

Dr. DIVYASREE M C
KARTHIKA (H)
UNNIRARICHAN KANDY PARAMBA
KSHB COLONY
P O MEDICAL COLLEGE
CALICUT-673008
mcdivyasree@gmail.com
Ph No: 9745669152

QUALIFICATIONS:

Degree	Institution	Board/University	Marks (percentage)	Year of Passing
SSLC	Medical college campus GHSS	Kerala Secondary Education Examination Board	88	1997
Pre degree	Govt. Arts and Science College	University of Calicut	77.6	1999
BSc Physics	Govt. Arts and Science College	University of Calicut	86.1	2002
MSc Physics	Govt. Arts and Science College	University of Calicut	69.1	2004
BEd Physical Science	Govt. College of Teacher Education Calicut	University of Calicut	60.1	2007
PhD Physics	National Institute of Technology Calicut	National Institute of Technology Calicut	NA	2018

OTHER QUALIFICATIONS

- State eligibility test(SET) Jan 2005
- National eligibility test(NET) June 2011

LIST OF PUBLICATIONS:

1. **M. C. Divyasree**, E. Shiju, M. V. Vijisha, M. T. Ramesan, and K. Chandrasekharan, “Phenomenal enhancement of optical nonlinearity in PTZ-I based ZnS/ZnSe nanocomposites,” *Optical Materials*, vol. 79, pp. 72–77, 2018.
2. **M. C. Divyasree**, K. Vasudevan, K. K. Abdul Basith, P. Jayakrishnan, M. T. Ramesan, and K. Chandrasekharan, “Third-Order Nonlinear Optical Properties of Phenothiazine-Iodine Charge Transfer Complexes in Different Proportions,” *Journal of Optics and Laser Technology*, vol. 105, pp. 94–101, 2018.
3. **M. C. Divyasree** and K. Chandrasekharan, “Structural and nonlinear optical characterizations of ZnS/ PVP nanocomposites synthesized by pulsed laser ablation,” *Optical Materials*, vol. 67, pp. 119–124, 2017.
4. **M. C. Divyasree**, E. Shiju, J. Francis, P. T. Anusha, S. V. Rao, and K. Chandrasekharan, “ZnSe/PVP nanocomposites: Synthesis, structural and nonlinear optical analysis,” *Materials Chemistry and Physics*, vol. 197, pp. 208–214, 2017.
5. **M.C. Divyasree**, Shiju.E, DijoPrasannan, Chandrasekharan.K, “ZnSe-BODIPY hybrid system for nonlinear optical switching applications” *Materials Chemistry and Physics*, vol. 232, pp. 311–318, 2019.
6. **M. C. Divyasree**, N. K. S. Narendran, and K. Chandrasekharan, “Third Order Nonlinear Optical Studies of ZnS Nanostructures Synthesized by Laser Ablation Technique,” *Springer Proceedings in Physics*, vol. 189, pp. 171–178, 2017.
7. S. Edappadikkunnummal, S. N. Nherakkayil, V. Kuttippurath, **M C Divyasree**, N. R. Desai, and C. Keloth, “Surface Plasmon Assisted Enhancement in the Nonlinear Optical Properties of Phenothiazine by Gold Nanoparticle,” *Journal of Physical Chemistry C*, vol. 121, no. 48, pp. 26976–26986, 2017.
8. K. Sabira, P. Saheeda, **M. C. Divyasree**, and S. Jayalekshmi, “Impressive nonlinear optical response exhibited by Poly(vinylidene fluoride) (PVDF)/reduced graphene oxide (RGO) nanocomposite films,” *Journal of Optics and Laser Technology*, vol. 97, pp. 77–83, 2017.
9. Praseetha K.P, **Divyasree M.C**, Nimmy John V, Chandrasekharan K, Soney Varghese “Enhanced optical nonlinearity in nematic liquid crystal on doping with CdSe quantum dot” *Journal of Molecular Liquids*, vol. 273, pp. 497-503, 2019

10. K Vasudevan, **M C Divyasree**, K Chandrasekharan "Enhanced Nonlinear Optical Properties of ZnS Nanoparticles in 1 D Polymer Photonic Crystal Cavity," Optics and Laser Technology", vol.114, pp. 35–39, 2019

PAPERS/ POSTERS PRESENTED IN NATIONAL AND INTERNATIONAL CONFERENCES/SYMPOSIUMS

1. **M C Divyasree**, Dijo Prasannan, Chellaiah Arunkumar, and K Chandrasekharan, "Tuning of the nonlinear optical switching properties of Dibromo Phenyl Bodipy on Composite formation with ZnS nanostructures" DAE- BRNS National Laser Symposium 26 (NLS-26), Bhabha Atomic Research Centre, Department of Atomic Energy, Mumbai-400085, Maharashtra, India. December 20-23, 2017.
2. **M.C. Divyasree**, E. Shiju, Jaismon Francis, and K. Chandrasekharan, "Nonlinear Optical Investigations of ZnSe/PVP nanocomposites Synthesized by Pulsed Laser Ablation" Recent Advances in Optical Sciences-II, School of Physics, University of Hyderabad, May 6-7, 2016
3. **M. C. Divyasree**, N. K. Siji Narendran, and K. Chandrasekharan, "Third Order Nonlinear Optical Studies of ZnS Nanostructures Synthesized by Laser Ablation Technique." International Conference on Recent Trends on Materials Science and Applications (ICRTMSA 2016), Jamal Mohamed college, Tiruchirappalli, India, 29 February 2016 (Best oral presentation).
4. **M.C. Divyasree**, E. Thusara, N.K. Siji Narendran and K. Chandrasekaran, "Nonlinear absorption studies of PbS quantum dots" DAE- BRNS National Laser Symposium 22(NLS-22) held at Manipal University, Manipal, Karnataka, January 8-11, 2014

PROFESSIONAL EXPERIENCE

- 1.5 years experience as Assistant professor(Adhoc) in Govt engineering college Calicut
- Six years research experience in Laser and Nonlinear optics lab, Department of Physics, National Institute of Technology Calicut (2012-2018)
- 4 months teaching experience in National Institute of Technology Calicut(Jan 2012-May 2012)
- 1 month teaching experience in Govt. Engineering College Calicut (Jan-Feb 2011)
- 2 years teaching experience as HSST in Presentation higher secondary school (Nov 2007-March 2009)

- 4 months teaching experience as HSST in Markaz higher secondary school (Dec 2004-March 2005)
- Worked as a resource person under Newspaper In Education program of The Hindu Newspaper (July 2005-March 2006)

RESPONSIBILITIES/POSITION

- Union chairperson during BEd course

OTHER INTERESTS

Social services, counselling, transactional analysis, psychological aspects of learning and spiritual classes

LANGUAGES KNOWN

English, Hindi, Malayalam

HOBBIES

Gardening and cooking

REFERENCES

Dr. Chandrasekharan K, Professor, Department of Physics, National Institute of Technology Calicut.

Dr Ravi Varma, Professor, Department of Physics, National Institute of Technology Calicut.

Dr. K Sabira, Associate Professor, Department of Physics, Government Arts and Science College. Meenchanda, Kozhikode, Kerala 673018