

Department of Chemistry

Dr.Divya V

DETAILED FACULTY BIODATA		
Sl No	Name	Dr. Divya V
1.	Designation	Assistant Professor & IQAC Co-ordinator, Recognized Research Guide, University of Kerala
2.	Department	Chemistry
3.	Contacts Numbers	8281390258
4.	Email	divyavchem@gmail.com
5.	Date of Entry into service	22/01/2016
6.	Educational Qualifications	M.Sc. , CSIR-JRF, P.h.D
7.	Areas of Interest/Specialisation	Organic chemistry, Inorganic Chemistry
8.	Courses/subject Taught	Chemistry
9.	Field of Research	Lanthanide molecular materials, Nano materials, Bioimaging, Rare earth pigments
10.	Guideship Details	Nil
11	Experience	7 years
12.	Memberships in Learned Bodies/Societies, If any	Member, Accademy of chemistry teachers
13.	Scholarship/Fellowships obtained	1CSIR-JRF, 2008 June
16.	Orientation courses Attended	<ul style="list-style-type: none">UGC – HRDC, University of Kerala Kariavattom, 16.10.2019 to 05.11.2019
17.	Refresher Courses Attended	<ul style="list-style-type: none">UGC- HRDC University of Kerala Kariavattom, 11.01.2020 to

		<p>24.01.2020</p> <ul style="list-style-type: none"> Short term course in Group theory , UGC- HRDC University of Kerala Kariavattom,
18.	Seminars/workshops/Trainings organized	<p>International Webinar on “ Nutrigenetics, Synthetic Chemicals and Obesity”, 14 September, 2020 at S. N. College Punalur SSP CLUSTER WORKSHOP, 21/01/2017 at S. N. College Punalur</p>
19.	Seminars/Conferences Attended	<p>Attended 10 National Seminars and International Seminars.</p>
20.	Workshops/Trainings/Short term courses/Professional Development Courses Attended	<ol style="list-style-type: none"> V. Divya, Environmental Friendly Nontoxic Ca²⁺ Doped Mixed Rare Earth Pigments, International Seminar on Environment, Society and Economy, 2017 at St. Joseph College Alapuzha. V. Divya, Highly efficient visible-light sensitized europium β-diketone complex grafted on silica nanoparticles for OLED applications, DST-SERB sponsored International Conference on Advanced Materials (ICAFM2018), 2018, S. B. College Changanessery, V. Divya, S. Biju, R. Luxmi Varma and M. L. P. Reddy, “Highly efficient visible light sensitized red emission from europium tris[1-(4-biphenoyl)-3-(2-fluoroyl)propanedione](1,10-phenanthroline) complex grafted on silica nanoparticles” in 5th Mid-Year Chemical Research Society of India , Symposium in Chemistry, 2010, Thiruvanthapuram, Kerala. V. Divya, Sarika Siva kumar,

		<p>Ramya A. R, Ricardo O. Friere and M. L. P. Reddy, “Remarkable tuning of the excitation wavelength from UV to visible region in Eu^{3+}-β-diketonate complexes: Comparison of theoretical and experimental photophysical properties”, 5th CRSI-RSC Joint Symposium in Chemistry, 2011, Bhubaneswar.</p> <p>5. V. Divya, Biju Francis, Ricardo O. Friere and M. L. P. Reddy, “Highly efficient visible light excited red emitting materials for OLED applications”, STAR 2011, Munnar, Kerala.</p> <p>6. V. Divya, Vandana Sankar, K.G. Raghu and M. L. P. Reddy “A highly luminescent europium complex showing visible-light-sensitized red emission: Applications in live cell imaging”, 14th National Symposium in Chemistry (NSC-14) and 5th CRSI-RSC Symposium in Chemistry, 2012, Thiruvanthapuram, Kerala.</p> <p>7. V. Divya , Sarika Sivakumar and M. L. P. Reddy, “Visible-light excited red emitting luminescent nanocomposites derived from Eu^{3+}-phenathrene-based fluorinated β-diketonate complex and multi-walled carbon nanotubes”, TAPSUN, 2012, Delhi, India.</p> <p>8. V. Divya and M. L. P. Reddy, “Visible-light excited red emitting luminescent nanocomposites derived from Eu^{3+}-β-diketonate complex and multi-walled carbon nanotubes”, Nano India, 2013, Thiruvanthapuram, Kerala.</p>
21.	Academic Responsibilities Undertaken	<p>Recognized Research Guide, University of Kerala</p> <p>Convenor/ Coordinator - IQAC, Scholar</p>

	support programme, Deaddiction club, Counselling Cell, YIP
	Member- Research Cell, Website committee, Antiragging cell, Health club, IQAC, Centralized Confidential Grievance Redressal Cell, Red ribbon, Tutorial system

List out Publications and Presentations

Papers Published in International Journals

1. M.L.P Reddy, **V Divya**, K S Bejoymohandas, Luminescent lanthanide molecular materials as potential probes for the recognition of toxic and biologically important cations, *Dyes and Pigments* 215 (2023) 111248.
2. Divya Jayan, **Divya V**, Anitha Kumary Vidhadharan, Cobalt Ferrite Nanoparticles Modified Glassy Carbon Electrode for the Voltammetric Detection of Dopamine, *Anal. Bioanal. Electrochem.*, Vol. 14, No. 8, 2022, 742-752 .
3. M.L.P Reddy, K S Bejoymohandas , **V Divya**, Luminescent Lanthanide Coordination Compounds as Potential Mitochondria-targeting Probes: Molecular Engineering to Bioimaging, *Dyes and Pigments*, <https://doi.org/10.1016/j.dyepig.2022.110528> , 2022.
4. **Divya V.**, Divya Jayan, Asoka Kumar, Environmentally benign rare earth pigments: effect of calcium dopant and tuning of bandgaps for different color hues, *Pigment & Resin Technology*, <https://doi.org/10.1108/PRT-07-2021-0083>.
5. M. L. P. Reddy, **V. Divya** and R. Pavithran, “Visible-light sensitized luminescent europium(III)- β -diketonate complexes: bioprobes for cellular imaging ”, *Perspective, Dalton Trans.*, 2013, 42, 15249–15262.
6. **V. Divya**, Vandana Sankar, K. G. Raghu and M. L. P. Reddy, “Mitochondria-specific visible-light sensitized europium complex with red emission”, *Dalton Trans.*, 2013, 42, 12317–12323.
7. **V. Divya**, and M. L. P. Reddy, “Visible-light excited red emitting luminescent nanocomposites derived from Eu^{3+} -phenanthrene-based fluorinated β -diketonate complex and multi-walled carbon nanotubes” *J. Mater. Chem. C*. 2013, 1, 160-170 (**Accepted as Hot article**).
8. **V. Divya**, Ricardo O. Freire and M. L. P. Reddy, “Tuning of the excitation wavelength from UV to visible region in Eu^{3+} - β -diketonate complexes: Comparison of theoretical and experimental photophysical properties.” *Dalton Trans.* 2011, 40, 3257–3268.
9. **V. Divya**, S. Biju, R. Luxmi Varma and M. L. P. Reddy, “Highly efficient visible light sensitized red emission from europium tris[1-(4-biphenyl)-3-(2-

- fluoroyl)propanedione](1,10-phenanthroline) complex grafted on silica nanoparticles”, *J. Mater. Chem.* 2010, 20, 5220–5227.
10. V.S. Vishnu, Giable George, **V. Divya**, M. L. P. Reddy, “Synthesis and characterization of new environmentally benign tantalum-doped $\text{Ce}_{0.8}\text{Zr}_{0.2}\text{O}_2$ yellow pigments: Applications in coloring of plastics”, *Dyes and Pigments*, 2009, 82, 53–57.