STRATEGIES IN LOMBARDY (ITALY)	Provolo G.,and Riva E.	11
A STATISTICAL APPROACH TO ESTIMATE NITROGEN SECTORIAL CONTRIBUTION TO TOTAL LOAD	Grizzetti,B., Bouraoui,F., de Marsily, G., and Bidoglio, G.	12
FUZZY RULE BASED MODEL FOR ESTIMATING AGRICULTURAL DIFFUSE POLLUTION	Binoy A. M. and Mujumda, P.P.	13
AN EARTH SYSTEMS ENGINEERING APPROACH TO THE DIRECT MANAGEMENT OF RUNOFF FLOW PATHS AND NUTRIENT REMEDIATION AT SOURCE	Quinn, P. and Hewett,, C.	14
INACTIVATION OF E. COLI IN RIPARIAN AND NON-RIPARIAN SOILS	Sukias, J.P.S. and Long Nguyen, M.	15
MODELING SEASONAL EXPORT AND RETENTION OF NUTRIENTS IN EUROPEAN CATCHMENTS.	De Klein, J. J.M.,	16
ACHIEVING MICROBIOLOGICAL COMPLIANCE OF BATHING WATERS INFLUENCED BY LIVESTOCK INPUTS: REDUCE STOCKING LEVELS OR IMPROVE MITIGATION MEASURES?	Vinten,A.J.A. McGechan,M., Duncan,A., Aitken,M., Hill, C, Crawford,C. and Lewis, D.L.	17
SIMULATION OF ATRAZINE RUNOFF AND LEACHING FOR SOUTHWESTERN NEBRASKA FOR THE PERIOD 1986 TO 1999	Adelman, D.D.	18
THE GEOGRAPHIC DISTRIBUTION OF HISTORICAL CHANGES IN EXCESS AGRICULTURAL NITROGEN AND STREAM BASEFLOW IN AN INTENSIVELY CROPPED REGION OF THE UNITED STATES.	Burkart,M., Schilling,K., James D.and Liebman, M.	19
MODEL ANALYSIS FOR NITROGEN EFFLUENT FROM UPLAND FIELD CONSTRUCTED WITH UNDER-DRAIN	ShirataniI, E., Yoshinaga, I. and Singh, R.K.	20
EVALUATION of RISK POTENTIAL of PAHs and PESTICIDES in SOILs	Ono, Y., Sekiguchi M., and Nagashima, H.	21
MASS BALANCE ANALYSIS AND WATER QUALITY MODEL DEVELOPMENT FOR LOADING ESTIMATES FROM PADDY FIELD	Ji-Hong Jeon, Chun G. Yoon, Jong-Hwa Ham, and Ha-Sun Hwang,	22
OPTIMISATION MODELS FOR REDUCTION OF EFFLUENT LOAD FROM PADDY FIELD BY RECYCLING USE OF WATER	Singh, R. K., Shiratani, E. , Yoshinaga, I. and Hasabe, H.	23
HOW MUCH DOES DIFFUSE POLLUTION AFFECT AN AQUATIC ECOSYSTEM	Nakasone,H., Kuroda,H. and Kato, T.	24
SYNTHETIC- AND BIO-POLYMER USE FOR RUNOFF WATER QUALITY MANAGEMENT IN IRRIGATED AGRICULTURE	Sojka, R.E., Entry, J.A., Orts, W. J., Morishita, D. W., Ross, C.W. and Horne, D.J.	25

PREDICTING THE EFFECTS OF CLIMATE CHANGE ON THE SEDIMENT YIELD OF WATERSHEDS	Albek,M and Albek, E.	26
RAINFALL RELIABILITY FOR CROP PRODUCTION A CASE STUDY IN UGANDA	Rugumayo, A.I., Kiiza, N. and Shima, J.	27
QUALITY CONTROL AND QUALITY ASSURANCE OF SUBSURFACE DRAINAGE PROJECTS IN EGYPT	Sallam, G.A.H.	28
EFFECT OF AQUACULTURE EFFLUENT AND TREATED WASTEWATER ON WATER USE EFFICIENCY OF WHEAT CROP IN SAUDI ARABIA	Al-Jaloud, A.A. and Hussain, G.	29
ASSESSMENT OF ENVIRONMENTAL IMPACTS FOLLOWING ALTERNATIVE AGRICULTURAL POLICY SCENARIOS	Bärlund,I., Lehtonen, H. and Tattari, S.	30
A PHOSPHORUS INDEX FOR NORWAY: JUSTIFICATION OF FACTOR	Bechmann, M.E, Krogstad, T and Sharpley, A.N.	31
THE EFFECT OF THE REDOX-POTENTIAL ON THE RETENTION OF PHOSPHORUS IN A SMALL CONSTRUCTED WETLAND	Braskerud,B.C., HartnikT., and Løvstad, Ø.	32
RELATIONSHIPS BETWEEN STREAMWATER E. COLI CONCENTRATIONS AND ENVIRONMENTAL FACTORS IN NEW ZEALAND	Collins, R.	33
MODELLING PHOSPHOROUS LOSS FROM AGRICULTURE CATCHMENTS: A COMPARISON OF THE PERFORMANCE OF SWAT, HSPF AND SHETRAN FOR THE CLARIANNA CATCHMENT	Nasr,A., l Bruen,M., Parkin, G., Birkinshaw, S., Moles R. ,and Byrne, P.	34
SIMULATION ANALYSIS ON POLLUTION BEHAVIOUR IN RICE PADDY FIELDS AROUND AKANOI BAY OF LAKE BIWAY, JAPAN	Ichiki, A., Kamimura, K. and Okubo, T.	35