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1. **Singh RK**, Sarkar A, Chakraborty JP. Influence of alternate fuels on the performance and emission from internal combustion engines and soot particle collection using thermophoretic sampler: A comprehensive review. **Waste and Biomass Valorization**. 2019; 10:2801-23.
2. **Singh RK**, Sarkar A, Chakraborty JP. Effect of torrefaction on the physicochemical properties of pigeon pea stalk (*Cajanus cajan*) and estimation of kinetic parameters. **Renewable Energy**. 2019; 138:805-19.
3. **Singh RK**, Chakraborty JP, Sarkar A. Optimizing the torrefaction of pigeon pea stalk (*cajanus cajan*) using response surface methodology (RSM) and characterization of solid, liquid and gaseous products. **Renewable Energy**. 2020;155:677-90.
4. **Singh RK**, Sarkar A, Chakraborty JP. Effect of torrefaction on the physicochemical properties of eucalyptus derived biofuels: estimation of kinetic parameters and optimizing torrefaction using response surface methodology (RSM). **Energy**. 2020;198:117369.
5. **Singh RK**, Jena K, Chakraborty JP, Sarkar A. Energy and exergy analysis for torrefaction of pigeon pea stalk (*cajanus cajan*) and eucalyptus (*eucalyptus tereticornis*). **International Journal of Hydrogen Energy**. 2020.
6. **Singh RK**, Shrivastava DK, Sarkar A, Chakraborty JP. Co-pyrolysis of eucalyptus and sodium polyacrylate: optimization and synergistic effect. **Fuel**. 2020;277:118115.
7. **Singh RK**, Chakraborty JP, Sarkar A. Pyrolysis of torrefied pigeon pea stalk for the production of high grade bio-oil and pyrolytic gas. Status: (To be submitted)
8. **Singh RK**, Sarkar A, Chakraborty JP. Torrefied eucalyptus as feed for pyrolysis: Process optimization with the enhancement in biofuel properties. Status: (To be submitted)