

N.KALAIMANI, M.Sc., M.Phil.,PGDCA.,B.Ed.,MBA (Edn.Mgt)

Designation : Assistant Professor
Department : Physics
Subject of Interest : Material Science, Electronics
Specialization : Material Science
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https://scholar.google.com/citations?user=C_DCX1UAAAAJ&hl=en

DETAILS OF PROFESSIONAL EXPERIENCE

Asst.Professor of Physics

Institute : Thiru.Vi.Ka.Govt. Arts College, Tiruvarur
Period : October 2008 to till date
Teaching Areas : Electronics, Spectroscopy, Crystal growth,
Nanotechnology

Asst.Professor of Physics

Institute : M.R. Government Arts College, Mannargudi
Period : 26 December 2007 to September 2008
Teaching Areas : Thermal Physics, Computer Programming in C

Lecturer in Physics

Institute : E.G.S.Pillai Arts & Science College, Nagapattinam
Period : June 1998 to 25 Dec. 2007
Teaching Areas : Physics, Electronics

Lecturer in Physics

Institute : A.V.C College (Autonomous), Mayiladuthurai
Period : February 1993 to October 1998
Teaching Areas : Analog Electronics, Thermal physics

ACADEMIC PROFILE

Ph.D

University : Bharathidasan University , Thiruchirapalli
College : Govt. Arts College (Autonomous), Kumbakonam
Supervisor : Dr. C. Ramachandra Raja
Title of the Thesis : Synthesis, Growth and Characterization of some Organic and Semiorganic Nonlinear Optical Crystals
Year : Thesis submitted (2019) - Awaiting for Viva-voce

M.Phil.,

University : Bharathidasan University, Thiruchirapalli
College : T.B.M.L College , Porayar
Main Subject : Physics
Year : 1990
Marks : First Class
Supervisor : Prof. J. Nathaniel Herbert
Title of Dissertation : Spectroscopic and Magnetic properties of some Magnetite Quartzite rock samples collected at Woriur near Trichy

M.Sc.,

University : Bharathidasan University
College : T.B.M.L College, Porayar
Main Subject : Physics
Year : 1987
Marks : First Class (74%)

B.Sc.,

University : Bharathidasan University
College : T.B.M.L College, Porayar
Main Subject : Physics
Year : 1985
Marks : I Class (68%)

H.Sc.,

Board : Board of Higher Secondary Education, Tamilnadu
Main Subject : Science and Mathematics
Year : 1981
Marks : First Class(73%)

S.S.L.C

Board : Board of Secondary Education, TamilNadu
Main Subject : General
Year : 1979
Marks : First Class(73%)

RESEARCH GUIDANCE

M.Phil.,

Number of M.Phil., Scholars : 1
Degree Awarded : 1

M.Sc.Projects

Completed : 29

RESEARCH PUBLICATIONS

- 1. Growth and Characterization of Solution Grown Nonlinear Optical Ammonium Tartrate Crystal**
N.Kalaimani, K. Ramya , R. Aarthi , C. Ramachandra Raja ,
RASAYAN J. Chem. - Vol 11-No:3/1263-1269/July-Sept/2018
ISSN : 0957- 4522 https://rasayanjournal.co.in/admin/php/upload/480_pdf.pdf
UGC - CARE listed journal (Scopus indexed)
- 2. Synthesis, Growth, Investigation of Structural, Spectral and Optical Properties of Solution Grown Dipotassium Fumarate Dihydrate Crystal**
N.Kalaimani, K. Ramya , R. Aarthi , C. Ramachandra Raja ,
International Journal of Scientific Research in Physics and Applied Sciences (IJSRAS),
Vol 6-Issue 5-PP 21-26 Oct . (2018) / ISSN : 2348 - 3423
https://isroset.org/journal/IJSRPAS/full_paper_view.php?paper_id=892

3. **Structural, spectral, thermal and nonlinear optical analysis of potassium tartrate hemihydrate crystal**
N.Kalaimani ,R. Aarthi , C. Ramachandra Raja ,
J. MaterSci : Mater. Electron ; Vol.30 – Issue 8 (April 2019) Pages 7974-7980
ISSN : 0957- 4522 <https://link.springer.com/article/10.1007/s10854-019-01118-1>
UGC - CARE listed journal (Web of Science indexed)
4. **Structural, spectral, thermal and nonlinear optical analysis of anhydrous citric acid crystal**
Kalaimani.N, Ramya.K , Vinitha.G, Aarthi .R , Ramachandra Raja C
Optik 192 (2019) 162960 ; ISSN : 0030 – 4026
<https://www.sciencedirect.com/science/article/pii/S003040261930837X>
UGC - CARE listed journal (Web of Science indexed)
5. **Growth, structural, optical, spectral and thermal characterization of third order nonlinear optical crystal : Diammonium fumarate ”**
N.Kalaimani, K. Ramya , R. Aarthi , C. Ramachandra Raja
Chinesh Journal of Physics: Vol. 61 (2019) 104-112 / ISSN : 0577-9073
<https://www.sciencedirect.com/science/article/abs/pii/S0577907319308950>
UGC - CARE listed journal (Web of Science indexed)

POSTERS AND PAPERS PRESENTED IN NATIONAL / INTERNATIONAL CONFERENCES

1. National Symposium on Sustainable Energy Conversion and Storage Materials (NSSECM-2018) on 26,27 April 2018 at Sathiyabama Institute of Science and Technology, Chennai.
2. International Conference on Application Oriented Materials in Science And Technology (ICAOMSAT-2018) on 14,15 September 2018 at E.G.S.Pillay Arts and Science College, Nagapattinam.
3. International Conference on Emerging Trends and Innovations in Chemistry (ETIC-2019) on 20 August 2019 at Sengamalthayar Educational Trust Women’s College, Mannargudi.
4. National Conference on Emerging Trends in Material Science (NCETMS-2019) on 26,27 Sept. 2019 at Govt. Arts College, Thiruvannamalai.

SEMINAR, CONFERENCES ATTENDED

1. National Conference on Advanced Functional Materials (NCAFM-2019) at S.T.Hindu College, Nagercoil from 25 February 2019.
2. Workshop on Photovoltaic and Energy Harvesting at Thiru.Vi.Ka. Govt.Arts College, Thiruvarur on 18,19 January 2018.
3. Workshop on Statistical Physics and Material Science at NIT, Thiruchirapalli from 21.07.2016 to 23.07.2016
4. State level seminar on Higher Education for All on 12.10.2015 by TNGCTA, Chennai
5. National level seminar on “The Art of Scientific Writing” at Dharmapuram Gnanambigai Govt.Arts College (Women), Mayiladuthurai 31.01.2015
6. International Workshop on “Crystal Growth And Characterization Of Advanced Materials And Devices” at Crystal Growth Center , Anna University, Chennai from 6.12. 2012 to 19.12.2012
7. ICMR sponsored National level seminar on Emerging Infectious Diseases And Management at Thiru.Vi.Ka. Govt.Arts College, Thiruvarur on 27.01.2011 & 28.01.2011
8. UGC & TNSCST sponsored Workshop on Scanning Electron Microscope at Annamalai University , Chidambaram on 05.03.2010
9. TEDA sponsored Seminar on “Renewable Energy-Energy of the Future “ at E.G.S.Pillai Engineering College, Nagapattinam on 20.08.2005
10. UGC sponsored Workshop on “VHDL Tools for VLSI Design” at P,S.G College of Arts & Science, Coimbatore on 18,19 September 2003
11. UGC sponsored Workshop on “Microprocessor and its Applications” at AVC College (Autonomous) from 14.05.1993 to 07.06.1993

MEMBERSHIP IN BODIES ON EDUCATION AND NATIONAL DEVELOPMENT

- ✚ **Member, Board of Studies (UG,PG) , A.V.C College (Autonomous), Mayiladuthurai (2012- 2015).**
- ✚ **Member, Academic Council, Thiru.Vi.Ka Govt.Arts College College, Thiruvarur (From 2015).**

- ✦ Member, UGC Funds - Advisory committee at Thiru.Vi.Ka Government Arts College, Thiruvarur, (2014-2015)
- ✦ Served as a Examiner for U.G, P.G. Theory and Practical examinations of the Bharathidasan University and Autonomous Institutions from 2000 to till date.

POSITION HELD / LEADERSHIP ROLE PLAYED

- ✦ Served as Member, Sports committee (2009-2010)
- ✦ Served as a NSS Programme Officer at Thiru.Vi.Ka Government Arts College, Thiruvarur, (2011-2014)
- ✦ Served as Election Nodal Officer (college camp) from Oct.2011 to Sept.2015
- ✦ Served as Department Library Incharge from April.2009 to Feb.2016
- ✦ Served as M.Phil course coordinator from 2014-2015 to 2018-2019.
- ✦ Acting as Librarian Incharge from Sept.2015.
- ✦ Served as Member, Students discipline committee (2015-August 2018)
- ✦ Member, College Magazine committee (2017-2018)

TRAINING PROGRAMME

Orientation Course (UGC Sponsored)

Place : Academic Staff College, Bharathidasan University, Trichy.
Duration : 26.12.2007 to 24.01.2008

Refresher Course in Physics (UGC Sponsored)

Place : Academic Staff College, Bharathidasan University, Trichy.
Duration : 27.01.2012 to 16.02.2012

Refresher Course in Materials Science (UGC Sponsored)

Place : Human Resource Development Centre (HRDC),
Bharathidasan University, Trichy.
Duration : 02.11.2016 to 22.11.2016

Refresher Course in Gender Studies (UGC Sponsored)

Place : Human Resource Development Centre (HRDC),
Bharathidasan University, Trichy.
Duration : 20.12.2017 to 09.01.2017

NSS Orientation Programme

Place : Madras School of Social Work (MSSW), Chennai
Duration : 28.11.2011 to 03.12.2011

TEACHING EXPERIENCE FROM 1993 TO TILL DATE

Total Teaching Experience : 26 years
Under Graduate : 26 years
Post Graduate : 19 years

PERSONAL DETAILS

Name : N.KALAIMANI
Gender : Male
Date of Birth : 18.02.1963
Age : 56 years
Place of Birth : Pudhuppet
Marriatal Status : Married
Residential Address : 1/243, Pudhuppet, Manickapangu (P.O)
Tharangambadi (T.K)-609313
Nagapattinam Dt.
TamilNadu, India.
Mobile: 9443873982 / 790493021
Official Address : Assistant Professor
PG and Research Department of Physics
ThiruViKa Government Arts College
Thiruvarur -610 003, TamilNadu, India.
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