



Dr.K. Srinivasan

Assistant Professor
Department of Physics
Dr.Ambedkar Govt. Arts College
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PersonalDetails

Name	Dr.K.Srinivasan
Designation	Assistant Professor
AcademicQualification	M.Sc., M.Phil., Ph.D.,

TeachingExperience

- UG – 27 Years
- PG - 7 Years 1 Month.

AreaofSpecialization

- Spectroscopy

ResearchSupervisor

- **RecognisedResearchSupervisorin**

Anna University

Authorfor Books

- Engineering Physics–I By **K.Srinivasan**,et,al RK PublishersCoimbatore(2008, 2009), Chennai, India.
- Engineering Physics–II by **K.Srinivasan**,et,alMaruthiPublishers (2010), Chennai, India.
- Practical Manual By **K.Srinivasanet,al**G.Balaji Publishers (2007), Chennai, India.

Board of Studies

- Served as Board of Studies Member in Anna University

Publications

• International/National Journals

1. Spectroscopic Investigation and Structural Confirmation of Thio Urea, *Spectrochimica Acta-A*, 75(2010) 1171-1175
2. Effect of Metallic Dopants on Potassium acid Phthalate (KAP) Single Crystals, *Physica B*, 405 (2010) 2605-2609
3. Spectroscopic investigation on Blood Plasma Expanders, *Asian J. Phys.*, Vol 5, (1996) P- 302.
4. Spectroscopic Investigation and Molecular Dynamics of $\text{UO}_2(\text{Cl}_4)^{2-}$ And $\text{UO}_2(\text{F}_5)^{3-}$ Ions, *Asian J. Chem.*, Vol 7, No.4 (1995), P 781.
5. **Vibrational Analysis of Germisilane Compounds**, *Asian J. Chem*, Vol 7, No.4 (1995) , PP 781-790.
6. **Laser Raman and FTIR Scattering Studies On The Structure Of Melamine**, *Proc. Indian National Sci. Acad*, 59A, (1993) pp-347-352)

• International/National Conference Proceedings

1. "Analysis on the structure of Beta Barium Borate (BBO) crystal", International Conference on Spectroscopy, January 1996, (BARC) Mumbai, India.
2. "FTIR and laser Raman spectral investigation on the structure of diphenyl sulfide", International symposium on novel aromatic compounds, August 1995, Germany.
3. "FTIR and LR studies on the structure of melamine and its normal coordinate analysis", International Symposium of Fourier transform spectroscopy, August 1995, Hungary.
4. "Spectroscopic investigation on structure of Beta Barium Borate (BBO) crystal", The International conference on Raman spectroscopy in films and super thin layers, August 1995, (Guangzhou P.R.) China.
5. "Infrared spectral studies on sodium orthophosphate and its normal coordinate analysis", Satellite meeting on solid films, 1994, Korpapur, India.
6. "Infrared spectroscopic method – A study on the insulation properties of vermiculite", Proceedings of the Saha centenary international symposium on spectroscopy and astrophysics, October 1993, Allahabad, India

Paper Presented in Conference/Workshop

1. "Spectral investigation and structural confirmation of thio urea", National conference on spectrophysics, February 1997, Chennai, India.
2. "Spectroscopic investigation on blood plasma expanders", National conference on spectroscopy, February, 1996, Meerut, India.

3. "FTIR and LR spectroscopic studies on the structure of vanadium pentoxide", Third Tamil science conference, December 1994, Pondicherry, India.
4. "Vibrational spectra and normal coordinate analysis of Methyl (Methylthio) Mercury", XXV National seminar on crystallography, December 1993, Chennai, India.

Participation in Conference/Workshop

- 1.
- 2.

Refresher and Orientation Courses

1. Orientation Course, ASC - University of Madras, Chennai, 04-05-2011 TO 02-06-2011
2. Refresher Course in Instrumentation (Physics), ASC - University of Madras, Chennai, 28-11-2013 TO 18-12-2013.
3. Refresher Course in Physics, ASC - University of Madras, Chennai, 11-10-2019 TO 24-10-2019
4. Refresher Course in Nano-Science (Physics), ASC - University of Madras, Chennai, 27-01-2022 TO 09-02-2022.

Additional Responsibilities

- National Scholarship – Zonal Officer
- Co-Coordinator – Placement cell