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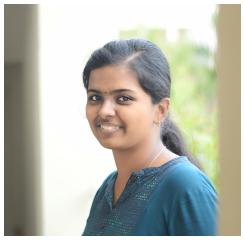

Research Experience

2020 - Present **Prime Minister's Research Fellow,** National Institute of Technology Tiruchirappalli.
Department of Chemistry, *Organic and Polymer Synthesis Lab.*
Hosted By : Dr. S. Velmathi velmathis@nitt.edu

2018 **Summer Research Intern,** Indian Institute of Technology - Madras (IITM).
Department of Chemistry, IIT Madras.
Hosted By : Dr. P. Anbarasan anbarasansp@iitm.ac.in

Education

2017 – 2019 **M.Sc. Chemistry, Central University of Tamil Nadu**
Thesis title: *Synthesis, characterisation, and DNA binding studies of half-sandwich ruthenium (II) arene complexes containing phenanthroimidazoles.*
CGPA : 8.9/10 | Hosted By : Dr. S. Nagarajan snagarajan@cutn.ac.in

2014 – 2017 **B.Sc. Chemistry, University of Calicut**
Thesis title: *Effect of calcium carbide in the Vitamin C content of fruits"* .
CGPA : 8.4/10 | Hosted By : K. V. Vinod kvvinod.iit@gmail.com

Awards and Achievements

2021 **Prime Minister's Research Fellowship**
Enhanced PhD Research Fellowship Grant from MHRD, Government of India to pursue HDR

2020 **GATE – MHRD Fellowship**
PhD Research fellowship Grant from MHRD, Government of India to pursue HDR.

Junior Research Fellowship (JRF) - Chemical Sciences | AIR - 95
PhD Research fellowship Grant from CSIR, Government of India to pursue HDR.

Research Publications

Journal Articles

1. Abhijna Krishna, R., & Velmathi, S. (2022). A review on fluorimetric and colorimetric detection of metal ions by chemodosimetric approach 2013–2021. *Coordination Chemistry Reviews*, *459*, 214401. doi:10.1016/j.ccr.2021.214401

2. Abhijna Krishna, R., Dheepika, R., Muralisankar, M., & Nagarajan, S. (2021). Microwave-assisted synthesis and dna-binding studies of half-sandwich ruthenium (ii) arene complexes containing phenanthroimidazole-triarylamine hybrids. *Journal of Coordination Chemistry*, *74*(4-6), 838–849. doi:10.1080/00958972.2021.1885650

3. Dheepika, R., Abhijna Krishna, R., Imran, P. M., & Nagarajan, S. (2020). High performance p-channel and ambipolar ofets based on imidazo [4, 5-f]-1, 10-phenanthroline-triarylamines. *RSC Advances*, *10*(22), 13043–13049. doi:10.1039/D0RA00210K

4. Parvathy, P., Dheepika, R., Abhijna Krishna, R., Imran, P., & Nagarajan, S. (2020). Fluorescence quenching of triarylamine functionalized phenanthroline-based probe for detection of picric acid. *Journal of Photochemistry and Photobiology A: Chemistry*, *401*, 112780. doi:10.1016/j.jphotochem.2020.112780