



Education

- Ph.D in Physics, Kannur University, Kannur.....October,2019
Thesis: Growth and Characterisation of Nonlinear Optical Single Crystals
- M.Sc. Physics, Sir Syed College, Thaliparamba, Kannur.....March,2014
- B.Sc. Physics, Sir Syed College, Thaliparamba, Kannur.....March,2012

Experience

- Nehru Arts and Science College Kanhangad.....2019-Present
Assistant Professor, Department of Physics
- Sir Syed College, Thaliparamba, Kannur.....2014-2015
Assistant Professor (on contract basis), Department of Physics

Area of Interest

- Materials Science
- Quantum Mechanics
- Nonlinear Optics
- Mathematical Physics
- Electrodynamics

Publications

1. **K.M. Athira**, K. Naseema, ‘Non-linear optical studies of a new amino compound L-hydroxyproline picrate’, *Indian Journal of Scientific Research*, **18.1**(2018) 37-40, ISSN: 2250-0138.
2. **K.M. Athira**, K. Naseema, ‘ Nonlinear optical studies of L-threonine L-threoninium picrate’, *Recent Advances in Material Science and Biophysics proceedings of international conference RAMSB*, (2018)18-21, ISBN: 978-93-5291-953-6.
3. K. Naseema, **K. M. Athira**, K. V. Sujith, and Nithinchandra, ‘Growth and Characterisation of 5-nitro-2-furaldehyde diacetate Single Crystals’, *Journal of Material Science: Materials in Electron.*, **29.18**(2018)16074–16079.
4. **K.M. Athira**, K. Naseema, ‘Growth, Optical, Thermal and Mechanical Studies of Picric Acid Doped L-Threonine Single Crystals’, *International Research journal of Engineering and Technology*, **5.9**(2018)893-898.

Conference Papers

1. **K.M. Athira**, K. Naseema, ‘Non-linear optical studies of a new amino compound L-hydroxyproline picrate’, 27th Swadeshi Science Congress(National) held at Amrita Viswa Vidyapeetham, Amrita University, Amritapuri campus, Kollam, Kerala, from 7-11-2017 to 9-11-2017.
2. **K.M. Athira**, K. Naseema, ‘ Nonlinear optical studies of L-threonine L-threoninium picrate’, International conference on Recent Advances in Material Science and Biophysics(RAMSB) held at Department of studies in Physics, Mangalore University, Mangalore Karnataka, from 23-01-2018 to 25-01-2018
3. **K.M. Athira**, K. Naseema, ‘Nonlinear optical studies of Picric acid doped L-serine Single crystals, National conference on Recent Advances in Chemical and Material Science(RACMS-18) held at School of Engineering and Technology, Jain University, Bangaluru, Karnataka on 3-02-2018.
4. **K.M. Athira**, K. Naseema, ‘ Thermal, Mechanical and Nonlinear optical studies of Picric Acid doped L-hydroxyproline single crystals’, National Conference on Processing and Fabrication of Advanced Materials(NCPFM-2018) held at Department of Physics, SSN College of Engineering, Kalavakkam, Tamilnadu, from 1-03-2018 to 2-03-2018
5. **K.M. Athira**, K. Naseema, ‘Thermal, Mechanical and Nonlinear optical studies of Picric Acid doped L- serine single crystals’, National conference on Contemporary Trends in Physics Research(CTPR-2018) held at Department of Physics, Swami Anandatheertha Campus, Kannur University, Payannur, Kannur, Kerala on 19-03-2018.
6. **K.M. Athira**, K. Naseema, ‘Thermal and Optical Studies of 5-Nitro-2-furaldehyde diacetate Single Crystals’, International Seminar on Processing Technology and Advanced Materials(ISTAM-2018) held at Department of Physics and Research Centre, Muslim Arts College, Azhagamandapam, Thiruvithancode, Tamilnadu, on 29-9-2018.
7. **K.M. Athira**, K. Naseema, ‘Linear and Nonlinear Optical Properties of L-Serinium Picrate Monohydrate(LSPMH) Single crystal’, National seminar on Modern Trends in Physics held at Department of Physics Sir Syed College, Thaliparamba,Kannur from 19-11-2019 to 20-11-2019.

Extra Curriculum Skills and Achievements

- Trained Karnatic Violinist and Veena artist in gurukula system. Accompanied many well known musicians including Dakshinamoorthy Swamikal .

Dr. Athira K M
Assistant Professor

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Certificates and Awards

- NCC (KER/SW/09/95644 Rank: SGT) ‘B’ and ‘C’ certificates holder.
- Enlisted as reviewer in the INDIAN JOURNAL OF SCIENCE AND TECHNOLOGY.