

LIST OF PUBLICATIONS

1. **Rajeev Nayan Gupta**, A.P.Harsha. Synthesis, characterization and tribological studies of calcium-copper-titanate nanoparticles as a biolubricant additive. ASME, Journal of Tribology, 2017, 139(2), 021801/1-11. (DOI: 10.1115/1.4033714).
2. **Rajeev Nayan Gupta**, A.P.Harsha. Antiwear and extreme pressure performance of castor oil with nano-additives. Proceedings of the Institution of Mechanical Engineers Part J: Journal of Engineering Tribology, 2018, 232(9), 1055-1067. (DOI: 10.1177/1350650117739159)
3. **Rajeev Nayan Gupta**, A.P.Harsha. Friction and wear of nano-additive based biolubricants in steel-steel sliding contacts - A comparative study. Journal of Materials Engineering and Performance, 2018, 27, 648-658. (<https://doi.org/10.1007/s11665-018-3175-3>).
4. **Rajeev Nayan Gupta**, A.P.Harsha. Tribological evaluation of calcium-copper-titanate/cerium oxide based nanolubricants in sliding contact. Lubrication Science, 2018, 30, 175-187. (DOI: 10.1002/ls.1415)
5. **Rajeev Nayan Gupta**, A.P.Harsha, Sagar Singh. Tribological study on rapeseed oil with nano-additives in close contact sliding situation. Applied Nanoscience, 2018, 1-14. (<https://doi.org/10.1007/s13204-018-0670-7>)
6. **Rajeev Nayan Gupta**, A.P.Harsha. Tribological study of castor oil with surface modified CuO nanoparticles in boundary lubrication. Industrial Lubrication and Tribology, 2018, 70(4). (<https://doi.org/10.1108/ILT-02-2017-0030>)

LIST OF NATIONAL/INTERNATIONAL CONFERENCES

1. Rajeev Nayan Gupta, A.P.Harsha. Experimental study on role of zinc dialkyl-dithiophosphate in castor oil. National Tribology Conference 2014, held at PES University, Bangalore. Proceeding page 122-128.
2. Rajeev Nayan Gupta, A.P.Harsha. Antiwear and extreme pressure properties of $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ nanoparticles as biolubricant additive. National conference on Tribology-Energy, Environment and Efficiency 2016, held at CSIR-AMPRI, Bhopal.
3. Rajeev Nayan Gupta, A.P.Harsha. Tribological study on CeO_2 nanoparticles as a biolubricant additive. National Tribology Conference 2016, held at IIT(BHU), Varanasi. Proceeding page 29-30.
4. Rajeev Nayan Gupta, A.P.Harsha. Antiwear performance of chemically modified sunflower oil with CeO_2 nanoparticle as an additive. International Conference on Industrial Tribology (ICIT-2017), Kolkata.
5. Rajeev Nayan Gupta, A.P.Harsha. Tribological evaluation of calcium-copper-titanate and cerium oxide nano-additives in paraffin oil. World Tribology Conference (WTC-2017), Beijing, China. Proceeding page 65.