**Mr.N.MOORTHY, M.Sc., M.Phil., (Ph.D).,**

N0.28.Sivan Koil Street, 4.Kadalangudi, Kuttalam Taluk, Nagapattinam District

Email: moorthys\_28@yahoo.com, Contact no: 9943429855, 9500441483.

**EDUCATION**

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| --- | --- | --- | --- |
| **YEAR** | **COURSE** | **INSTITUTION** | **%**  |
| 2016 | Ph.D. Physics | T.B.M.L.College Porayar-609307. | Thesis Submitted |
| 2007 | M.Phil. Physics | T.B.M.L.College Porayar-609307. | 78 |
| 2006 | M.Sc. Physics | T.B.M.L.College Porayar-609307. | 69 |
| 2004 | B.Sc. Physics | T.B.M.L.College Porayar-609307. | 61 |
| 2001 | HSC | G.Hr.Sec.School Kuttalam-609806. | 57 |
| 1999 | SSLC | G.Hr.Sec.School Kuttalam-609806. | 62 |

**RESEARCH INTERESTS**

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| * Crystal Growth
 | * Quantum Chemical Calculations
 | * Nanomaterials
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**EMPLOYMENT HISTORY**

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| * **Asst.Professor / Physics, Department of Science & Humanities,** EGS Pillay Engineering College, Nagapattinam.Affiliated to Anna University, Chennai.
 | 27th Jan 2016 – till date |
| * **Asst.Professor / Physics, Department of Science & Humanities** C.K. College of Engineering and Technology, Cuddalore. Affiliated to Anna University, Chennai.
 | 03rd Aug 2011 – 28th May 2014 |
| * **Lecturer / Physics, Department of Science & Humanities** Thirumalai Engineering College, Kanchipuram. Affiliated to Anna University, Chennai.
 | 05th Nov 2008 – 01st Aug 2011 |
| * **PG Assistant / Physics,** S.J.M.Hr.Sec.School, Mayiladuthurai.
 | July 2007 – Oct 2008 |
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**PEER REVIEWED JOURNAL PUBLICATIONS**

1. **N.Moorthy,** P.C.Jobe Prabakar, S.Ramalingam, G.V.Pandian, P.Anbusrinivasan “Vibrational, NMR and UV-Visible spectroscopic investigation and NLO studies on Benzaldehyde thiosemicarbazone using computational calculations”, Journal of Physics and Chemistry of Solids, 91 (2016) 55–68.
2. **N.Moorthy,** P.C. Jobe Prabakar, S. Ramalingam b, S. Periandy, K. Parasuraman “Vibrational, NMR and UV-Visible spectroscopic investigation, VCD and NLO studies on Benzophenone thiosemicarbazone using computational calculations”. Journal of Molecular Structure, 1110 (2016) 162-179.
3. **N.Moorthy,** P.C.Jobe Prabakar, S.Ramalingam, M.Govindarajan, S. Joshua Gnanamuthu a, G.V.Pandian d “Spectroscopic analysis, AIM, NLO and VCD investigations of acetaldehyde thiosemicarbazone using quantum mechanical simulations”. Journal of Physics and Chemistry of Solids, 95 (2016) 74–88.

**PEER REVIEWED CONFERENCE PRESENTATIONS / PARTICIPANTS**

1. **N.Moorthy** ‘LASER AND PLASMA TECHNOLOGY’, National conference on Applied Science and Language (NCASL) 2016 sponsored by Institution of Engineers in India (IEI) Student Branch, Conducted by Department of Science and Humanities, E.G.S.Pillay Engineering College Nagapattinam, dated 02.04.2016.
2. **N.Moorthy** “Spectroscopic investigation of the stimulus of NLO property on acetone thiosemicarbazone using computational [HF and DFT] confinement”, ICRTMSA-2016, Jamal Mohamed College (Autonomous), Tiruchirappalli.
3. Attended the one day INTERNATIONAL CONFERENCE ON RECENT TRENDS IN MATERIALS SCIENCE AND APPLICATIONS (ICRTMSA-2016), organized by the Jamal Mohamed College (Autonomous), Tiruchirappalli, on 29th February 2016.
4. Participated three days CUTE-DAE Workshop on “Advances in Computational Material Science”, organized by the Central University of Tamilnadu, Thiruvarur between April 23-25, 2015.
5. Participated in the One day National level Seminar on “THE ART OF SCIENTIFIC WRITING” Organized by the Internal Quality Assurance Cell (IQAC), Dharmapuram Gnanambigai Govt.Arts College (W), Mayiladuthurai on 31st January 2015.
6. Attended UGC Sponsored Seminar on Renewable Energy Sources and their Utilization held at Poombuhar College (Autonomous), Melaiyur on 28th January 2015.
7. Attended one day National Workshop on “Instrumentation Techniques in Physics”, organized by the SCSVMV University Kanchipuram, held on October 31st 2014.
8. Attended the One day National level Workshop on “SOFT COMPUTING”, organized by the A.V.C College of Engineering and Technology Mayiladuthurai held on 02nd May 2012.
9. Attended the two day National Conference on “CRYSTAL GROWTH AND ENGINEETRING TECHNOLOGY”, organized by the Anna University Chennai held during 18th and 19th Oct 2010.

**PROFESSIONAL SOCIETIES**

* Life Member of IUCr (International Union of Crystallography) from October 2010.

**POSITIONS HELD**

**CURRENT & RECENT PAST**

* Class Co ordinator & Class Counselor

**PAST**

* Co ordinator - Physics
* Co ordinator- Department Exam Cell
* Co ordinator-Class

**CONTRIBUTIONS RECOGNIZED**

* Awarding Appreciation Certificates and Cash awards for the purpose of continuously producing Good percentage of result in Thirumalai Engineering College, Kanchipuram.

**SUBJECTS HANDLED**

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| **Subject** | **Branch / University** |
| Engineering Physics - I | B.E. /B.Tech. / Anna University |
| Engineering Physics - II | B.E. /B.Tech. / Anna University |
| Engineering Physics Lab-I | B.E. /B.Tech. / Anna University |
| Engineering Physics Lab-II | B.E. /B.Tech. / Anna University |

**SKILLS & ATTRIBUTES**

* Hands on expertise in Growth and characterization of Non linear Optical materials.
* Hands on experience in Vibrational, NMR, UV, and VCD spectroscopic investigations, Physiochemical properties, HOMO-LUMO, MEP, NBO, NLO and Mulliken charge distribution analysis...etc by using Computational Software (Gaussian *09* Program).