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#### **International Journal Publications**

1. R.Gopinathan,Avijit Bhowal,**Chandrasekhar Garlapati**,Adsorption studies of some Anionic dyes adsorbed by chitosan and new four parameter adsorption isotherm model,Journal of Chemical engineering and data**(2019)**,64(6),Page.2320-2328,Impact Factor:2.298
2. R. Gopinathan,† AvijitBhowal,‡ and **Chandrasekhar Garlapati**,Thermodynamic study of some basic dyes adsorption from aqueous solutions on activated carbon and new correlations,Journal of Chemical Thermodynamics 107 **(2017)** 182-188, Impact Factor: 1.53
3. **Chandrasekhar Garlapati**, A Derivation to Overall Murphree Efficiency from Individual Efficiencies for a Special Case in Staged Operations,Journal of Applied Science and Engineering Methodologies, Volume 3, No.1, Page.435-439 **(2017)**. Impact Factor: 0.5
4. **Chandrasekhar Garlapati**, Fundamental Stage Design of Countercurrent Contact System: Solute Transfers between two Immiscible Solvents, Journal of Applied Science and Engineering Methodologies, Volume 3, No.3, Page.535-546 **(2017)**. Impact Factor: 0.5
5. VelichkaAndonova, **Garlapati Chandra Sekhar**, Supercritical fluid Technology: A Promising Approach for Preparation of nano-scale drug delivery systemsJournal of Applied Science and Engineering Methodologies, Volume.2, No.1, Page.239-242 **(2016)**. Impact Factor: 0.5
6. VelichkaAndonova, **Garlapati Chandra Sekhar**, Rise time Calculations of a single air bubble under the influence of gravity in a pool of Journal of Applied Science and Engineering Methodologies, Volume.2, No.3, Page.426-434 **(2016)**.Impact Factor: 0.5
7. R. Gopinathan,† AvijitBhowal,‡ and **Chandrasekhar Garlapati**,Adsorption Characteristics of Activated Carbon for the Reclamation of Colored Effluents Containing Orange G and New Solid-Liquid Phase Equilibrium Model,Journal of Chemical &Engineering Data **(2016)** , 62, 558-567, Impact Factor: 2.298
8. VelichkaAndonova, **Garlapati Chandra Sekhar**, A New Empirical Model to Correlate the Solubility of Penicillin G and Penicillin V in Supercritical Carbon Dioxide,Journal of Applied Science and Engineering Methodologies, Volume.2, No.1, Page-220-223 **(2016)**

Impact Factor: 0.5

9. R.Sridhar, Abijitbhowal, **Garlapati Chandra Sekhar**, A New Three Parameter Thermodynamic Model for the Solubility of Substituted Phenol Compounds in Supercritical Carbon Dioxide, Journal of Chemical and Pharmaceutical Sciences, Special Issue, December **2014**, pp. 157-160, ISSN: 0974-2115, Impact Factor: 1.421
10. **Garlapati Chandra Sekhar**, G. Madras, "Solubilities of Dodecanoic and Tetradecanoic acids in Supercritical CO<sub>2</sub> with and without Entrainers", Journal of Chemical & Engineering Data, 53 (**2008**) 2637-2641, Impact Factor: 2.298
11. **Garlapati Chandra Sekhar**, G. Madras, "Solubilities of Hexadecanoic and Octadecanoic acids in Supercritical CO<sub>2</sub> with and without Cosolvents". Journal of Chemical & Engineering Data, 53 (**2008**) 2913-2917, Impact Factor: 2.298
12. **Garlapati Chandra Sekhar**, G. Madras, "Solubilities of Solids in Supercritical Fluids using Dimensionally Consistent Modified Solvate Complex Models". Fluid Phase Equilibria, 283 (**2009**) 97-101, Impact Factor: 2.47
13. **Garlapati Chandra Sekhar**, G. Madras, "Temperature Independent Mixing Rules to Correlate the Solubilities of Antibiotics and Anti-inflammatory Drugs in SCCO<sub>2</sub>". Thermochemica Acta, 496 (**2009**) 54-58. Impact Factor: 1.56
14. **Garlapati Chandra Sekhar**, G. Madras, "Solubilities of Some Chlorophenols in presence and absence of Cosolvents". Journal of Chemical & Engineering Data, 55 (**2010**) 273-277. Impact Factor: 2.298
15. **Garlapati Chandra Sekhar**, G. Madras, "Solubilities of Palmitic and Stearic acids in Supercritical CO<sub>2</sub>", Journal of Chemical Thermodynamics, 42 (**2010**) 193-197, Impact Factor: 1.53
16. Ch. Rajasekhar, C. **Garlapati**, G. Madras, "Solubility of n-(4-ethoxyphenyl)ethanamide in Supercritical CO<sub>2</sub>", Journal of Chemical & Engineering Data, 55 (**2010**) 1437-1440. Impact Factor: 2.298
17. **Garlapati Chandra Sekhar**, G. Madras, "New Empirical Expressions to Correlate Solubilities of Solids in Supercritical CO<sub>2</sub>", Thermochemica Acta, 500 (**2010**) 123-127. Impact Factor: 1.56
18. M. Getadevi, Z.S. Shinoon Al Hashmi, **Garlapati Chandra Sekhar**, "Treatment of Vegetable Oil Mill Effluent using Crab Shell Chitosan as Adsorbent", International Journal of Environmental Science and Technology, 4 (**2012**) 713-718. Impact Factor: 2.037
19. M. Getadevi, **Garlapati Chandra Sekhar**, "A batch Study on Adsorption of Zinc (II) Using High Molecular Weight Crab Shell Chitosan and Date Seed Carbon". International Journal of Biotechnology, Chemical & Environmental Engineering (IJBCEE), Vol.1, (3), December **2012** ISSN :2278 - 0696. Impact Factor: 1.2
20. R.Sridhar, Abijitbhowal, **Garlapati Chandra Sekhar**, "A New Model for the Solubility of Dye Compounds in Supercritical Carbon Dioxide", Thermochemica Acta, 561 (**2013**) 91-97. Impact Factor: 1.56