

Name : Dr. S. RENUKA
Qualification : M.Sc., M.Phil., Ph.D.,
Designation : ASSISTANT PROFESSOR
Department Name : PHYSICS
Date of Birth : 15.01.1985
Date of Appointment : .08.2015



Contact Details

Present Address : Department of Physics Govt. college for women (Autonomous)
Kumbakonam
Permanent Address : No.223, M.K. Thottam, Chidambaram (TK)
Cuddalore (Dt) – 608 001
Phone : 04144 - 228858
Mobile : +9199423-34249
Email : psrenu15@yahoo.com
Specializations : Ultrasonics, Crystal Growth and Nanotechnology
Experience : Teaching : 3.9 Years Research : 5 years
Research Guidance

Programme	Awarded	Guidance
M.Sc.	5	-
M.Phil.	-	-

Publications : National and International

1.R. Ezhil Pavai and S.Renuka, 2011, Study of molecular interaction in ternary mixture of propyl acetate in cyclohexane with 2-methoxyethanol at 303, 308 & 313K, International Journal of Research in Physical Chemistry, 1(1): 32-37.

2.R. Ezhil Pavai and S.Renuka, 2011, Thermodynamic properties of L-threonine in aqueous solutions of KNO₃ at 303 K, International Journal of Research in Pure and Applied Physics, 1(2): 6-10.

3.R. Ezhil Pavai and S. Renuka, 2010, Theoretical evaluation of ultrasonic velocity in ternary mixtures using various approaches, Annamalai University Science Journal, 46: 135-138.

4.R. Ezhil Pavai, S. Renuka, L. Balu and P. Vasantharani, 2010, Study of Molecular Interactions among Esters, Toluene and Aniline using Ultrasonic Technique, Journal of Experimental Sciences, 1(6): 21-24.

Conference/ Seminar Presented : National and International

1.Seminar on “Creative Teaching Techniques” Faculty development Programme organized by Internal Quality Assurance Cell on 22.08.2015, Govt. College for Women (Auto), Kumbakonam-612 001.

2.S. Renuka, R. Ezhil Pavai and L.Balu, density, viscosity and velocity study of ternary liquid mixtures at three different temperatures 303, 308 and 313 K. National conference in advanced materials and its applications (NCAMA-2014), 4th and 5th April, 2014, Department of Physics, FEAT, Annamalai University.(Best paper award)

3.R. Ezhil Pavai, S. Renuka and S. Sujeetha, Ultrasonic studies of L-Cysteine in binary aqueous solution of sodium nitrate at 303K. National Seminar on Advances in

Physics-(NSAP-2011), 10th & 11th March, 2011, Department of Physics, Manonmaniyam Sundharanar University, Thirunelveli.

4.R. Ezhil Pavai and S. Renuka, Ultrasonic study of intermolecular interaction through hydrogen bonding in 2-Ethoxyethanol+ cyclohexane + Propyl acetate at 303.15, 308.15 & 313.15K. International Conference on Waves and Material Science – (ICWAMS), 23rd August, 2010, Department of Physics, St. Joseph College of Arts and Science, Cuddalore.

5.R. Ezhil Pavai and S. Renuka, Study of molecular interaction in ternary mixtures of 2-Butoxyethanol+ Cyclohexane + Propyl acetate at 303.15, 308.15 & 313.15K. International Conference on Recent Frontiers in Applied Spectroscopy – (ICORFAS-2010), 22 – 24 September, 2010, Department of Physics, Annamalai University.

6.R. Ezhil Pavai, S. Renuka and L. Balu, Thermodynamic and acoustic properties of some ternary liquid mixtures of alcohols. National Seminar on Chemistry of Nanomaterials and Molecular Dynamics (CNMD-2010), 30th-31st December, 2010, Department of Chemistry, Annamalai University.

7.R. Ezhil Pavai and S. Renuka, Study of molecular interaction in ternary liquid systems at 303,308 and 313K. National Seminar on New Frontiers in Chemistry – (NSNF) 15th & 16th March, 2010, Department of Chemistry, Annamalai University.

8.R. Ezhil Pavai, S. Renuka, P. Vasantharani and L. Balu, Ultrasonic study of molecular interactions in ternary mixtures of esters + toluene + aniline. Recent trends in Bioscience (Bios – 2009) – 21st Millinaium, 6th & 7th March, Department of Zoology, Annamalai University.

9.R. Ezhil Pavai, S. Renuka, P. Vasantharani and L. Balu, Molecular interaction studies on esters containing organic liquid mixture using ultrasonic technique, National conference on emerging trends in chemical research (NCETCR - 2008), 17th & 18th October, Department of Chemistry. Annamalai University.

Workshop Attended: National and International

1. Prof. K.S. Sonachalam memorial XX Inter – Disciplinary Research Methodology Workshop 27th February – 2nd March 2010.

2. Seminar on computational materials science, Department of Physics, Pondicherry University on 26th March 2011.

3. Faculty Development Programme, Internal Quality Assurance Cell, Government college for women, 22nd Aug 2015