

MARIANNA VILLANO

LIST OF PUBLICATIONS

- Paiano P., Menini M., Zeppilli M., Majone M., **Villano M.** (2019). Electro-fermentation and redox mediators enhance glucose conversion into butyric acid with mixed microbial cultures. *Bioelectrochemistry*, 130: 107333. DOI: 10.1016/j.bioelechem.2019.107333
- Zeppilli M., Paiano P., **Villano M.**, Majone M. (2019). Anodic vs cathodic potentiostatic control of a methane producing microbial electrolysis cell aimed at biogas upgrading. *Biochemical Engineering Journal*, 152: 107393. DOI: 10.1016/j.bej.2019.107393
- Zeppilli M., Mattia A., **Villano M.**, Majone M. (2017). Three-chamber bioelectrochemical system for biogas upgrading and nutrient recovery. *Fuel Cells*, 17(5): 593-600. DOI: 10.1002/fuce.201700048
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- Valentino F., Morgan-Sagastume F., Campanari S., **Villano M.**, Werker A., Majone M. (2017). Carbon recovery from wastewater through bioconversion into biodegradable polymers. *New Biotechnology*, 37: 9-23. DOI: 10.1016/j.nbt.2016.05.007
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- Blasco-Gómez R., Batle-Vilanova P., **Villano M.**, Balaguer M.D., Colprim J., Puig S. (2017). On the edge of research and technological application: a critical review of electromethanogenesis. *International Journal of Molecular Science*, 18(4): 874. DOI: 10.3390/ijms18040874
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- Campanari S., Augelletti F., Rossetti S., Sciubba F., **Villano M.**, Majone M. (2017). Enhancing a multi-stage process for olive oil mill wastewater valorization towards polyhydroxyalkanoates and biogas production. *Chemical Engineering Journal*, 317: 280-289. DOI: 10.1016/j.cej.2017.02.094

- Majone M., Chronopoulou L., Lorini L., Martinelli A., Palocci C., Rossetti S., Valentino F., **Villano M.** (2017). PHA copolymers from microbial mixed cultures: Synthesis, extraction and related properties. In *Current Advances in Biopolymer Processing and Characterization* edited by Koller M., Nova Science Publishers (ISBN: 978-153612711-9;978-153612710-2), pp: 223-276
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