
List of Publications

Published Papers

1. Yadav S, Mondal SS. “A complete review based on various aspects of pulverized coal combustion”. **International Journal of Energy Research** 2019; 43:3134–65. <https://doi.org/10.1002/er.4395>
2. Yadav S, Mondal SS. “Numerical Predictions on the Influences of Inlet Temperature and Pressure of Feed Gas on Flow and Combustion Characteristics of Oxy-pulverized Coal Combustion”. **Combustion Science and Technology** 2019:1–28. <https://doi.org/10.1080/00102202.2019.1655405>
3. Yadav S, Mondal SS. “A Computational Modeling of the Influence of Different Oxy-fuel Combustion Environment on Combustion Characteristics and Particles Temporal History”. **Combustion Science and Technology** 2019:1–26. <https://doi.org/10.1080/00102202.2019.1680655>
4. Yadav S, Mondal SS. “Modelling of oxy-pulverized coal combustion to access the influence of steam addition on combustion characteristics”. **Fuel** 2020 (271) 117611,1-13. <https://doi.org/10.1016/j.fuel.2020.117611>
5. Yadav S, Mondal SS. “Numerical investigation of the effect of CO₂/H₂O composition in oxidizer on flow field and combustion behaviour of oxy-pulverized coal combustion”. **Combustion Science and Technology** 2020: 1-25. <https://doi.org/10.1080/00102202.2020.1760256>
6. Yadav S, Mondal SS. “Numerical investigation of the operating parameters on NO_x emission characteristics under oxy-coal combustion atmosphere in a tubular

combustor” **International Communications in Heat and Mass Transfer** 2020 (119) 104915. <https://doi.org/10.1016/j.icheatmasstransfer.2020.104915>

Communicated Papers

7. Yadav S, Mondal SS. “Numerical investigation of 660 MW pulverized coal-fired supercritical power plant retrofitted to oxy-coal combustion”. **International Journal of Greenhouse Gas Control** (Revision Submitted).
8. Yadav S, Mondal SS. “Numerical modelling of oxy-coal combustion to access the influence of swirl strength, combustion environment and gasification reactions on the flow and combustion behaviour”. **Combustion Theory and Modelling** (Under review).

Conferences:

1. Yadav S, Mondal SS. “Modeling of the Combustion behaviour of Single Coal Particle” *Proceedings of the 25thNational and 3rdInternational Heat and Mass Transfer Conference (IHMT-2019) December 28-31, 2019, IIT, Roorkee.*
2. Yadav S, Mondal SS. “Simplified Numerical Simulation of BERL Combustor and Prediction of NO_x Formation” *7th International and 45thNational Conference of Fluid Mechanics and Fluid Power (FMFP-2018) December 10-12, 2018, IIT, Bombay.*