

Topic 1 - Modelling & Simulation

POSTER CODE	TITLE	AUTHORS
P01	Experimental validation of the temperature and concentration gradients of a 3D CFD AGMD Heat and Mass transfer Model	Marie-Alix Dalle; Kerstin Cramer; Mithat Basli; Sephan Leyer
P02	Combining mechanistic and data-driven techniques for predictive modelling of wastewater treatment plants	W., Quaghebeur; B., De Jaeger; B., De Baets; I., Nopens

Topic 2 - Water management and sustainability

POSTER CODE	TITLE	AUTHORS
P03	Using spectral based surrogate measurements to monitor the combination of biological treatment and adsorption for landfill leachate treatment -C. Shao	C. Shao; Y. Yang; Y. Guo; Z. Liu; K. Demeestere; S. W. H. Van Hulle
P04	Surrogate based exploration of the removal behaviour of organic matter in landfill leachate during combined adsorption-ozonation	Y. Y. Yang; C. J. Shao; K. Demeestere; S. W. H. Van Hulle
P05	Developing a quick scan tool to evaluate added benefits of sustainable drainage systems	Michiel De Meyere; Karolien Dewulf
P06	The presence of Antibiotic Resistance Genes in surface water for drinking water production, after drinking water treatment processes and in the distribution network	Louise. Vanysacker; Luc. M. Hornstra; Hans Goossens; Gertjan Medema
P07	Safe and sustainable drinking water supply using an improved solar distillation process	M.,Jobrane, A.,Kharroubi, A.,Kahn, A.,Kopmeier, C.,Penny

Topic 3 - Advanced wastewater treatment processes

POSTER CODE	TITLE	AUTHORS
P08	Silicon carbide coated ceramic membrane for water treatment	M.L. Chen; S.G.J. Heijman
P09	Ozone-based regeneration of granular zeolites loaded with CECs	Mingyan Fu; Mingjing He; Bas Heijman; Jan Peter van der Hoek
P10	A Sustainable Remineralisation Process for Reverse Osmosis Permeate: Cation exchange	A.A.M. Abusultan1, J.A. Wood, T. Sainio, A.J.B. Kemperman, W.G.J. van der Meer
P11	Concentration polarization of two colloids PEG 6000 and silica in membrane separation	S.Zhang; Y.X.Liang; S.G.J.Heijman
P12	Eco-friendly TiO ₂ -based Magnetic Photocatalyst for Sewage Disinfection under Solar Light	Juhua HE; Irene M. C. LO
P13	Sorptive removal of metal cations from electroplating wastewater using a magnetically separable anionic hydrogel	Mohammad A.H. Badsha; Irene M.C. Lo
P14	Membrane Systems – Save Cost while Ensuring Safe Operation	Jan Koppe

Topic 4 - Biological wastewater treatment

POSTER CODE	TITLE	AUTHORS
P15	Aerobic granular sludge treatment of industrial wastewater derived from meat industry	E.Tsertou, M.Caluwe, J. Dries
P16	Continuous stirred tank reactors in series concept to enhance hydrolysis in anaerobic digestion of waste activated sludge	H. Guo, R. Nair, F. Tonin, J. B. van Lier and M.de Kreuk
P17	Towards understanding the role of amyloid adhesins in activated sludge bioflocculation	An-Sofie Christiaens; Ilse Smets
P18	Different aeration regimes in aerobic wastewater treatment for assessing the electric energy demand.	B., Decostere; J., Van Dierdonck; C., Van der heyden

Topic 5 - Resource recovery

POSTER CODE	TITLE	AUTHORS
P19	Assessing the reuse potential of anaerobically treated domestic wastewater as a nutrient medium through hydroponic Lettuce culture	Eunseok Lee; Prangya Ranjan Rout; Jaeho Bae
P20	WOW! Sewage is valuable!	Z., Frkova; S., Venditti; M.H.M., Lacroix; M.L., Uwizeye; M., Uhrig; H., Steinmetz; J., Hansen
P21	Effects of organic loading of brewery wastewater on EPS formation and harvestability of microbial protein produced in a high-rate activated sludge	G. Papini, R. Palma Fernades, S. Vlaeminck

Topic 6 - Industrial wastewater

POSTER CODE	TITLE	AUTHORS
P22	Preparation of quaternized pine bark for vanadium removal	Ruichi Zhang; Tiina Leiviskä
P23	Fate and distribution of film forming and alkalizing amines in steam-water cycles	Yu Xue; Andrea Mizzi Brunner; Dennis Vughs; Wolfgang Hater; Hans Huiting; Marjolein Vanoppen; Arne Verliefdede.
P24	Assessing water demand outside of the water industry	Sophie Thompson; Chris Hughes; Delme Allan

Topic 7 - Nutrient removal

POSTER CODE	TITLE	AUTHORS
P25	Linking microbial population dynamics to N ₂ O formation in a nitrification-denitrification granular sludge system treating slaughterhouse wastewater	T. Dobbeleers; C. Seguel Suazo; L. Dock; J. Dries
P26	Enhanced nitrogen removal performance in the Anammox system treating low-temperature wastewater by sodium-montmorillonite	Xuetong Yang; Yufeng Lv; Tangran Huo; Liming Chen; Xi Tang; Sitong Liu
P27	Modeling sulfide-based denitrification in a biofilm reactor	Stijn O. Decru; Janis E. Baeten; Yanxiang Cui; Di Wu; Guanghao Chen; Eveline I.P. Volcke;
P28	Aerated granulation and biological phosphate removal in an SBR fed with ethylene glycol as only carbon source	Michel Caluwé, Thomas Dobbeleers, Lennert Dockx, Jan Dries
P29	Enhancement of anoxic phosphorus uptake of denitrifying phosphorus removal process by biomass adaption	Anni Mandel; Ivar Zekker; Taavo Tenno
P30	Operational strategy to mitigate N ₂ O emission in a BNR-AGS system treating meat processing wastewater	H., Stes, S., Aerts, M., Caluwé, J., D'aes, P., De Langhe, L., Dockx, T., Dobbeleers, J., Dries
P31	Analysis and effect of thermal hydrolysis process on conversion rates of deammonification process: A full scale study.	Pavez, J.A.