

**NAME: Dr Divya V**

**DESIGNATION: Assistant Professor in Chemistry**

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**EDUCATIONAL QUALIFICATION: M. Sc. Chemistry, CSIR-JRF, Ph.D.**

**AREA OF INTEREST: Inorganic Chemistry, Nano materials, Spectroscopy**

**SPECIALISATION: Inorganic Chemistry**

**TEACHING EXPERIENCE: 6 years 4 months**

Designation	Institution	Period
Assistant professor(contract)	N.S.S. Cherthala	2015-16
Assistant professor	S. N College Punalur	22/01/2016 -till date

#### **ADMINISTRATIVE POSITIONS HELD:**

Convenor/ Coordinator - Scholar Support Programme, Deaddiction club, Counselling Cell

Facilitator- Young Innovators Programme (YIP)

Member- Internal Complaint Committee, Research Cell, Website committee, Antiragging cell, Health club, IQAC, Centralized Confidential Grievance Redressal Cell, Red ribbon, Tutorial system.

#### **PUBLICATIONS**

1. DivyaV., 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>.
2. M. L. P. Reddy, **V. Divya** and R. Pavithran, "Visible-light sensitized luminescent europium(III)- $\beta$ -diketonate complexes: bioprobes for cellular imaging ", Perspective, *Dalton Trans.*, 2013, 42, 15249–15262.
3. **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.
4. **V. Divya**, and M. L. P. Reddy, "Visible-light excited red emitting luminescent nanocomposites derived from  $\text{Eu}^{3+}$ -phenanthrene-based fluorinated  $\beta$ -diketonate complex and multi-walled carbon nanotubes" *J. Mater. Chem. C*. 2013, 1, 160-170 (Accepted as Hot article).
5. **V. Divya**, Ricardo O. Freire and M. L. P. Reddy, "Tuning of the excitation wavelength from UV to visible region in  $\text{Eu}^{3+}$ - $\beta$ -diketonate complexes: Comparison of theoretical and experimental photophysical properties." *Dalton Trans.* 2011, 40, 3257–3268.
6. **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.
7. V.S. Vishnu, Giable George, **V. Divya**, M. L. P. Reddy, “Synthesis and characterization of new environmentally benign tantalum-doped  $Ce_{0.8}Zr_{0.2}O_2$  yellow pigments: Applications in coloring of plastics”, *Dyes and Pigments*, 2009, 82, 53–57.

## CONFERENCES

### Papers Presented

1. **V. Divya**, Environmental Friendly Nontoxic  $Ca^{2+}$  Doped Mixed Rare Earth Pigments, International Seminar on Environment, Society and Economy, 2017 at St. Joseph College Alapuzha.
2. **V. Divya**, Highly efficient visible-light sensitized europium  $\beta$ -diketone complex grafted on silica nanoparticles for OLED applications, DST-SERB sponsored International Conference on Advanced Materials (ICAFM2018), 2018, S. B. College Changanessery,
3. **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 5<sup>th</sup> Mid-Year Chemical Research Society of India , Symposium in Chemistry, 2010, Thiruvanthapuram, Kerala.
4. **V. Divya**, Sarika Siva kumar, Ramya A. R, Ricardo O. Friere and M. L. P. Reddy, “Remarkable tuning of the excitation wavelength from UV to visible region in  $Eu^{3+}$ - $\beta$ -diketonate complexes: Comparison of theoretical and experimental photophysical properties”, 5th CRSI-RSC Joint Symposium in Chemistry, 2011, Bhubaneswar.
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.
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”, 14<sup>th</sup> National Symposium in Chemistry (NSC-14) and 5th CRSI-RSC Symposium in Chemistry, 2012, Thiruvanthapuram, Kerala.
7. **V. Divya** , Sarika Sivakumar and M. L. P. Reddy, “Visible-light excited red emitting luminescent nanocomposites derived from  $Eu^{3+}$ -phenathrene-based fluorinated  $\beta$ -diketonate complex and multi- walled carbon nanotubes”, TAPSUN, 2012, Delhi, India.
8. **V. Divya** and M. L. P. Reddy, “Visible-light excited red emitting luminescent nanocomposites derived from  $Eu^{3+}$ - $\beta$ -diketonate complex and multi- walled carbon nanotubes”, Nano India, 2013, Thiruvanthapuram, Kerala.