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List of publications for the last five years

1. RS Alwi, **G Chandrasekhar,** A new semi empirical model for the solubility of dyestuffs in supercritical carbon dioxide, Chemical Papers, 1-11, 2021.

2. RS Alwi, C Garlapati, K Tamura, Solubility of Anthraquinone Derivatives in Supercritical Carbon Dioxide: New Correlations, Molecules 26 (2), 460, 2021.

3. FS Gholamhossein Sodeifian, **G Chandrasekhar**, Seyed Mojtaba Hazaveie, Solubility of 2,4,7-Triamino-6-phenylpteridine (Triamterene, Diuretic Drug) in Supercritical Carbon Dioxide: Experimental Data and Modeling, Journal of Chemical & Engineering Data, 65, 9, 4406–4416, 2020.

4. RS Alwi, R Gopinathan, A Bhowal, **G Chandrasekhar**, Adsorption Characteristics of Activated Carbon for the Reclamation of Eosin Y and Indigo Carmine Colored Effluents and New Isotherm Model, Molecules 25 (24), 6014, 2020.

5. TA Reddy, **G Chandrasekhar**, Dimensionless empirical model to correlate pharmaceutical compound solubility in supercritical carbondioxide, Chemical Engineering & Technology, 42, 2621-2630, 2019.

6. **G Chandrasekhar**, R. Gopinathan, Avijit Bhowal, Adsorption Studies of Some Anionic Dyes Adsorbed by Chitosan and New Four-Parameter Adsorption Isotherm Model, The Journal of Chemical Engineering & Data, , 64, 6, 2320–2328, 2019.

7. TA Reddy, R Srividya, **G Chandrasekhar**, A new empirical model to correlate solubility of pharmaceutical compounds in supercritical carbon dioxide, Journal of Applied Science and Engineering Methodologies 4 (2), 575-590, 2018.

8. **G Chandrasekhar**, Fundamental Stage Design of Countercurrent Contact System: Solute Transfers between two Immiscible Solvents, Journal of Applied Science and Engineering Methodologies 3 (3), 535-546, 2017.

9. R Gopinathan, A Bhowal, **G Chandrasekhar**, Thermodynamic study of some basic dyes adsorption from aqueous solutions on activated carbon and new correlations, The Journal of Chemical Thermodynamics 107, 182-188, 2017.

10. **G Chandrasekhar**, S Velichka Andonova, Supercritical Fluid Technology: A Promising Approach for Preparation of nano-scale Drug Delivery Systems, Journal of Applied Science and Engineering Methodologies 2 (1), 239-242, 2016.