

# CURRICULUM VITAE

## PERSONAL DETAILS

**Name:** Ramya N K  
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## EDUCATION

**2016-23** PhD – Awarded on 13/05/2024  
**2007-09** MSc. Chemistry, SN College, Kannur (Affiliated to Kannur University)  
**2004-07** B.Sc Chemistry, PRNSS College, Mattanur (Affiliated to Kannur University)  
**2001-03** Higher Secondary Education, Perambra Higher Secondary School, Perambra, Kozhikode  
**2000-2001** Secondary School, National HSS, Vattoli, Kozhikode

## ELIGIBILITY TESTS

1. Qualified UGC/JRF in 2014 June Rank 83/ 736
2. Qualified GATE in Chemistry in 2010 and 2014

## RESEARCH EXPERIENCE

### Doctoral Research

Department of Chemistry, Farook College (Research Department of Calicut)

Areas of research: Organic synthesis, Supramolecular Chemistry, Stimuli responsive organic materials

## TECHNICAL SKILLS

**Instruments:** UV-Visible spectrometer, Spectrofluorimeter, HPLC, Electrospin Unit,

**Software used:** Chemdraw, Origin, Mercury, Wingx

## RESEARCH PUBLICATIONS

1. Dicyanodistyrylbenzene Based Positional isomers: A Comparative Study of AIEE and Stimuli Responsive Multicolour Fluorescence Switching, N. K. Ramya, C. Femina, Suganya Suresh, Divya S. Mohanakumari, Rethesh Krishnan and Reji Thomas, *New J. Chem.*, 2022,**46**, 1339, <https://doi.org/10.1039/D1NJ04489C>
2. Cholesterol-appended cyanostyryl thiophene positional isomers with multistimuli responsive emission switching and liquid crystalline properties, Nellyyulla Kappumchalil Ramya, Divya S. Mohanakumari, Hemalatha Balasubramanian, Rethesh Krishnan and Reji Thomas, *New J. Chem.*, 2024,**48**, 5911-5918, <https://doi.org/10.1039/D3NJ04310J>
3. Intramolecular Charge Transfer and Stimuli-Responsive Emission in Cholesterol-Appended Phenothiazine-Cyanostyryl-Based Donor–Acceptor Systems, Parappurath

Athira, Ramya Nellyulla Kappumchalil, Aditya Ramesh Sachin, Muhammed Yoosuf, Reji Thomas, and Gopinadhanpillai Gopakumar, *J. Phys. Chem. A*, 2024, **128**, 3935-3946 <https://doi.org/10.1021/acs.jpca.4c00373>.

4. Restricted Intramolecular Motion Induced Photophysical Behaviour of *o*-Alkyloxy Substituted Cyanostyrylbenzene Derivatives, Nellyulla Kappumchalil Ramya, Divya S. Mohanakumari, Hemalatha Balasubramanian, Rethesh Krishnan and Reji Thomas, (*Manuscript under revision*)

## CONFERENCE AND PARTICIPATION

- Synthesis, Characterization and Optical Property Studies Of 2, 3, 4 – Tridodecyloxysubstituted Cyanostilbene, Ramya N K, Sahala K P, and Reji Thomas, National Conference Emerging Frontiers in Chemical Science, EFCS 2019, organized by the Department of Chemistry, Farook College, Calicut (poster presentation)
- Dicyanodistyrylbenzene Based Positional isomers: A Comparative Study of AIEE and Stimuli Responsive Multicolour Fluorescence Switching, N. K. Ramya, C. Femina, Suganya Suresh, Divya S. Mohanakumari, Rethesh Krishnan and Reji Thomas, International Hybrid Event Frontiers in Chemical Science, FCS 2022 organized by Department of Chemistry, University of Calicut. (Oral presentation)
- Stimuli-responsive highly AIEE positional Isomers, Ramya N K and Reji Thomas, International Conference Emerging Frontiers in Chemical Science, EFCS 2021, organized by the Department of Chemistry, Farook College, Calicut. (Poster presentation)
- Cholesterol appended cyanostyryl thiophene positional isomers with multistimuli responsive emission switching and liquid crystalline properties. Ramya N K, Athira P, Manoj Mathews and Reji Thomas International Conference Emerging Frontiers in Chemical Science, EFCS 2023, organized by the Department of Chemistry, Farook College, Calicut. (Poster presentation).

## AWARDS AND RECOGNITION

Secured First Prize in the Oral presentation in the International Hybrid Event, Frontiers in Chemical Science, FCS 2022 organized by the Department of Chemistry, University of Calicut.

## COMMUNICATION SKILLS

English: Fluent, Malayalam: Mother language (Bilingual proficiency), Hindi: Fluent (spoken and written)

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