

- Tampio, Elina, Tapio Salo, and Jukka Rintala. "Agronomic characteristics of five different urban waste digestates". *Journal of Environmental Management*. 2016, 169. 293-302. <https://doi.org/10.1016/j.jenvman.2016.01.001>
- Vinha, Juha et al. "Airtightness of residential buildings in Finland". *Building and Environment*. 2015, 93(P2). 128-140. <https://doi.org/10.1016/j.buildenv.2015.06.011>
- Jokela, J. P Y and J. A. Rintala. "Anaerobic solubilisation of nitrogen from municipal solid waste (MSW)". *Reviews in Environmental Science and Bio-Technology*. 2003, 2(1). 67-77. <https://doi.org/10.1023/B:RESB.0000022830.62176.36>
- Singh, Suniti et al. "Anaerobic treatment of LCFA-containing synthetic dairy wastewater at 20°C: Process performance and microbial community dynamics". *Science of the Total Environment*. 2019, 691. 960-968. <https://doi.org/10.1016/j.scitotenv.2019.07.136>
- Seppälä, M. et al. "Biogas from energy crops - Optimal pre-treatments and storage, co-digestion and energy balance in boreal conditions". *Water Science and Technology*. 2008, 58(9). 1857-1863. <https://doi.org/10.2166/wst.2008.503>
- Seppälä, Mari et al. "Biogas production from boreal herbaceous grasses - Specific methane yield and methane yield per hectare". *Bioresource Technology*. 2009, 100(12). 2952-2958. <https://doi.org/10.1016/j.biortech.2009.01.044>
- El-Qelish, Mohamed et al. "Bio-hydrogen Production from Sewage Sludge: Screening for Pretreatments and Semi-continuous Reactor Operation". *Waste and Biomass Valorization*. 2019. <https://doi.org/10.1007/s12649-019-00743-5>
- Mal, J. et al. "Biological removal of selenate and ammonium by activated sludge in a sequencing batch reactor". *Bioresource Technology*. 2017, 229. 11-19. <https://doi.org/10.1016/j.biortech.2016.12.112>
- Tan, Lea Chua et al. "Biological treatment of selenium-laden wastewater containing nitrate and sulfate in an upflow anaerobic sludge bed reactor at pH 5.0". *Chemosphere*. 2018, 211. 684-693. <https://doi.org/10.1016/j.chemosphere.2018.07.079>
- Kim, Dong Yeon et al. "Cell-wall disruption and lipid/astaxanthin extraction from microalgae: Chlorella and Haematococcus". *Bioresource Technology*. 2016, 199. 300-310. <https://doi.org/10.1016/j.biortech.2015.08.107>
- Taskan, Ergin, Bestemin Özkaya and Halil Hasar. "Combination of a novel electrode material and artificial mediators to enhance power generation in an MFC". *Water Science and Technology*. 2015, 71(3). 320-328. <https://doi.org/10.2166/wst.2014.487>
- Solala, Iina et al. "Composites of high-temperature thermomechanical pulps and polylactic acid". *BioResources*. 2016, 11(1). 1125-1140. <https://doi.org/10.15376/biores.11.1.1125-1140>
- Polishchuk, Anna et al. "Cultivation of Nannochloropsis for eicosapentaenoic acid production in wastewaters of pulp and paper industry". *Bioresource Technology*. 2015, 193. 469-476. <https://doi.org/10.1016/j.biortech.2015.06.135>
- Tao, Ran, Aino-Maija Lakaniemi, and Jukka A. Rintala. "Cultivation of Scenedesmus acuminatus in different liquid digestates from anaerobic digestion of pulp and paper industry biosludge". *Bioresource Technology*. 2017, 245(A). 706-713. <https://doi.org/10.1016/j.biortech.2017.08.218>
- Franzén, Robert and Leif Kronberg. "Determination of chlorinated 5-methyl-5-hydroxyfuranones in drinking water, in chlorinated humic water, and in pulp bleaching liquor". *Environmental Science and Technology*. 1994, 28(12). 2222-2227. <https://doi.org/10.1021/es00061a035>
- Länsivaara, Tim. "Editorial". *Environmental Geotechnics*. 2018. 5(6). <https://doi.org/10.1680/jenge.2018.5.6.309>

Mal, J. et al. "Effect of heavy metal co-contaminants on selenite bioreduction by anaerobic granular sludge". *Bioresource Technology*. 2016, 206. 1-8. <https://doi.org/10.1016/j.biortech.2016.01.064>

Jagadabhi, Padma Shanthi, Prasad Kaparaju, and Jukka Rintala. "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". *Bioresource Technology*. 2010, 101(8). 2818-2824. <https://doi.org/10.1016/j.biortech.2009.10.083>

Kokko, Marika E. et al. "Effects of anode potentials on bioelectrogenic conversion of xylose and microbial community compositions". *Biochemical Engineering Journal*. 2015, 101. 248-252. <https://doi.org/10.1016/j.bej.2015.06.007>

Di Capua, Francesco et al. "Effects of different nickel species on autotrophic denitrification driven by thiosulfate in batch tests and a fluidized-bed reactor". *Bioresource Technology*. 2017, 238. 534-541. <https://doi.org/10.1016/j.biortech.2017.04.082>

Hajdu-Rahkama, Réka et al. "Effects of elevated pressures on the activity of acidophilic bioleaching microorganisms". *Biochemical Engineering Journal*. 2019. 150. <https://doi.org/10.1016/j.bej.2019.107286>

Du, Liuliu et al. "Effects of energy retrofits on Indoor Air Quality in multifamily buildings". *Indoor Air*. 2019. <https://doi.org/10.1111/ina.12555>

Kaparaju, P. L N and J. A. Rintala. "Effects of solid-liquid separation on recovering residual methane and nitrogen from digested dairy cow manure". *Bioresource Technology*. 2008, 99(1). 120-127. <https://doi.org/10.1016/j.biortech.2006.11.046>

Paavola, Teija and Jukka Rintala. "Effects of storage on characteristics and hygienic quality of digestates from four co-digestion concepts of manure and biowaste". *Bioresource Technology*. 2008, 99(15). 7041-7050. <https://doi.org/10.1016/j.biortech.2008.01.005>

Kokko, Marika et al. "Effects of wastewater constituents and operational conditions on the composition and dynamics of anodic microbial communities in bioelectrochemical systems". *Bioresource Technology*. 2018, 258. 376-389. <https://doi.org/10.1016/j.biortech.2018.01.090>

Auvinen, Hannele et al. "Fate of metallic engineered nanomaterials in constructed wetlands: prospection and future research perspectives". *Reviews in Environmental Science and Bio-Technology*. 2017, 16(2). 207-222. <https://doi.org/10.1007/s11157-017-9427-0>

Zou, G. et al. "Fluidized-bed denitrification of mining water tolerates high nickel concentrations". *Bioresource Technology*. 2015, 179. 284-290. <https://doi.org/10.1016/j.biortech.2014.12.044>

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

Tukiainen, A. et al. "High efficiency dilute nitride solar cells: Simulations meet experiments". *Journal of Green Engineering*. 2016, 5(3-4). 113-132. <https://doi.org/10.13052/jge1904-4720.5348>

Pastor-Poquet, V. et al. "High-solids anaerobic digestion requires a trade-off between total solids, inoculum-to-substrate ratio and ammonia inhibition". *INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY*. 2019. <https://doi.org/10.1007/s13762-019-02264-z>

Wikberg, Hanne et al. "Hydrothermal carbonization of pulp mill streams". *Bioresource Technology*. 2016, 212. 236-244. <https://doi.org/10.1016/j.biortech.2016.04.061>

Wang, Hong et al. "Impact of crop species on bacterial community structure during anaerobic co-digestion of crops and cow manure". *Bioresource Technology*. 2009, 100(7). 2311-2315. <https://doi.org/10.1016/j.biortech.2008.10.040>

Praveenkumar, Ramasamy et al. "Improved biomass and lipid production in a mixotrophic culture of *Chlorella* sp. KR-1 with addition of coal-fired flue-gas". *Bioresource Technology*. 2014, 171. 500-505. <https://doi.org/10.1016/j.biortech.2014.08.112>

Leivo, Virpi et al. "Indoor thermal environment, air exchange rates, and carbon dioxide concentrations before and after energy retro fits in Finnish and Lithuanian multi-family buildings". *Science of the Total Environment*. 2018, 621. 398-406. <https://doi.org/10.1016/j.scitotenv.2017.11.227>

Sormunen, Kai, Matti Ettala, and Jukka Rintala. "Internal leachate quality in a municipal solid waste landfill: Vertical, horizontal and temporal variation and impacts of leachate recirculation". *Journal of Hazardous Materials*. 2008, 160(2-3). 601-607. <https://doi.org/10.1016/j.jhazmat.2008.03.081>

Marjakangas, Jatta M. et al. "Lipid production by eukaryotic microorganisms isolated from palm oil mill effluent". *Biochemical Engineering Journal*. 2015, 99. 48-54. <https://doi.org/10.1016/j.bej.2015.03.006>

Sulonen, Mira L K et al. "Long-term stability of bioelectricity generation coupled with tetrathionate disproportionation". *Bioresource Technology*. 2016, 216. 876-882. <https://doi.org/10.1016/j.biortech.2016.06.024>

Kim, Bohwa et al. "Magnesium aminoclay enhances lipid production of mixotrophic *Chlorella* sp. KR-1 while reducing bacterial populations". *Bioresource Technology*. 2016, 219. 608-613. <https://doi.org/10.1016/j.biortech.2016.08.034>

Lee, Kyubock et al. "Magnetophoretic harvesting of oleaginous *Chlorella* sp. by using biocompatible chitosan/magnetic nanoparticle composites". *Bioresource Technology*. 2013, 149. 575-578. <https://doi.org/10.1016/j.biortech.2013.09.074>

Nancharaiah, Y. V., S. Venkata Mohan and P.N.L. Lens. "Metals removal and recovery in bioelectrochemical systems: A review". *Bioresource Technology*. 2015, 195. 102-114. <https://doi.org/10.1016/j.biortech.2015.06.058>

Einola, J.-K. M., K. M. Sormunen, and J. A. Rintala. "Methane oxidation in a boreal climate in an experimental landfill cover composed from mechanically-biologically treated waste". *Science of the Total Environment*. 2008, 407(1). 67-83. <https://doi.org/10.1016/j.scitotenv.2008.08.016>

van Hullebusch, Eric D. et al. "Methodological approaches for fractionation and speciation to estimate trace element bioavailability in engineered anaerobic digestion ecosystems: An overview". *Critical Reviews in Environmental Science and Technology*. 2016, 46(16). 1324-1366. <https://doi.org/10.1080/10643389.2016.1235943>

Ramasamy, Praveen et al. "Mild pressure induces rapid accumulation of neutral lipid (triacylglycerol) in *Chlorella* spp.". *Bioresource Technology*. 2016, 220. 661-665. <https://doi.org/10.1016/j.biortech.2016.09.025>

Palmroth, Marja Riitta Tuulikki et al. *Mitigation of propylene glycol emissions to groundwater and soil*. 2016.

Taddeo, Raffaele et al. "Nutrient management via struvite precipitation and recovery from various agroindustrial wastewaters: Process feasibility and struvite quality". *Journal of Environmental Management*. 2018, 212. 433-439. <https://doi.org/10.1016/j.jenvman.2018.02.027>

Smeds, A., R. Franzen and L. Kronberg. "Occurrence of some chlorinated enol lactones and cyclopentene-1,3-diones in chlorine-treated waters". *Environmental Science and Technology*. 1995, 29(7). 1839-1844. <https://doi.org/10.1021/es00007a022>

Eregowda, Tejaswini et al. "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". *Bioresource Technology*. 2018, 263. 591-600. <https://doi.org/10.1016/j.biortech.2018.04.095>

Laitinen, A. and J. Keskinen. "Performance of a sonic jet-type charger in high dust load". *Journal of Electrostatics*. 2016, 83. 1-6. <https://doi.org/10.1016/j.elstat.2016.06.002>

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

Dessi, Paolo et al. "Power production and microbial community composition in thermophilic acetate-fed up-flow and flow-through microbial fuel cells". *Bioresource Technology*. 2019. 294. <https://doi.org/10.1016/j.biortech.2019.122115>

Keskikuru, T. et al. "Radon, fungal spores and MVOCs reduction in crawl space house: A case study and crawl space development by hygrothermal modelling". *Building and Environment*. 2018, 138. 1-10. <https://doi.org/10.1016/j.buildenv.2018.04.026>

Nancharaiah, Y. V., S. Venkata Mohan and P. N L Lens. "Recent advances in nutrient removal and recovery in biological and bioelectrochemical systems". *Bioresource Technology*. 2016, 215. 173-185. <https://doi.org/10.1016/j.biortech.2016.03.129>

Mensah-Attipoe, Jacob et al. "Release and characteristics of fungal fragments in various conditions". *Science of the Total Environment*. 2016, 547. 234-243. <https://doi.org/10.1016/j.scitotenv.2015.12.095>

Lee, Kyubock et al. "Repeated use of stable magnetic flocculant for efficient harvest of oleaginous *Chlorella* sp.". *Bioresource Technology*. 2014, 167. 284-290. <https://doi.org/10.1016/j.biortech.2014.06.055>

Pastor-Poquet, Vicente et al. "Semi-continuous mono-digestion of OFMSW and Co-digestion of OFMSW with beech sawdust: Assessment of the maximum operational total solid content". *Journal of Environmental Management*. 2019, 231. 1293-1302. <https://doi.org/10.1016/j.jenvman.2018.10.002>

Marjakangas, Jatta M. et al. "Simultaneous nutrient removal and lipid production with *Chlorella vulgaris* on sterilized and non-sterilized anaerobically pretreated piggery wastewater". *Biochemical Engineering Journal*. 2015, 103. 177-184. <https://doi.org/10.1016/j.bej.2015.07.011>

Nikhil et al. "Software design for simulating microbial bioprocesses in bioreactor". *6th International Conference on Environmental Informatics, ISEIS 2007*. International Society for Environmental Information Sciences. 2014.

Pakarinen, Outi et al. "Storing energy crops for methane production: Effects of solids content and biological additive". *Bioresource Technology*. 2008, 99(15). 7074-7082. <https://doi.org/10.1016/j.biortech.2008.01.007>

Taddeo, Raffaele and Raghida Lepistö. "Struvite precipitation in raw and co-digested swine slurries for nutrients recovery in batch reactors". *Water Science and Technology*. 2015, 71(6). 892-897. <https://doi.org/10.2166/wst.2015.045>

Taddeo, Raffaele, Kari Kolppo and Raghida Lepistö. "Sustainable nutrients recovery and recycling by optimizing the chemical addition sequence for struvite precipitation from raw swine slurries". *Journal of Environmental Management*. 2016, 180. 52-58. <https://doi.org/10.1016/j.jenvman.2016.05.009>

Dessi, Paolo et al. "Temperature control as key factor for optimal biohydrogen production from thermomechanical pulping wastewater". *Biochemical Engineering Journal*. 2018, 137. 214-221. <https://doi.org/10.1016/j.bej.2018.05.027>

Kinnunen, V. and J. Rintala. "The effect of low-temperature pretreatment on the solubilization and biomethane potential of microalgae biomass grown in synthetic and wastewater media". *Bioresource Technology*. 2016, 221. 78-84. <https://doi.org/10.1016/j.biortech.2016.09.017>

Pakarinen, O., P. Kaparaju, and J. Rintala. "The effect of organic loading rate and retention time on hydrogen production from a methanogenic CSTR". *Bioresource Technology*. 2011, 102(19). 8952-8957. <https://doi.org/10.1016/j.biortech.2011.07.020>

Suvilampi, J. and J. Rintala. "Thermophilic aerobic wastewater treatment, process performance, biomass characteristics, and effluent quality". *Reviews in Environmental Science and Bio-Technology*. 2003, 2(1). 35-51. <https://doi.org/10.1023/B:RESB.0000022959.46025.9a>

Jagadabhi, Padma Shanthi, Prasad Kaparaju, and Jukka Rintala. "Two-stage anaerobic digestion of tomato, cucumber, common reed and grass silage in leach-bed reactors and upflow anaerobic sludge blanket reactors". *Bioresource Technology*. 2011, 102(7). 4726-4733. <https://doi.org/10.1016/j.biortech.2011.01.052>

Sivula, Leena et al. "Weathering of gasification and grate bottom ash in anaerobic conditions". *Journal of Hazardous Materials*. 2010, 174(1-3). 344-351. <https://doi.org/10.1016/j.jhazmat.2009.09.056>

Schönborn, Gregor et al. "Why social sustainability counts: The impact of corporate social sustainability culture on financial success". *Sustainable Production and Consumption*. 2019, 17. 1-10. <https://doi.org/10.1016/j.spc.2018.08.008>