

## *Journal papers/ Conf. papers 2019-2018 (SCI/ Scopus )*

### **YEAR 2019-2018**

1. Danish S, **Wani M F**. Tribological behavior of chrome-deposited SAE9254 grade steel top compression piston ring under lubrication starvation and mild extreme pressure lubrication. International Journal of Engine Research 2019;22(4):1285-1300. <https://doi.org/10.1177/1468087419890995>
2. Kalyanwat AS, Sarkar S, Biswas M, Haldar R, Bandyopadhyay S, **Wani MF**. SPS MoSi<sub>2</sub>-reinforced Y-Alpha-SiAlON ceramics: mechanical and high temperature tribological properties. J of Australian ceramic society 2019;1-9, 2019. DOI: [10.1007/s41779-019-00419-2](https://doi.org/10.1007/s41779-019-00419-2)
3. Danish S, **Wani MF**. Evaluating scuffing failure in dry sliding conditions of monolayer chromium piston ring/bulk grey cast iron liner interface. Tribology Online 2019;15(1):9-17. <https://doi.org/10.2474/trol.15.9>
4. Banday S, **Wani MF**. Nanoscratch resistance and nanotribological performance of Ti/MoS<sub>2</sub> coating on Al-Si alloy deposited by pulse laser deposition technique. Trans. ASME, J. of Tribology 2019;141(2):1-24. <https://doi.org/10.1115/1.4041366>
5. Banday S, **Wani MF**. Nanomechanical and nanotribological characterization of multilayer self lubricating /MoS<sub>2</sub>/Si/MoS<sub>2</sub> nanocoating on Al-Si substrate. Surface and Interface Analysis 2019;1-12. <https://doi.org/10.1002/sia.6631>
6. Kumar D, Lal B, **Wani MF**, Philip J T, Kuriachen B. Dry sliding wear behaviour of Ti-6Al-4V pin against SS316L disc in vacuum condition at high temperature. Tribology-Materials, Surfaces and Interfaces 2019;13(3):182-189. <https://doi.org/10.1080/17515831.2019.1637148>
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9. Khajuria G, **Wani MF**, Mushtaq S, Sehgal R. Optimization of the effect of indentation load and dwell time on micro hardness values using fuzzy logic predictive model. Jurnal of Physics: Conference Series 2019;1240:1-10. <https://doi.org/10.1088/1742-6596/1240/1/012085>
10. Khan MJ, Gandotra H, Saleem SS, **Wani MF**. Correlating the effect of material hardness, counterface hardness and load on the friction and wear of virgin and glass filled polytetrafluoroethylene (PTFE) using Taguchi approach and statistical analysis. Jurnal of Physics: Conference Series 2019;1240:1-9. <https://doi.org/10.1088/1742-6596/1240/1/012106>
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