

LIST OF PUBLICATIONS OF THE AUTHOR

Some of the following research papers of the author are part of the above thesis, presented at various Conferences of repute and published in reputed International journals.

1. “Measurement of some Thermodynamic and Acoustic properties of Binary solutions of Ethyle Benzoate with Benzene and substituted Benzenes at different temperatures”
B. Nagarjun, N. S. S.V.Rajarao, A.V.Sarma, C.Rambabu, V.Brahmajirao, National Conference on Ultrasonics-March 2011, Organised by Department of Physics, Bundelkhand University, Jhansi, U.P., INDIA.
2. “Acoustic, Dielectric and Thermodynamic Studies of Alcoholic Electrolyte Solutions of Cadmium and Copper” T.Gunavardhan Naidu, N.S.S.V.Rajarao, V. Brahmajirao, in National Symposium on Acoustics- NOV 2011, Organised by Department of Physics, Bundelkhand University, Jhansi, U.P., INDIA.
3. “Acoustic, Thermodynamic, Electrochemical and Dielectric studies in Eigen and Tamm Mechanism of Ion Pairs” T. Gunavardhan Naidu, N.S.S.V.Rajarao, V.Brahmajirao, in National Symposium on Acoustics- NOV 2011, Organised by Department of Physics, Bundelkhand University, Jhansi, U.P., INDIA.
4. “Studies on ion-solvent interactions of electrolyte solutions & Eigen and Tamm’s Ion pairs: Part 1- A new accurate experimental technique developed & verification of Glueckauf’s model” , N.S.S.V.Rajarao, V.Brahmajirao, A.V.Sarma, A.Phanindralal Varma. Accepted for publication , in September-2012 , by ‘International Journal of Science and Technology (U.K.)’ and in press ,(submission reference number IJST_558196134389657).

5. “Studies on Ion-solvent Interactions of Electrolyte Solutions- Part 2: Variation of Relative Permittivity with Temperature” N.S.S.V.Rajarao, V. Brahmajirao, A.V.Sarma, A.Phanendralal Varma, Published in International Journal of Science and Technology (U.K.), Volume 1 No. 11, November, 2012, pp 578 - 583.
6. “Studies on Ion- Solvent Interactions of Electrolyte Solutions- Part 3: Activity Coefficient Studies of 2-2 Electrolytes (Sulphates of Transition Metals) “ N.S.S.V.Rajarao, V.Brahmajirao, A.V.Sarma, Published in International Journal of Science and Technology (U.K.), Volume 1 No. 10, October, 2012, pp 531 - 545.
7. “Studies on Ion-Solvent Interactions of Electrolyte Solutions- Part 4: Osmotic Coefficients of 2-2 electrolytes (Sulphates of Transition Metals)”,N.S.S.V.Rajarao, V.Brahmajirao, A.V. Sarrma, Published in International Journal of Engineering Science and Technology, Vol. 4 ,No.10, October 2012, pp 4331 - 4344.