

Dr.M.DINESH RAJA
 Assistant Professor,
 Department of Physics,
 St.Joseph's College(Autonomous),
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Educational qualifications

CLASS / COURSE	NAME OF THE INSTITUTION	BOARD/UNIVERSITY	YEAR OF PASSING	MARKS %
Ph.D (Physics)	Loyola College, Chennai	Madras University	2015	
M.PHIL (Physics)	St.Joseph's College of Arts & Science, Cuddalore	Thiruvalluvar University	2011	81
M.Sc (Physics)	Loyola College, Chennai	Madras University	2010	61
B.ED	Annamalai University	Annamalai University	2008	65
B.Sc (Physics)	St.Joseph's College of Arts & Science, Cuddalore	Thiruvalluvar University	2007	59.3
HSC	St.Joseph's Hr.Sec School, Cuddalore	State Board	2004	63
SSLC	Don Bosco Hr.Sec school, Varadarajanpettai	State Board	2002	73

Work Experience

- Assistant Professor of Physics in Department of Physics, St.Joseph's College (Autonomous), Tiruchirapalli. (June 2016-Till Date).
- Assistant Professor of Physics in Department of Physics, Sacred Heart College (Autonomous), Tirupattur, Vellore District. (June 2015-may 2016).
- Assistant Professor of Physics in Department of Physics, Bharath University, Chennai-73. (Aug 2014-may 2015).

Computer Skills

- Proficiency in typing and MS Office
- Good working knowledge on Origin and Gaussian 09 Software package

Papers Published In International Journals

1. Spectroscopic, Hyperpolarizability and Optical Properties of N-benzyl-2-methyl-4 nitro aniline (BNA) Single Crystal S.Attralarasan¹, J.Madhavan, P.Christuraj and, **M.Dinesh Raja**, International Journal of Scientific Research in Science and Technology (IJSRST) Print ISSN : 2395-6011, Online ISSN : 2395-602X, Volume 3(Page 15-19), Issue 11, November-December-2017.
2. Spectroscopic, Mechanical and Optical Studies of L-Valine Picrate (LVP) Single Crystal P. Christuraj A. Varalakshmi and **M. Dinesh Raja**, International Journal of Scientific Research in Science and Technology (IJSRST) Print ISSN : 2395-6011, Online ISSN : 2395-602X, Volume 3(Page 53-58), Issue 11, November-December-2017.
3. Synthesis, Growth and Characterization of Trifluoroacetyl Glycine (TFAG) Single Crystal P. Christuraj N. Sellam, **M. Dinesh Raja**, International Journal of Scientific Research in Science and Technology (IJSRST) Print ISSN : 2395-6011, Online ISSN : 2395-602X, Volume 3(Page 49-52), Issue 11, November-December-2017.
4. Spectroscopic, Mechanical and Optical Properties of L-Serine Ammonium Carbonate (LSAC) Single crystal, **M.Dinesh Raja**, P.Christuraj and J.Madhavan, International Research Journal of Engineering and Technology (IRJET), Volume: 04 (113-116) Special Issue: 09 e-ISSN: 2395-0056, Sep -2017
5. Linear and Nonlinear Optical Properties of metal incorporated L-Serine Crystal P. Christuraj, **M. Dinesh Raja** and J. Madhavan, International Research Journal of Engineering and Technology (IRJET), Volume: 04 (75-77) Special Issue: 09 e-ISSN: 2395-0056, Sep -2017.
6. Growth and characterisation of a semi-organic NLO material–glycine nickel (ii) chloride dihydrate single crystals A. Chitra, **M. Dinesh Raja**, E. Kavitha, J. Madhavan , IOSRD International Journal of Physics Volume 2, Issue 1, January 2016, Pages 13-18.
7. Structural and optical properties of L-Ornithine Monohydrochloride, **M. Dinesh raja**, C. Maria Ashok Kumar and J. Madhavan, Invertis Journal of Science and Technology, vol.9, No.1,2016; pp.25-29
8. Structural, Vibrational, Optical and Dielectric Studies on Bis-Glycine Lithium Molybdate A. Chitra, **M. Dinesh Raja**, E. Kavitha and J. Madhavan, ISSN 0973-4562 Vol. 10 No.68, 2015
9. Spectroscopic And Thermodynamic Properties Of L-Ornithine Monohydrochloride, **M.Dinesh Raja**, C. Maria Ashok Kumar, S. Arulmozhi and J. Madhavan, AIP Conference Proceedings 1665, 060008 (2015); doi: 10.1063/1.4917843

10. Structural and spectroscopical studies on L-phenylalanine Lphenylalaninium-benzoic acid **M. Dinesh Raja**, S. Arulmozhi and J. Madhavan, International Journal of Chemtech Research, Vol 6, No 3, pp 1729-1732, May-June 2014.
11. UV-Vis, HOMO-LUMO And Hyperpolarizability of L-phenylalanine L-Phenylalaninium-Benzoic acid, **M. Dinesh Raja**, S. Arulmozhi and J. Madhavan, International Journal of Scientific & Engineering Research, Volume 5, Issue 3, March-2014, ISSN 2229-5518.
12. A spectroscopic approach: Structural and nonlinear optical properties of L-ProliniumTartarate, **M. Dinesh Raja**, S. Arulmozhi, J. Madhavan and S. Senthil, International Journal of Chem tech Research 2014, Vol 6, 1, pp 31-35.
13. Vibrational Spectral investigation of nonlinear optical L- Asparagine- L- Tartaric acid: A combination of Experimental and Theoretical study, **M. Dinesh Raja**, S. Arulmozhi and J. Madhavan, Scientia Acta Xaveriana, Vol4 (1) (2013) 87-90.
14. Theoretical Study of geometrical and nonlinear optical properties of LHPCL single crystal, S. Arulmozhi, **M. Dinesh Raja** and J. Madhavan American Institute of Physics 1591, 2014, 1212
15. Synthesis Of Cds Quantum Dots By Reverse Micelle Method S. Shri Prasad, **M. Dinesh Raja**, J. Madhavan, International Conference on Advanced Nanomaterials and Emerging Engineering Technologies (ICANMEET), 2013, 2013, pp. 38-39.
16. Linear and Nonlinear properties of L- HistidiniumDinitrate, S. Arulmozhi, **M. Dinesh Raja** and J. Madhavan, AIP Conference Proceedings, 57(2013)1224-1225.
17. Synthesis, Growth and Characterization of Unidirectional L- Histidine Acetate Single Crystal, G. Prabakaran, S. Arulmozhi, **M. Dinesh Raja** and J. Madhavan, IOSR Journal of Applied Physics, Vol. 2, Issue 6, Jan –Feb 2013.
18. Growth and Characterization of Pure and Doped L- Phenylalanine Maleate Single Crystals U. Karunanithi, S. Arulmozhi, **M. Dinesh Raja** and J. Madhavan International Journal of Engineering Research and Development (2012), Vol. 3, PP 51-55

International Conferences

1. Vibrational Spectral Investigation of Nonlinear Optical L-Ornithine Monohydrochloride: A Combination of Experimental and Theoretical Study, **M. Dinesh Raja**, S. Arulmozhi and J. Madhavan, International conference on Emerging Trends in Chemical Sciences VIT University(IETC 2013), Vellore, December 5-7, 2013.

2. Theoretical Study of geometrical and nonlinear optical properties of LHPCL single crystal, S. Arulmozhi, **M. Dinesh Raja** and J. Madhavan, 58th DAE – SSPS, Thapar University, Patiala, Punjab, December 17-21, 2013.
3. International conference on Emerging Trends in Physics, St Joseph`s college of arts and science (Autonomous), Cuddalore, 2013-02-21
4. UV Spectral Investigation, HOMO-LUMO and Hyperpolarizability of L-Phenylalanine L-Phenylalaninium-Benzoic Acid, **M. Dinesh Raja**, S. Arulmozhi and J. Madhavan, The International Conference on "Recent Advances in Physics for Interdisciplinary Developments (ICRAPID-14)"ICRAPID – 2014, Sathyabama University, Chennai, 23-24 Jan, 2014.
5. Structural and spectroscopical studies on L-phenylalanine L-phenylalaninium-benzoic acid **M. Dinesh Raja**, S. Arulmozhi and J. Madhavan International Conferences on Materials and Charecterization techniques (ICMCT 2014) March 10-12, 2014 .
6. Spectroscopic And Thermodynamic Properties Of L-Ornithine Monohydrochloride, **M.Dinesh Raja**, C. Maria Ashok Kumar, S. Arulmozhi and J. Madhavan, 59th DAE – SSPS, VIT University, Vellore, Tamil Nadu, December 16-20, 2014.
7. One Day International Seminar on Materials Science & Technology (ISMST 2017) 4th August 2017 Organized by Department of Physics, Mother Teresa Women`s University, Kodaikanal, Tamilnadu, India.
8. International Conference on Advanced Materials, St.Josephs college(Autonomous), Truchirappalli-02, 14-12-2017

National Conferences

1. Theoretical investigations of L- Threonine Acetate by means of Density Functional Theory, **M. Dinesh Raja**, S. Arulmozhi and J. Madhavan, XXIV-NSCG, National Conference, Anna University, Dec 20-22, 2012
2. Growth, Linear and Nonlinear Optical Studies on L- Alaninium Maleate, **M. Dinesh Raja**, S. Arulmozhi and J. Madhavan, NCPLAS2013, National Conference, Dr. M. G. R University, 15 Feb, 2013.
3. Vibrational Spectral investigation of nonlinear optical L- Asparagine –L-Tartaric acid: A combination of experimental and theoretical study, **M. Dinesh Raja**, S. Arulmozhi and J. Madhavan, National Conference, St. Xaviers College, Palayamkottai, Feb 14-15, 2013.
4. Vibrational Spectroscopic and quantum chemical investigationson L- HistidineHydrofluoride dehydrate, S. Arulmozhi, **M. Dinesh Raja** and, V. Kathiravan, S. Pari, J. Madhavan, National Conference, National College, Trichy, March 13-15, 2013.

5. Vibrational spectroscopic and first order hyperpolarizability of L- Histidine Perchlorate using DFT method. **M. Dinesh Raja**, S. Arulmozhi, S. Kavimani, S. Pariand J. Madhavan, National Conference, National College, Trichy, March 13-15, 2013.
6. Spectral Investigation of L-Arginine Maleate: A Combination of Experimental and Density Functional Theory, **M. Dinesh Raja** and J. Madhavan, National Conference on Innovative Trends in – Materials Science (ITMS-2013) ITMS – 2013, National Conference, Arignar Anna College, Aralvoymoli, August 23-24, 2013.
7. Density Functional theory studies on L-Proline Tartrate, **M. Dinesh Raja** and J. Madhavan, Second National Seminar on New Materials Research and Nanotechnology (NSNMRN – 2013), Government Arts College, Ooty, Sep 25-27, 2013.
8. National level workshop on Analytical techniques for research in chemistry-2015, B.S. Abdur rahman university, Chennai, 21-04-2015.
9. Spectroscopy and its Perspectives, sacred Heart college (Autonomous), Tirupattur, vellore dist, 10-09-2015.
10. Workshop on advanced physics experiments for college teachers, St. Joseph's college, Trichy, 18-12-2015.
11. Faculty orientation programme on value education, St Joseph college, Trichy, 17-08-2016.
12. National conference on Advanced materials-2016 (NCAM-2016), St Joseph college, Trichy, 07-10-2016.
13. National Conference on Recent Trends in Electronics (NCRE-2018), St. Josephs college (Autonomous), Truchirappalli-02, 08-01-2018.
14. Tuning Young Faculty Towards Effective Teaching, St. Christophers college of Education, Chennai-600 007, 23-29-01-2018.

Leadership Responsibilities Undertaken

- Active NSS Volunteer from 2004 to 2007
- Class Representative of 04 PH batch from 2004 to 2007
- Joint Secretary for the Association in the Department of Physics from 2005 to 2006
- Secretary for the Association in the Department of Physics from 2006 to 2007
- Captain for the table tennis team in 2006 to 2007
- Vice Captain for the Science Departments from 2006 to 2007

Curricular and Co-Curricular Achievements

- Won First place in Physics quiz competition at UG level
- Won Second place in Tamil elocution competition at UG level

- Best volunteer in outreach at PG level
- Won Second place in Poster Presentation in “Advances in Material Sciences” at Loyola College in 2007
- Attended Physics Learning Camp (RVSP) for UG students conducted by Department of Science and Technology organized by Pondicherry Science Forum
- Winner at Table Tennis at Cuddalore Divisional level (2005 and 2007)

Hobbies and Interests

- Playing Table Tennis
- Listening to Music

Personal Details

Name : M.Dinesh Raja
DOB : 27 – 10 - 1986
Age : 32
Gender : Male
Father’s name : M.Moses
Marital status : Married
Languages known : Tamil, English

Declaration

I hereby declare that the information furnished above is true to the best of my knowledge and conscience.

Place: Thiruchirapalli

Date:

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