

Dr. Shubrajit Bhaumik-Publications

- Shubrajit Bhaumik, Viorel Paleu, Rajan Pathak, Rishabh Maggirwar, Jitendra Kumar Katiyar, Anuj Kumar Sharma, 2019, Tribological investigation of r-GO additived biodegradable cashew nut shells liquid as an alternative industry lubricant, *Tribology International*, 135, 500-509. IF 3.246.
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- Anand Rathur, Jitendra Kumar Katiyar, Vinay Kumar Patel, Shubrajit Bhaumik, Anuj Kumar Sharma, 2018, A comparative study of tribological and mechanical properties of composite polymer coatings on bearing steel, *Int. J. Surface Science and Engineering*. IF 0.841
- Shubrajit Bhaumik, Behanan Roy Mathew, Shubhabrata Datta, 2019, Computational intelligence-based design of lubricant with vegetable oil blend and various nano friction modifiers, *Fuel*, 241, 733-743. IF 4.9.
- Shubrajit Bhaumik, Rishabh Maggirwar, Shubhabrata Datta and S.D Pthak, 2017, "Analyses of anti-wear and extreme pressure properties of castor oil with zinc oxide nano friction modifiers", *Applied Surface Science*, IF 3.387. <https://doi.org/10.1016/j.apsusc.2017.12.131>.
- Anuj Kumar Sharma, Jitendra Katiyar, Shubrajit Bhaumik and Sandipan Roy, 2018, "Influence of alumina/MWCNT hybrid nanoparticle additives on tribological properties of lubricants in turning operations, *Friction*, 6(22), IF 1.5. <https://doi.org/10.1007/s40544-018-0199-5>
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- With Pathak S.D, 2016, "A comparative experimental analysis of tribological properties between commercial mineral oil and neat castor oil using Taguchi method in boundary lubrication regime", *Tribology in Industry*, 38(1), 33-44, SNIP 1.3.
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- Shubrajit Bhaumik, S. Prabhu, Kingsly Jeba Singh, "Analysis of tribological behavior of carbon nano tube based industrial mineral gear oil 250 cSt viscosity", *Advances in Tribology*, Volume 2014, Article ID 341365, 13 March 2014 DOI <http://dx.doi.org/10.1155/2014/341365>, ISSN 1687-5915, Hindawi Publishing Corporation.
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- Niraj Kumar, Shubrajit Bhaumik, Arijit Sen, A. Pooja Shukla and S. D. Pathak, 2017, "One-pot synthesis and first-principles elasticity analysis of polymorphic MnO₂ nanorods for tribological assessment as friction modifiers", *RSC Advances*, 7, 34138-34148. IF: 3.10