

Auvinen, Hannele ; Gagnon, Vincent ; Rousseau, Diederik P L ; du Laing, Gijs. / **Fate of metallic engineered nanomaterials in constructed wetlands : prospection and future research perspectives.** In: Reviews in Environmental Science and Bio-Technology. 2017 ; Vol. 16, No. 2. pp. 207-222.

Dessi, Paolo ; Porca, Estefania ; Lakaniemi, Aino-Maija ; Collins, Gavin ; Lens, Piet N.L. / **Temperature control as key factor for optimal biohydrogen production from thermomechanical pulping wastewater.** In: Biochemical Engineering Journal. 2018 ; Vol. 137. pp. 214-221.

Dessi, Paolo ; Chatterjee, Pritha ; Mills, Simon ; Kokko, Marika ; Lakaniemi, Aino-Maija ; Collins, Gavin ; Lens, Piet N.L. / **Power production and microbial community composition in thermophilic acetate-fed up-flow and flow-through microbial fuel cells.** In: Bioresource Technology. 2019 ; Vol. 294.

Di Capua, Francesco ; Milone, Ivana ; Lakaniemi, Aino-Maija ; Hullebusch, Eric D.van ; Lens, Piet N.L. ; Esposito, Giovanni. / **Effects of different nickel species on autotrophic denitrification driven by thiosulfate in batch tests and a fluidized-bed reactor.** In: Bioresource Technology. 2017 ; Vol. 238. pp. 534-541.

Du, Liuliu ; Leivo, Virpi ; Prasauskas, Tadas ; Täubel, Martin ; Martuzevicius, Dainius ; Haverinen-Shaughnessy, Ulla. / **Effects of energy retrofits on Indoor Air Quality in multifamily buildings.** In: Indoor Air. 2019.

Einola, J.-K. M. ; Sormunen, K. M. ; Rintala, J. A. / **Methane oxidation in a boreal climate in an experimental landfill cover composed from mechanically-biologically treated waste.** In: Science of the Total Environment. 2008 ; Vol. 407, No. 1. pp. 67-83.

El-Qelish, Mohamed ; Chatterjee, Pritha ; Dessi, Paolo ; Kokko, Marika ; El-Gohary, Fatma ; Abo-Aly, Mohamed ; Rintala, Jukka. / **Bio-hydrogen Production from Sewage Sludge : Screening for Pretreatments and Semi-continuous Reactor Operation.** In: Waste and Biomass Valorization. 2019.

Eregowda, Tejaswini ; Matanhike, Luck ; Rene, Eldon R. ; Lens, Piet N.L. / **Performance of a biotrickling filter for the anaerobic utilization of gas-phase methanol coupled to thiosulphate reduction and resource recovery through volatile fatty acids production.** In: Bioresource Technology. 2018 ; Vol. 263. pp. 591-600.

Franzén, Robert ; Kronberg, Leif. / **Determination of chlorinated 5-methyl-5-hydroxyfuranones in drinking water, in chlorinated humic water, and in pulp bleaching liquor.** In: Environmental Science and Technology. 1994 ; Vol. 28, No. 12. pp. 2222-2227.

Hajdu-Rahkama, Réka ; Ahoranta, Sarita ; Lakaniemi, Aino-Maija ; Puhakka, Jaakko A. / **Effects of elevated pressures on the activity of acidophilic bioleaching microorganisms.** In: Biochemical Engineering Journal. 2019 ; Vol. 150.

Jagadabhi, Padma Shanthi ; Kaparaju, Prasad ; Rintala, Jukka. / **Effect of micro-aeration and leachate replacement on COD solubilization and VFA production during mono-digestion of grass-silage in one-stage leach-bed reactors.** In: Bioresource Technology. 2010 ; Vol. 101, No. 8. pp. 2818-2824.

Jagadabhi, Padma Shanthi ; Kaparaju, Prasad ; Rintala, Jukka. / **Two-stage anaerobic digestion of tomato, cucumber, common reed and grass silage in leach-bed reactors and upflow anaerobic sludge blanket reactors.** In: Bioresource Technology. 2011 ; Vol. 102, No. 7. pp. 4726-4733.

Jokela, J. P Y ; Rintala, J. A. / **Anaerobic solubilisation of nitrogen from municipal solid waste (MSW).** In: Reviews in Environmental Science and Bio-Technology. 2003 ; Vol. 2, No. 1. pp. 67-77.

Kaparaju, P. L N ; Rintala, J. A. / **Effects of solid-liquid separation on recovering residual methane and nitrogen from digested dairy cow manure.** In: Bioresource Technology. 2008 ; Vol. 99, No. 1. pp. 120-127.

- Keskikuru, T. ; Salo, J. ; Huttunen, P. ; Kokotti, H. ; Hyttinen, M. ; Halonen, R. ; Vinha, J. / **Radon, fungal spores and MVOCs reduction in crawl space house : A case study and crawl space development by hygrothermal modelling.** In: Building and Environment. 2018 ; Vol. 138. pp. 1-10.
- Kim, Dong Yeon ; Vijayan, Durairaj ; Praveenkumar, Ramasamy ; Han, Jong In ; Lee, Kyubock ; Park, Ji Yeon ; Chang, Won Seok ; Lee, Jin Suk ; Oh, You Kwan. / **Cell-wall disruption and lipid/astaxanthin extraction from microalgae : Chlorella and Haematococcus.** In: Bioresource Technology. 2016 ; Vol. 199. pp. 300-310.
- Kim, Bohwa ; Praveenkumar, Ramasamy ; Lee, Jiye ; Nam, Bora ; Kim, Dong Myung ; Lee, Kyubock ; Lee, Young Chul ; Oh, You Kwan. / **Magnesium aminoclay enhances lipid production of mixotrophic Chlorella sp. KR-1 while reducing bacterial populations.** In: Bioresource Technology. 2016 ; Vol. 219. pp. 608-613.
- Kinnunen, V. ; Rintala, J. / **The effect of low-temperature pretreatment on the solubilization and biomethane potential of microalgae biomass grown in synthetic and wastewater media.** In: Bioresource Technology. 2016 ; Vol. 221. pp. 78-84.
- Kokko, Marika E. ; Mäkinen, Annukka E. ; Sulonen, Mira L K ; Puhakka, Jaakko A. / **Effects of anode potentials on bioelectrogenic conversion of xylose and microbial community compositions.** In: Biochemical Engineering Journal. 2015 ; Vol. 101. pp. 248-252.
- Kokko, Marika ; Epple, Stefanie ; Gescher, Johannes ; Kerzenmacher, Sven. / **Effects of wastewater constituents and operational conditions on the composition and dynamics of anodic microbial communities in bioelectrochemical systems.** In: Bioresource Technology. 2018 ; Vol. 258. pp. 376-389.
- Laitinen, A. ; Keskinen, J. / **Performance of a sonic jet-type charger in high dust load.** In: Journal of Electrostatics. 2016 ; Vol. 83. pp. 1-6.
- Länsivaara, Tim. / **Editorial.** In: Environmental Geotechnics. 2018 ; Vol. 5, No. 6.
- Lee, Kyubock ; Lee, So Yeun ; Praveenkumar, Ramasamy ; Kim, Bohwa ; Seo, Jung Yoon ; Jeon, Sang Goo ; Na, Jeong Geol ; Park, Ji Yeon ; Kim, Dong Myung ; Oh, You Kwan. / **Repeated use of stable magnetic flocculant for efficient harvest of oleaginous Chlorella sp.** In: Bioresource Technology. 2014 ; Vol. 167. pp. 284-290.
- Lee, Kyubock ; Lee, So Yeun ; Na, Jeong Geol ; Jeon, Sang Goo ; Praveenkumar, Ramasamy ; Kim, Dong Myung ; Chang, Won Seok ; Oh, You Kwan. / **Magnetophoretic harvesting of oleaginous Chlorella sp. by using biocompatible chitosan/magnetic nanoparticle composites.** In: Bioresource Technology. 2013 ; Vol. 149. pp. 575-578.
- Leivo, Virpi ; Prasauskas, Tadas ; Du, Liuliu ; Turunen, Mari ; Kiviste, Mihkel ; Aaltonen, Anu ; Martuzevicius, Dainius ; Haverinen-Shaughnessy, Ulla. / **Indoor thermal environment, air exchange rates, and carbon dioxide concentrations before and after energy retro fits in Finnish and Lithuanian multi-family buildings.** In: Science of the Total Environment. 2018 ; Vol. 621. pp. 398-406.
- Mal, J. ; Nancharaiah, Y. V. ; van Hullebusch, E. D. ; Lens, P. N L. / **Effect of heavy metal co-contaminants on selenite bioreduction by anaerobic granular sludge.** In: Bioresource Technology. 2016 ; Vol. 206. pp. 1-8.
- Mal, J. ; Nancharaiah, Y. V. ; van Hullebusch, E. D. ; Lens, P. N.L. / **Biological removal of selenate and ammonium by activated sludge in a sequencing batch reactor.** In: Bioresource Technology. 2017 ; Vol. 229. pp. 11-19.
- Marjakangas, Jatta M. ; Lakaniemi, Aino Maija ; Koskinen, Perttu E. P. ; Chang, Jo Shu ; Puhakka, Jaakko A. / **Lipid production by eukaryotic microorganisms isolated from palm oil mill effluent.** In: Biochemical Engineering Journal. 2015 ; Vol. 99. pp. 48-54.
- Marjakangas, Jatta M. ; Chen, Chun Yen ; Lakaniemi, Aino Maija ; Puhakka, Jaakko A. ; Whang, Liang Ming ; Chang, Jo Shu. / **Simultaneous nutrient removal and lipid production with Chlorella vulgaris on sterilized and non-sterilized anaerobically pretreated piggy wastewater.** In: Biochemical Engineering Journal. 2015 ; Vol. 103. pp. 177-184.

Mensah-Attipoe, Jacob ; Saari, Sampo ; Veijalainen, Anna Maria ; Pasanen, Pertti ; Keskinen, Jorma ; Leskinen, Jari T T ; Reponen, Tiina. / **Release and characteristics of fungal fragments in various conditions**. In: Science of the Total Environment. 2016 ; Vol. 547. pp. 234-243.

Nancharaiah, Y. V. ; Venkata Mohan, S. ; Lens, P.N.L. / **Metals removal and recovery in bioelectrochemical systems : A review**. In: Bioresource Technology. 2015 ; Vol. 195. pp. 102-114.

Nancharaiah, Y. V. ; Venkata Mohan, S. ; Lens, P. N L. / **Recent advances in nutrient removal and recovery in biological and bioelectrochemical systems**. In: Bioresource Technology. 2016 ; Vol. 215. pp. 173–185.

Nikhil, ; Puhakka, J. A. ; Visa, A. ; Yli-Harja, O. / **Software design for simulating microbial bioprocesses in bioreactor**. 6th International Conference on Environmental Informatics, ISEIS 2007. International Society for Environmental Information Sciences, 2014.

Nykänen, Lasse ; Liimatainen, Heikki . / **Possible impacts of increasing maximum truck weight: Finland case study**. Towards innovative freight and logistics: Research for innovative transports set . editor / Corinne Blanquart ; Uwe Clausen ; Bernard Jacob. Vol. 2 Great Britain : Wiley-ISTE, 2016. pp. 121-133

Paavola, Teija ; Rintala, Jukka. / **Effects of storage on characteristics and hygienic quality of digestates from four co-digestion concepts of manure and biowaste**. In: Bioresource Technology. 2008 ; Vol. 99, No. 15. pp. 7041-7050.

Pakarinen, O. ; Kaparaju, P. ; Rintala, J. / **The effect of organic loading rate and retention time on hydrogen production from a methanogenic CSTR**. In: Bioresource Technology. 2011 ; Vol. 102, No. 19. pp. 8952-8957.

Pakarinen, Outi ; Lehtomäki, Anni ; Rissanen, Sanna ; Rintala, Jukka. / **Storing energy crops for methane production : Effects of solids content and biological additive**. In: Bioresource Technology. 2008 ; Vol. 99, No. 15. pp. 7074-7082.

Palmroth, Marja Riitta Tuulikki ; Mönkäre, Tiina Johanna ; Steffen, Kari T. / **Fungal treatment of landfill mining fine fraction to increase its stability and end-use potential**. Book of abstracts of the 6th European Bioremediation Conference. editor / Nicolas Kalogerakis ; Fabio Fava ; Elena Manousaki. 2015. pp. 47

Palmroth, Marja Riitta Tuulikki ; Pispä, Lassi ; Kettunen, Riitta Helena ; Hänninen, Tuula ; Rintala, Jukka Antero. / **Mitigation of propylene glycol emissions to groundwater and soil**. Paper presented at Nordrocs 2016, 6th Joint Nordic Meeting on Remediation of Contaminated Sites, Espoo, Finland.

Pastor-Poquet, Vicente ; Papirio, Stefano ; Trably, Eric ; Rintala, Jukka ; Escudié, Renaud ; Esposito, Giovanni. / **Semi-continuous mono-digestion of OFMSW and Co-digestion of OFMSW with beech sawdust : Assessment of the maximum operational total solid content**. In: Journal of Environmental Management. 2019 ; Vol. 231. pp. 1293-1302.

Pastor-Poquet, V. ; Papirio, S. ; Trably, E. ; Rintala, J. ; Escudié, R. ; Esposito, G. / **High-solids anaerobic digestion requires a trade-off between total solids, inoculum-to-substrate ratio and ammonia inhibition**. In: INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY. 2019.

Polishchuk, Anna ; Valev, Dimitar ; Tarvainen, Marko ; Mishra, Sujata ; Kinnunen, Viljami ; Antal, Taras ; Yang, Baoru ; Rintala, Jukka ; Tyystjärvi, Esa. / **Cultivation of Nannochloropsis for eicosapentaenoic acid production in wastewaters of pulp and paper industry**. In: Bioresource Technology. 2015 ; Vol. 193. pp. 469-476.

Praveenkumar, Ramasamy ; Kim, Bohwa ; Choi, Eunji ; Lee, Kyubock ; Park, Ji Yeon ; Lee, Jin Suk ; Lee, Young Chul ; Oh, You Kwan. / **Improved biomass and lipid production in a mixotrophic culture of Chlorella sp. KR-1 with addition of coal-fired flue-gas**. In: Bioresource Technology. 2014 ; Vol. 171. pp. 500-505.

Ramasamy, Praveen ; Kim, Bohwa ; Lee, Jiye ; Vijayan, Durairaj ; Lee, Kyubock ; Nam, Bora ; Jeon, Sang Goo ; Kim, Dong Myung ; Oh, You Kwan. / **Mild pressure induces rapid accumulation of neutral lipid (triacylglycerol) in *Chlorella* spp.** In: *Bioresource Technology*. 2016 ; Vol. 220. pp. 661-665.

Schönborn, Gregor ; Berlin, Cecilia ; Pinzone, Marta ; Hanisch, Christoph ; Georgoulas, Konstantinos ; Lanz, Minna. / **Why social sustainability counts : The impact of corporate social sustainability culture on financial success.** In: *Sustainable Production and Consumption*. 2019 ; Vol. 17. pp. 1-10.

Seppälä, Mari ; Paavola, Teija ; Lehtomäki, Annamari ; Rintala, Jukka. / **Biogas production from boreal herbaceous grasses - Specific methane yield and methane yield per hectare.** In: *Bioresource Technology*. 2009 ; Vol. 100, No. 12. pp. 2952-2958.

Seppälä, M. ; Paavola, T. ; Lehtomäki, A. ; Pakarinen, O. ; Rintala, J. / **Biogas from energy crops - Optimal pre-treatments and storage, co-digestion and energy balance in boreal conditions.** In: *Water Science and Technology*. 2008 ; Vol. 58, No. 9. pp. 1857-1863.

Singh, Suniti ; Rinta-Kanto, Johanna M. ; Kettunen, Riitta ; Tolvanen, Henrik ; Lens, Piet ; Collins, Gavin ; Kokko, Marika ; Rintala, Jukka. / **Anaerobic treatment of LCFA-containing synthetic dairy wastewater at 20°C : Process performance and microbial community dynamics.** In: *Science of the Total Environment*. 2019 ; Vol. 691. pp. 960-968.

Sivula, Leena ; Ilander, Aki ; Väisänen, Ari ; Rintala, Jukka. / **Weathering of gasification and grate bottom ash in anaerobic conditions.** In: *Journal of Hazardous Materials*. 2010 ; Vol. 174, No. 1-3. pp. 344-351.

Smeds, A. ; Franzen, R. ; Kronberg, L. / **Occurrence of some chlorinated enol lactones and cyclopentene-1,3-diones in chlorine-treated waters.** In: *Environmental Science and Technology*. 1995 ; Vol. 29, No. 7. pp. 1839-1844.

Solala, Iina ; Koistinen, Antti ; Siljander, Sanna ; Vuorinen, Jyrki ; Vuorinen, Tapani. / **Composites of high-temperature thermomechanical pulps and polylactic acid.** In: *BioResources*. 2016 ; Vol. 11, No. 1. pp. 1125-1140.

Sormunen, Kai ; Ettala, Matti ; Rintala, Jukka. / **Internal leachate quality in a municipal solid waste landfill : Vertical, horizontal and temporal variation and impacts of leachate recirculation.** In: *Journal of Hazardous Materials*. 2008 ; Vol. 160, No. 2-3. pp. 601-607.

Sulonen, Mira L K ; Lakaniemi, Aino Maija ; Kokko, Marika E. ; Puhakka, Jaakko A. / **Long-term stability of bioelectricity generation coupled with tetrathionate disproportionation.** In: *Bioresource Technology*. 2016 ; Vol. 216. pp. 876-882.

Suvilampi, J. ; Rintala, J. / **Thermophilic aerobic wastewater treatment, process performance, biomass characteristics, and effluent quality.** In: *Reviews in Environmental Science and Bio-Technology*. 2003 ; Vol. 2, No. 1. pp. 35-51.

Taddeo, Raffaele ; Lepistö, Raghida. / **Struvite precipitation in raw and co-digested swine slurries for nutrients recovery in batch reactors.** In: *Water Science and Technology*. 2015 ; Vol. 71, No. 6. pp. 892-897.

Taddeo, Raffaele ; Kolppo, Kari ; Lepistö, Raghida. / **Sustainable nutrients recovery and recycling by optimizing the chemical addition sequence for struvite precipitation from raw swine slurries.** In: *Journal of Environmental Management*. 2016 ; Vol. 180. pp. 52-58.

Taddeo, Raffaele ; Honkanen, Mari ; Kolppo, Kari ; Lepistö, Raghida. / **Nutrient management via struvite precipitation and recovery from various agroindustrial wastewaters : Process feasibility and struvite quality.** In: *Journal of Environmental Management*. 2018 ; Vol. 212. pp. 433-439.

Tampio, Elina ; Salo, Tapio ; Rintala, Jukka. / **Agronomic characteristics of five different urban waste digestates.** In: *Journal of Environmental Management*. 2016 ; Vol. 169. pp. 293-302.

Tan, Lea Chua ; Nancharaiyah, Yarlalagadda V. ; Lu, Shipeng ; van Hullebusch, Eric D. ; Gerlach, Robin ; Lens, Piet N.L. / **Biological treatment of selenium-laden wastewater containing nitrate and sulfate in an upflow anaerobic sludge bed reactor at pH 5.0.** In: Chemosphere. 2018 ; Vol. 211. pp. 684-693.

Tao, Ran ; Lakaniemi, Aino-Maija ; Rintala, Jukka A. / **Cultivation of *Scenedesmus acuminatus* in different liquid digestates from anaerobic digestion of pulp and paper industry biosludge.** In: Bioresource Technology. 2017 ; Vol. 245, No. A. pp. 706-713.

Taskan, Ergin ; Özkaya, Bestemin ; Hasar, Halil. / **Combination of a novel electrode material and artificial mediators to enhance power generation in an MFC.** In: Water Science and Technology. 2015 ; Vol. 71, No. 3. pp. 320-328.

Tukiainen, A. ; Aho, A. ; Polojärvi, V. ; Ahorinta, R. ; Guina, M. / **High efficiency dilute nitride solar cells : Simulations meet experiments.** In: Journal of Green Engineering. 2016 ; Vol. 5, No. 3-4. pp. 113-132.

van Hullebusch, Eric D. ; Guibaud, Gilles ; Simon, Stéphane ; Lenz, Markus ; Yekta, Sepehr Shakeri ; Feroso, Fernando G. ; Jain, Rohan ; Duester, Lars ; Roussel, Jimmy ; Guillon, Emmanuel ; Skyllberg, Ulf ; Almeida, C. Marisa R ; Pechaud, Yoan ; Garuti, Mirco ; Frunzo, Luigi ; Esposito, Giovanni ; Carliell-Marquet, Cynthia ; Ortner, Markus ; Collins, Gavin. / **Methodological approaches for fractionation and speciation to estimate trace element bioavailability in engineered anaerobic digestion ecosystems : An overview.** In: Critical Reviews in Environmental Science and Technology. 2016 ; Vol. 46, No. 16. pp. 1324-1366.

Vinha, Juha ; Manelius, Elina ; Korpi, Minna ; Salminen, Kati ; Kurnitski, Jarek ; Kiviste, Mihkel ; Laukkanen, Anssi. / **Airtightness of residential buildings in Finland.** In: Building and Environment. 2015 ; Vol. 93, No. P2. pp. 128-140.

Wang, Hong ; Lehtomäki, Anni-Mari ; Tolvanen, Katariina ; Puhakka, Jaakko ; Rintala, Jukka. / **Impact of crop species on bacterial community structure during anaerobic co-digestion of crops and cow manure.** In: Bioresource Technology. 2009 ; Vol. 100, No. 7. pp. 2311-2315.

Wikberg, Hanne ; Ohra-aho, Taina ; Honkanen, Mari ; Kanerva, Heimo ; Harlin, Ali ; Vippola, Minnamari ; Laine, Christiane. / **Hydrothermal carbonization of pulp mill streams.** In: Bioresource Technology. 2016 ; Vol. 212. pp. 236-244.

Zou, G. ; Papirio, S. ; van Hullebusch, E. D. ; Puhakka, J. A. / **Fluidized-bed denitrification of mining water tolerates high nickel concentrations.** In: Bioresource Technology. 2015 ; Vol. 179. pp. 284-290.