

Publications

International Journals:

- Kumar, R., Vyas, S., and Dixit, A., (2017), "Fatty acids/1-dodecanol binary eutectic phase change materials for low temperature solar thermal applications: Design, development and thermal analysis" *Solar Energy*, Vol. 155, pp. 1673-1379, 2017
- Kumar, R., Vyas, S., Kumar, R., and Dixit, A., (2017), "Development of sodium acetate trihydrate-ethylene glycol composite phase change materials with enhanced thermophysical properties for thermal comfort and therapeutic applications", *Scientific Reports*, 7, 5203, 2017

Conference with Proceeding:

- Kumar, R., Kumar, R., Dixit, A., (2016), "Thermal Phase Diagram of Acetamide-Benzoic Acid and Benzoic Acid-Phthalimide Binary Systems for Solar Thermal Applications", *AIP conference proceedings*, 1728, 020687, 2016
- Kumar, R., Vyas, S., Kumar, R., and Dixit, A., (2016), "Charging studies of heat packs using parabolic dish solar energy concentrator for extreme conditions", *AIP Conference Proceedings*, 1734, 050027, 2016
- Kumar, R., Dixit, A., Chandra, L., Vyas, S. and Kumar, R., (2016), "An experimental set-up for measuring thermodynamic response of low temperature phase change materials", *Pro. First IEEE International Conference on Control, Measurement and Instrumentation (CMI)*, 978-1-4799-1769-3/16, pp. 107-109, 2016
- Kumar, R., and Dixit, A., "Elaidic acid based organic eutectic phase change materials for thermal energy storage applications", *International Conference on Condensed Matter and Applied Physics*, 2017 (Submitted)

Conference without Proceeding:

- Kumar, R., Gautam, J., and Dixit, A., (2016), "Fatty acids/ exfoliated graphite nanoplatelet composite Phase Change materials for latent heat thermal energy storage applications", *International Conference on Materials Science & Technology*, 2016

Book Chapter:

- Kumar, R., Jakhoria, R., Dixit, A., (2018), "Thermal conductivity enhancement of myristic acid using exfoliated graphite for thermal energy storage applications", *Springer Proceedings in Energy, Concentrated Solar Thermal Energy Technologies*, Chandra, L., and Dixit, A. (eds.), DOI: 10.1007/978-981-10-4576-9_15, pp. 159-167, 2018