

BIODATA



Name : Dr. VIJI M
Designation : GUEST FACULTY
Department : CHEMISTRY
Address : POYIL (H), THAMARASSERY (P.O.), KOZHICODE-673 573
Mobile No : 9633330970
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Academic Qualification : M.Sc CHEMISTRY, NET, PhD

Experience:

- Teaching : 4 YEARS and FIVE MONTHS
- Research : 5 YEARS

Area of Interest/ specialisation: PHOTOCHEMISTRY AND PHOTOBIOLOGY

Area of Research : DESIGN AND SYNTHESIS OF TRANSITION METAL COMPLEXES

Major/Minor Research Projects: NIL

Responsibilities Undertaken (Official): NIL

Seminars Organised/ Invited Lectures: NIL

Publications in Journals (Numbers) (Title with page No, Journal, ISSN/ISBN No whether peer reviewed no. of co-authors):

1. Aza-BODIPY nanomicelles as versatile agents for the *in vitro* and *in vivo* singlet oxygen-triggered apoptosis of human breast cancer cells, N. Adarsh, P. S. S. Babu, R. R. Avirah, **M. Viji**, S. A. Nair and D. Ramaiah, *J. Mater. Chem. B*, **2019**, 7, 2372-2377.
2. *In Vitro* and *In Vivo* Demonstration of Human-Ovarian-Cancer Necrosis through a Water-Soluble and Near-Infrared-Absorbing Chlorin, M. Betsy, B. Madhuri, **M. Viji**, S. C. Karunakaran, J. Jose, S. Cherukommu, T. K. Chandrashekar, K. S. Rao, Ch M. Rao, and D. Ramaiah, *J. Med. Chem.*, **2018**, 61, 5009-5019.
3. Aryl Appended Neutral and Cationic Half-sandwich Ruthenium(II)-NHC Complexes: Synthesis, Characterization and Catalytic Applications, **M. Viji**, N. Tyagi, N. Neeraj and D. Ramaiah, *New J. Chem*, **2017**, 41, 12736-12745.
4. Design of Air and Moisture Stable Ruthenophane and Ruthenium(II)- π Complexes and Study of Their Applications in Catalysis, **M. Viji**, N. Tyagi and D. Ramaiah, *ChemistrySelect*, **2017**, 2, 11195-11199.
5. Metal Ion Complexation Induced Intermolecular Interactions and Enhanced Biological Activity of Naphthalimide Appended Tripodal System, N. Tyagi, **M. Viji**, S. C. Karunakaran, S. Varughese, S. Ganesan, S. Priya, P. S. Saneesh Babu, A. S. Nair and D. Ramaiah, *Dalton Trans.*, **2015**, 44, 15591-15601.
6. Fluorescent Chemodosimeter Based on NHC Complex for Selective Recognition of Cyanide Ions in Aqueous Medium, **M. Viji**, A. K. Nair, P. C. Nandajan and D. Ramaiah, *RSC Adv.*, **2014**, 4, 47982-47986.

Paper Presentations (Number): 2

Seminars Attended

International (No) : NIL

National : 4

State level : 1

Books Published (Title with page No, book title, editor and publisher ISSN/ISBN no. whether peer reviewed no. of co-authors) : NIL

Articles Published in Magazines (Title with page No editor and publisher ISSN/ISBN no. whether peer reviewed no. of co-authors): NIL

Membership in Professional Bodies: NIL

Honours and Awards:

1. Certificate of Merit: Best student award, GVHSS, Thamarassery, Calicut, Kerala (2004).
2. Certificate of Merit (General Proficiency): Providence Women's College, Calicut, Kerala, 2006-2009.
3. CSIR-Junior Research Fellowship and NET: Council of Scientific and Industrial Research, December, 2010.
4. Secured 1st rank: M. Sc Applied Chemistry, Calicut University, 2011.
5. Professor M. P. Kannan Endowment Prize: Prof. M. P. Kannan Endowment Committee, Department of Chemistry, University of Calicut, 2009-2011.
6. Professor Geetha Parameswaran Endowment Award: Prof. Geetha Parameswaran Endowment Trust, 2011.