# GHURUPREYA R

## Education

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|---|---|---|---|
| 2023 - Present | PhD. Environmental Engineering | Indian Institute of Technology Madras | |
| 2021 - 2023 | M. Tech (Biotechnology) | Indian Institute of Technology Guwahati | 9.78/10 |
| 2017 - 2021 | B. Tech (Biotechnology) | Kalasalingam Academy of Research and Education | 9.13/10 |
| 2016 - 2017 | Senior Secondary | TVS Matriculation Higher Secondary School | 90% |
| 2014 - 2015 | Secondary | | 97% |

## Experience

January 2022 – May 2023 **Graduate Teaching Assisstant (TA),** Department of Biotechnology, IIT Guwahati.

## Project

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|---|---|
| May 2022 – May 2023 | Sequestration of micropollutants from aqueous solution using modified Polymer and Iron oxide/Bentonite adsorbents and their eco-toxicological assessment via Microbial, Fish and Phyto toxicity studies |
| August 2020 - May 2021 | Bio-active compounds from *Mimosa pudica* - An *in-silico* investigation against Neurological disease |
| July 2019 - May 2020 | Herbal Foot Care Cream |
| June -November 2016 | QC project – Lack of seriousness towards academics |
| June - November 2008 | QC project – Lack of cleanliness |

## Publications

- Varadharaj, V. P., **Ramesh, G**., Kumar, A., Jeyabalan, J., & Narayanasamy, S. (2023, April 19). Synthesis, characterization, and application of oxidant-modified biochar prepared from sawdust for sequestration of basic fuchsin: isotherm, kinetics, and toxicity studies. *Biomass Conversion and Biorefinery*. https://doi.org/10.1007/s13399-023-04210-z
- Kanagaraj, J., **Ramesh Ghurupreya**, Derina J. Pearlin, & K. Ponmozhi. (2022, September 12). Phytocompounds from *Withania somnifera* against breast cancer: An in-silico study. *Biomedicine*, *42*(4), 720–725. https://doi.org/10.51248/.v42i4.1244
- Kanagaraj, & **Ramesh.G** (2022, January 14). Molecular docking of bio-active compounds from *Mimosa pudica* against NMDA receptor. *International Journal for Modern Trends in Science and Technology*, *8*(01), 265–268. https://doi.org/10.46501/IJMTST0801046
- Kanagaraj, J., **Ramesh, G**., Kaliappa, G. D., & Chandran, V. (2020, December 31). Comparative Study of Medicinal Plants in Skin Care. *International Journal for Research in Applied Science and Engineering Technology*, *8*(12), 172–175. https://doi.org/10.22214/ijraset.2020.30245
- Kanagaraj, J., Nachiappan, V., & **Ghurupreya, R**. (2019, December 30). Degradation of Phospholipids by N, N-Dimethylformamide Induced Liver Toxicity in Male Wistar Rats. *International Journal of Innovative Technology and Exploring Engineering*, *9*(2S2), 665–669. https://doi.org/10.35940/ijitee.b1162.1292s219

## Training

January 2023 Synergistic Training program Utilizing the Scientific and Technological Infrastructure (STUTI) on the theme **"Challenges and opportunities in WAter, Sanitation & Hygiene (WASH)"** by National Institute of Technology Agartala

June - August 2020 **CSIR Summer Research Training Program 2020 (Online)**
Study topic: Hydroponic cultivation of *Coriandrum sativum*

June - July 2019 **Trainee – Plant Tissue Culture And Molecular Biology Lab**
Jawaharlal Nehru Tropical Botanic Garden And Research Institute, Thiruvananthapuram

December 2018 **Trainee – Laboratory services**
Meenakshi Mission Hospital And Research Center, Madurai