
Publications of Dr. Lutukurthi D N V V Konda

REFEREED JOURNALS:

1. Hazarika, Manoj, **DNVV Konda Lutukurthi**, and V. K. Rai., Photocatalytic activity of Ho³⁺-Yb³⁺ activated BiVO₄ upconverting phosphors, *Journal of Alloys and Compounds*, 1002 (2024): 175453. **IF: 5.8 (Q1)**.
<https://doi.org/10.1016/j.jallcom.2024.175453>
2. Akash Pratim Bora, **Lutukurthi D. N. V. V. Konda**, Paidinaidu Paluri & Krishna Sandilya Durbha, Valorization of hazardous waste cooking oil for the production of eco-friendly biodiesel using a low-cost bifunctional catalyst, *Environmental Science and Pollution Research*, 30 (2023), 55596–55614. **IF: 5.19 (Q2)**.
<https://doi.org/10.1007/s11356-023-26177-0>
3. Akash Pratim Bora, **Lutukurthi D. N. V. V. Konda**, Srinivas Pasupuleti, Krishna Sandilya Durbha, Synthesis of MgO/MgSO₄ nanocatalyst by thiourea–nitrate solution combustion for biodiesel production from waste cooking oil, *Renewable Energy*, 190 (2022), 474-486. **IF: 8.00 (Q1)**. <https://doi.org/10.1016/j.renene.2022.03.127>
4. **D.N.V.V.K. Lutukurthi**, S. Dutta, D.K. Behara, Dual role of activated carbon as fuel and template for solution combustion synthesis of porous Zinc Oxide (ZnO) powders, *Journal of American Ceramic Society*, 104 (2021), 4624-4636. **IF: 3.5 (Q1)**.
<https://doi.org/10.1111/jace.17841>
5. **D.N.V.V.K. Lutukurthi**, S. Dutta, D.K. Behara, Effect of ignition temperature and fuel amount on photocatalytic activity of solution combustion synthesized ZnO, *Ceramics International*, 46 (2020), 22419-22428. **IF: 3.83 (Q1)**.
<https://doi.org/10.1016/j.ceramint.2020.05.324>
6. **Lutukurthi D N V V Konda**, P Sivashanmugam, CFD Simulation of heat transfer characteristics in pilot plant scale bubble column, *IUP Journal of Chemical Engineering*, III (2011), 39-52.