

PANEL OF EXPERTS

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|--------------------|------------------------------------|----------------------------------------------------------|-------------|
| Name | :Dr. R. Baskar | No. of Publication | : 59 |
| Designation | : Professor | No. of Publication | |
| Address | : Kongu Engineering College | (for last five years) | : 35 |
| | | Specialization : Bio and Food Process Engineering | |

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List of publication for last five years:

1. Alharbi NS, Kadaikunnan S, Khaled JM, Almanaa TN, Innasimuthu GM, Rajoo B, et al. Optimization of glutamic acid production by *Corynebacterium glutamicum* using response surface methodology. J King Saud Univ - Sci **2020**;32:1403–8.
2. Sivamani S, Baskar R, Chandrasekaran AP. Response surface optimization of acid pretreatment of cassava stem for bioethanol production. Environ Prog Sustain Energy **2020**;39.
3. Periasamy M, Baskar R. Studies on thermo physical property variations of graphene nanoparticle suspended ethylene glycol/water. Chem Ind Chem Eng Q **2020**:36–36.
4. Periasamy M, Baskar R. Experimental heat transfer studies on copper nanofluids in a plate heat exchanger. Chem Ind Chem Eng Q **2020**:20–20.
5. Selvi P, Baskar R. CO₂ absorption in nanofluid with magnetic field. Chem Ind Chem Eng Q **2020**:8–8.
6. Sivarajasekar N, Baskar R. Adsorption of Basic Magenta II onto H₂SO₄ activated immature *Gossypium hirsutum* seeds: Kinetics, isotherms, mass transfer, thermodynamics and process design. Arab J Chem **2019**;12:1322–37.

7. Selvi PP, Baskar R. Mass Transfer Enhancement for CO₂ Absorption in Structured Packed Absorption Column. *Journal of The Chemical Society of Pakistan*. **2019** Sep 30;41(6):820.
8. R ND and B. Analysis of TiO₂–ZnO/EG Hybrid Nanofluid Effect on Heat Transfer Enhancement,. *Appl Math Inf Sci* **2019**;13:965–72.
9. R Balasubramani, AS Periasamy Manikandan, K Kalaivani RB. Fouling Characteristics of Milk-Water System in a Plate Heat Exchanger. *Int J Recent Technol Eng* **2019**;8:4829–33.
10. Manikandan AP, Balasubramani R, Kalaivani K, Baskar R. Impact of copper nanoparticle addition on thermophysical properties of different base fluids. *International Journal of Recent Technology and Engineering (IJRTE)*. **2019**;8(4):4192-5.
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12. Sivarajasekar N, Balasubramani K, Baskar R, Sivamani S, Ganesh Moorthy I. Eco-Friendly Acetaminophen Sequestration Using Waste Cotton Seeds: Equilibrium, Optimization and Validation Studies. *J Water Chem Technol* **2018**;40:334–42.
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14. Sivamani S, Baskar R. Bioconversion of cassava stem to ethanol: oxalic acid pretreatment and co-culture fermentation. *Biofuels* **2018**;9:559–66.
15. Sivamani S, Chandrasekaran AP, Balajii M, Shanmugaparakash M, Hosseini-Bandegharai A, Baskar R. Evaluation of the potential of cassava-based residues for biofuels production. *Rev Environ Sci Bio/Technology* **2018**;17:553–70.
16. Sivarajasekar N, Mohanraj N, Baskar R, Sivamani S. Fixed-Bed Adsorption of Ranitidine Hydrochloride Onto Microwave Assisted—Activated Aegle marmelos Correa Fruit Shell: Statistical Optimization and Breakthrough Modelling. *Arab J Sci Eng* **2018**;43:2205–15.
17. Natesan S, Baskar R. Optimization, equilibrium and kinetic studies of basic red 2 removal onto waste Gossypium hirsutum Seeds. *Iranian Journal of Chemistry and Chemical Engineering (IJCCE)*. **2018** Apr 1;37(2):157-69.

18. Periasamy SM, Baskar R. Assessment of the Influence of Graphene Nanoparticles on Thermal Conductivity of Graphene/Water Nanofluids Using Factorial Design of Experiments. *Period Polytech Chem Eng* **2018**;62:317–22.
19. Manikandan S, Baskar R. Heat transfer studies in compact heat exchanger using ZnO and TiO₂ nanofluids in ethylene glycol/water. *Chem Ind Chem Eng Q* **2018**;24:309–18.
20. Palanichamy M, Palanisamy PN, Baskar R, Sakthisharmila P, Sivakumar P. A comparative study on the competitiveness of photo-assisted chemical oxidation (PACO) with electrocoagulation (EC) for the effective decolorization of reactive blue dye. *Iranian Journal of Chemistry and Chemical Engineering (IJCCE)*. **2017** Mar 1;36(1):71-85.
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22. Srinivasan G, Baskar R. Influence of Drying Temperature on Mass Transfer Characteristics and Physiochemical Properties of Aloe Vera (*Aloe Barbadensis* Miller). *Vegetos- An Int J Plant Res* **2017**;30:22.
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29. Prabhu SV, Baskar R. Detoxification of Electroplating Sludge by Bioleaching: Process and Kinetic Aspects. *Polish Journal of Environmental Studies*. **2015** May 1;24(3).
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32. Manikandan P, Palanisamy PN, Baskar R, Sivakumar P, Sakthisharmila P. Physico chemical analysis of textile industrial effluents from Tirupur city, TN, India. *International Journal of advance research in Science and Engineering (IJARSE)*. **2015** Jan 1;4(2):93-104.
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