

Dr. C. Jayashree

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Education

Degree

Ph. D

M. Sc Biotechnology

B. Sc Biotechnology

Institute/Organisation

Anna University, Chennai

Alagappa University, Karaikudi

Bharathidasan University, Tiruchirapalli
(Gold medalist)

Areas of Research

- **Environmental Biotechnology**
- **Bioenergy**
- **Nanomaterials**

Teaching experience

- **4 years**

Pre doctoral research experience

- **3 years**

Publications

- Tamilarasan, K, Rajesh Banu, J, **Jayashree, C**, Yogalakshmi, KN and Gokulakrishnan, K 2017. Effect of organic loading rate on electricity generating potential of upflow anaerobic microbial fuel cell treating surgical cotton industry wastewater, *Journal of Environmental & Chemical Engineering*, vol. 5, pp. 1021–1026. Impact Factor – 4, **Citation – 55.**
- **Jayashree, C**, Tamilarasan K, Rajkumar M, Arulazhagan P, Yogalakshmi, KN, Srikanth, M, & Rajesh Banu, J (2016). Treatment of seafood processing wastewater using upflow microbial fuel cell for power production and identification of bacterial community in anodic biofilm, *Journal of Environmental Management*, vol. 180, pp. 351-358. **Impact Factor – 4.5. Citation – 110**
- **Jayashree, C**, Sweta Singh, Yeom, IT, Arulazhagan, P, Adish Kumar, S, Iqbal, MII & Rajesh Banu, J (2015). Electricity generation from retting wastewater consisting of recalcitrant compounds using

continuous upflow microbial fuel cell, *Biotechnology and Bioprocess Engineering*, vol. 20, pp. 753-759. Impact Factor – 1.2, **Citation – 39.**

- **Jayashree, C**, Arulazhagan, P, Adish Kumar, S, Kaliappan, S, Yeom IT & Rajesh Banu, J (2014). Bioelectricity generation from coconut husk retting wastewater in fed batch operating microbial fuel cell by phenol degrading microorganism. *Biomass and Bioenergy*, vol. 69, pp. 249-254. Impact Factor - 4.273, **Citation – 40.**
- **Jayashree, C**, Janshi G, Yeom, IT, Adish Kumar, S & Rajesh Banu, J (2014). Effect of Low Temperature Thermo-Chemical Pretreatment of Dairy Waste Activated Sludge on the Performance of Microbial Fuel Cell, *International Journal of Electrochemical Sciences*, vol. 9, pp. 5732-5742. Impact factor - 1.500, **Citation – 29.**
- Kavitha, S, **Jayashree, C**, Adish kumar, S, Yeom, IT & Rajesh Banu, J (2014). The enhancement of anaerobic biodegradability of waste activated sludge by surfactant mediated biological pretreatment. *Bioresourcetchnology*, vol. 168, pp. 159-166. Impact Factor - 5.039, **Citation – 159.**
- Kavitha, S, **Jayashree, C**, Kaliappan, S, Adish kumar, S, Kaliappan, S & Rajesh Banu, J (2014). Enhancing the functional and economical efficiency of a novel combined thermo chemo disperser disintegration of waste activated sludge for biogas production. *Bioresource Technology*, vol. 173, pp. 32-41. Impact Factor - 5.039, **Citation - 82.**

Membership

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