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Dedicated and Capable Graduate Student Looking forward to obtaining a position of responsibilities that utilizes skills and experience and keen to work in an environment where I can enrich my knowledge.

## EDUCATION

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<b>PhD</b>	<b>National Institute of Technology - Trichy, Chemistry</b> Advisor: Prof. S. Velamathi CGPA: 9.75/10 (Research Coursework)	<b>Pursuing</b>
<b>MSc</b>	<b>Central University of Tamil Nadu, Chemistry</b> Thesis: "Synthesis, characterisation, and DNA binding studies of half-sandwich ruthenium (II) arene complexes containing phenanthroimidazoles" Advisor: Prof. S. Nagarajan CGPA: 8.9/10	<b>May 2019</b>
<b>BSc</b>	<b>University of Calicut, Chemistry</b> Thesis: "Effect of calcium carbide in the Vitamin C content of Fruits" Advisor: K. V. Vinod Minored in Mathematics and Physics CGPA: 84%	<b>June 2017</b>
<b>HSE</b>	<b>Kerala State Board, Bio-Maths Stream</b> CGPA: 93%	<b>June 2014</b>
<b>X<sup>th</sup></b>	<b>Central Board of Secondary Education</b> CGPA: 9.6/10	<b>June 2012</b>

## PUBLICATIONS

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- Dheepika, R.; Abhijnakrishna, R.; Imran, P. M.; Nagarajan, S. High Performance P-Channel and Ambipolar OFETs Based on Imidazo[4,5-f]-1,10-Phenanthroline-Triarylaminates. *RSC Adv.* **2020**, *10* (22), 13043–13049. <https://doi.org/10.1039/D0RA00210K>.
- Parvathy, P. A.; Dheepika, R.; Abhijnakrishna, R.; Imran, P. K. M.; Nagarajan, S. Fluorescence Quenching of Triarylamine Functionalized Phenanthroline-Based Probe for Detection of Picric Acid. *J. Photochem. Photobiol. A Chem.* **2020**, *401*, 112780. <https://doi.org/https://doi.org/10.1016/j.jphotochem.2020.112780>.
- Krishna, R. A.; Dheepika, R.; Muralisankar, M.; Nagarajan, S. Microwave-Assisted Synthesis and DNA-Binding Studies of Half-Sandwich Ruthenium(II) Arene Complexes Containing Phenanthroimidazole-Triarylamine Hybrids. *J. Coord. Chem.* **2021**, *74* (4–6), 838–849. <https://doi.org/10.1080/00958972.2021.1885650>.

## ACHIEVEMENTS

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- Qualified CSIR NET with JRF AIR – 95 June 2020
- Qualified GATE, Chemistry (CY) June 2020
- Essay competition conducted by IISF (India International Science Festival 2020) 2020  
Achieved 1st Prize in Research scientist's category.

## RESEARCH EXPERIENCE

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### Summer Research Intern (INSA), IIT Madras

May 2018 – July 2018

Brief: "Worked on understanding the scope and limitations of the synthesis of 1,3-oxazolidines from N-sulfonyl 1,2,3-triazoles and 1,2-aminoalcohols catalysed by Rhodium"

Advisor: Prof. P. Anbarasan, Department of Chemistry, IIT Madras

## ACTIVITIES

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- Attended International E-workshop on 'Electronic structure theory and application to chemical systems' (2020) organised by National Institute of Technology, Trichy.
- Presented poster on 'Microwave assisted synthesis of functionalised imidazoles' on National science day 2019 Organised by Department of Chemistry, Central University of Tamil Nadu
- Attended National workshop on Nuclear Magnetic Resonance spectroscopy (2018) organised by Gandhigram Rural Institute, Dindugal
- Attended National workshop on Recent advances in chemistry (2018) organised by Central University of Tamil Nadu
- Attended National workshop on Recent Trends in chemistry (2019) organised by Central University of Tamil Nadu

## REFERENCES

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