

## **PANEL OF EXPERTS**

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<b>Designation</b>	<b>: Assistant Professor</b>	<b>No. of Publication</b>	<b>: 23</b>
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### **List of publication for last five years:**

1. Vidya, E.V., Jerold M, Sanjay, Ramya Sankaran, Sivasubramanian V, Electrocoagulation Using Commercial Grade Aluminium Electrode for the Removal of Crystal Violet from Aqueous Solution, Water Science and Technology, **2019**; 79(4), 597-606.
2. Jerold M and Sivasubramanian V, Biochemical and Environmental Bioprocessing: Challenges and Developments, CRC Press, Boca Raton, United States (Taylor and Francis Group), **2019**, ISBN No: 9780367187392 (First Edition).
3. Murali Mohan Seepana, M. Jerold and K. S. Rajmohan, Production of Biofuels from Algal Biomass, Biochemical and Environmental Bioprocessing Challenges and Developments, CRC Press, Boca Raton **2019**.
4. Jerold, M., Sivasubramanian V,. Box-Behnken Design Optimization of Malachite Green dye biosorption Using Nano Zero Valent Iron Sargassum swartzii biocomposite, Particulate Science and Technology, **2018**; 36 (3), 386-393.
5. Vigneshwaran C, Sivasubramanian V, Vasantharaj K, Krishnanand N, Jerold M, Potential of Brevibacillus sp. AVN 13 isolated from crude oil contaminated soil for biosurfactant production and its optimization studies, Journal of Environmental Chemical Engineering, **2018**; 6, 4347-4356

6. Ramya S., Sivasubramanian V, Vidya E.V, Jerold M, Kanimozhi J, Sinu M, Shankar N, Congo red dye removal from synthetic wastewater using electrocoagulation: Kinetic study and process performance, *Desalination and Water Treatment* ,**2018**; 122, 339-350.
7. Vigneshwaran C, Jerold M, Vasantharaj K, Krishnanand N, Sivasubramanian V, *Newer Strategies in Bioprocessing of Inulin-Based Biofuel, Bioprocesses for Green Environment* CRC Press, Boca Raton **2018**. (ISBN 9781138035973).
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9. Vasantharaj K, Jerold M, DeepanrajB, Velan M, Sivasubramanian V. Assessment of a sulfidogenic system utilizing microalgal biomass of *Chlorella pyrenoidosa* as an electron donor: Taguchi based grey relational analysis, *International Journal of Hydrogen Energy*, **2017**; 42, 26545-26554.
10. Vasantharaj K, Jerold M, Vigneshwaran C, Velan M, Sivasubramanian V. Kinetic Analysis of Sulfate Reduction from Synthetic Wastewater using *Desulfovibrio* sp. Dominated Mixed Culture, *Desalination and Water Treatment*, **2017**; 83, 30-39.
11. Jerold M., Vasantharaj K, Daisy Joseph, Sivasubramanian V. Fabrication of hybrid Nanoscale Zero-Valent Iron-Sargassum Swartzii biocomposite for the removal of crystal violet from aqueous solution, *International Journal of Phytoremediation*, **2017**; 19, 214-224.
12. Jerold M., Sivasubramanian V. Biosorptive removal of malachite green from aqueous solution using chemically modified Sargassum swartzii, *Water Science and Technology*, **2017**; 75, 598-608.
13. Jerold M., Sivasubramanian V. Biosorption of malachite green from aqueous solution using brown marine macro algae Sargassum swartzii, *Desalination and Water Treatment*, **2016**; 57, 25288 -25300.
14. Jerold M., V.Sivasubramanian. Fixed-bed column Studies for the Removal of Hazardous Malachite Green Dye From Aqueous Solution Using Novel Nano Zero Valent Iron Algal Biocomposite, *Nanotechnolgy for Environmental Engineering*, **2016**; 1 (8), 1-10.

15. Jerold M., Vidya E.V, Ramya Sankar, Naveenji Arun, Sivasubramanian V. Nanoscale Zero-Valent Iron-Sargassum Swartzii biocomposite for the removal of malachite green from an aqueous solution, Separation Science and Technology, **2017**; 52 (6), 965-974.
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17. Jerold M, Vasantharaj K, Vigneshwaran C, Sivasubramanian V. Evaluation of Biosorption Potential of Gracillaria corticata for the Removal of Malachite Green from Aqueous Solution: Isotherm, Kinetic and Thermodynamic studies, Desalination and Water Treatment, **2017**; 66, 251-262.
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19. Vigneshwaran C, Jerold M, Vasantharaj K, Sivasubramanian V. A Review on Biosurfactants and its Environmental Applications, Journal of Environmental Science, Toxicology and Food Technology, **2016**; 10 (8), 152-160.
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21. Vigneshwaran C, Vasantharaj K, Jerold M, Sivasubramanian V. Production of biosurfactants and its application in bioremediation, Environmental Sustainability using Green Technologies CRC Press, Boca Raton **2016**. (ISBN 9781498753050)
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