

## MARIANNA VILLANO

### LIST OF PUBLICATIONS

- Crognale S., Lorini L., Valentino F., Villano M., Marzo Cago C., Tonanzi B., Majone M., Rossetti S. (2022). Effect of the organic loading rate on the PHA-storing microbiome in sequencing batch reactors operated with uncoupled carbon and nitrogen feeding. *Science of the Total Environment*, 825: 153993. DOI: 10.1016/j.scitotenv.2022.153995
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- Cristiani L., Ferretti J., Majone M., Villano M., Zeppilli M. (2022). Autotrophic acetate production under hydrogenophilic and bioelectrochemical conditions with a thermally treated mixed culture. *Membranes*, 12(2): 126. DOI: 10.3390/membranes12020126
- Cristiani L., Zeppilli M., Villano M., Majone M. (2021). Role of the organic loading rate and the electrodes' potential control strategy on the performance of a micro tubular microbial electrolysis cell for biogas upgrading. *Chemical Engineering Journal*, 426: 131909. DOI: 10.1016/j.cej.2021.131909
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- Lorini L., Martinelli A., Capuani G., Frison F., Reis M., Sommer Ferreira B., Villano M., Majone M., Valentino F. (2021). Characterization of polyhydroxyalkanoates produced at pilot scale from different organic wastes. *Frontiers in Bioengineering and Biotechnology*, 9: 628719. DOI : 10.3389/fbioe.2021.628719
- Zeppilli M., Cristiani L., Villano M., Majone M. (2021). Carbon dioxide abatement and biofilm growth in MEC equipped with a packed bed adsorption column. *Chemical Engineering Transactions*, 86: 421-426. DOI: 10.3303/CET2186071

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- Liu D., Zeppilli M., Villano M., Buisman C., Ter Heijne A. (2020). Methane production at biocathodes: principles and applications. In: "Bioelectrosynthesis: principles and technologies for value-added products" (Wiley, Eds A. Wang, W. Liu, B. Zhang and W. Cai), Chapter 5: 129-159. DOI: 10.1002/9783527343829.ch5
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