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List of Publications

Journal

[1] **Bora, A.,** Roncancio, R., Sherrow, Z., Bitterolf, J., Gore, J. P. and Mahapatra, S. Effect of operational parameters and petroleum coke blending on the recycling of CO_2 during fixed-bed gasification of bamboo char. **Biomass and Bioenergy**. 199, 107966, 2025 https://doi.org/10.1016/j.biombioe.2025.107966

[2] **Bora, A.** and Mahapatra, S. Experimental study on combustion characteristics of bambusa tulda and petcoke at varying blending ratios. **Energy**. 320, 135383, 2025. https://doi.org/10.1016/j.energy.2025.135383

[3] **Bora, A.,** Choudhury, N. D., Muigai, H. H., Roncancio, R., Gore, J. P. and Mahapatra, S. Experimental and kinetic analysis of bambusa tulda pyrolysis in carbon dioxide and nitrogen atmosphere. **Industrial Crops and Products**. 222 (Part 3), 119806, 2024. https://doi.org/10.1016/j.indcrop.2024.119806

[4] Roncancio, R., **Bora, A.** and Gore, J. P. CO_2 recycling using sodium aluminate impregnated corn stover char gasification. **Fuel**. 357:129866, 2024. https://doi.org/10.1016/j.fuel.2023.129866

Conference

[1] **Bora, A**., Roncancio, R. and Gore, J. P. Pyrolysis rates of bamboo. Spring Technical Meeting, Central States Section of the Combustion Institute, 2022.

[2] Roncancio, R., **Bora, A**. and Gore J. P. CO_2 recycling using catalytic corn stover gasification, Spring Technical Meeting, Central States Section of the Combustion Institute, 2022.

[3] **Bora, A**. and Mahapatra, S. 2021. Tar generation in open-top and closed-top downdraft gasifiers. In: Mahapatra, S., Shahbaz, M., Vaccaro, A., Emilia Balas, V. (eds) Advances in Energy Technology. Advances in Sustainability Science and Technology. Springer, Singapore. https://doi.org/10.1007/978-981-15-8700-9_11