

Journals:

1. **N.K. Sahu**, M. Kumar, A. Dewan, "Computational study of 16 kW_{th} furnace cofired using pulverized bituminous coal and liquified petroleum gas operated in un-staged and air-staged conditions," **ASME Journal of Energy Resources Technology**, I.F.= 3.00, 2020, **143(8)**, p. 082102. <https://doi.org/10.1115/1.4048868>
2. **N.K. Sahu**, M. Kumar, A. Dewan, "Sophisticated interplay of operating conditions governs flow field transition and optimal conversion inside tangentially fired gasifiers," **Energy**, I.F.=9.00, 2022, **252 (8)**, p. 123975. <https://doi.org/10.1016/j.energy.2022.123975>
3. **N.K. Sahu**, A. Dewan, M. Kumar, "Computational investigation on the impact of coal feed size in a tangentially fired gasifier," **Combustion Science and Technology**, I.F.=2.133, Published, 2022. <https://doi.org/10.1080/00102202.2022.2157210>
4. **N.K. Sahu**, A. Dewan, M. Kumar, "Characterizing flow field transition in a tangential injection pressurized gas-fired reactor," **Thermal Science and Engineering Progress**, I.F.=4.80, 2023, **41**, p. 101811. <https://doi.org/10.1016/j.tsep.2023.101811>

Conference Proceedings:

1. **N.K. Sahu**, M. Kumar, A. Dewan, "Computational study of coal combustion in an entrained flow furnace," **AIP Conference Proceedings**, 2019, **2148 (1)**, p. 030055. <https://doi.org/10.1063/1.5123977>
2. **N.K. Sahu**, M. Kumar, A. Dewan, "Computational study of non-reactive swirling flow in tangentially-fired configuration gasifier," **Materials Today: Proceedings**, 2020, **28**, pp. 2053- 2056. <https://doi.org/10.1016/j.matpr.2020.02.400>
3. **N.K. Sahu**, M. Kumar, A. Dewan, "A Computational study of entrained flow furnace with swirl burner configuration and low turbulence intensity flow," **Fluid Mechanics and Fluid Power. Lecture Notes in Mechanical Engineering**. Springer (2021), Singapore. https://doi.org/10.1007/978-981-16-0698-4_8