| **Dr. Ezhilmaran V** | |
|---|---|
| **Designation** | Assistant Professor (Sr. Grade) |
| **Specialization** | Manufacturing |
| **Mail ID** | **ezhilmaran25@gmail.com** |
| **Mobile Number** | **+919840345256** |


**Journal Publications:**


[1] Ezhilmaran, V., Nilesh J. Vasa, Sivarama Krishnan, and L. Vijayaraghavan. "Femtosecond pulsed Ti: sapphire laser-assisted surface texturing on piston ring and its tribology characterization." **Journal of Tribology** 143, no. 4 (2020). **Impact factor: 1.318.**

[2] Ezhilmaran V, Vijayaraghavan L, Vasa NJ, Sivaramakrishnan, Femtosecond laser assisted generation of micro-dimples on moly-chrome film for improving its tribology. **International Journal of Precision Technology**. 2019; 8: 261-278. DOI: 10.1504/IJPTECH.2019.10022595. **Impact factor: 0.22.**

[3] Ezhilmaran, V., L. Vijayaraghavan, and N. J. Vasa. "Nd3+: YAG laser surface processing of moly-chrome film at 1064 nm, 532 nm and 355 nm wavelengths." **Procedia Manufacturing** 26 (2018): 712-719.

[4] Ezhilmaran V, Vijayaraghavan L, Vasa NJ, Sivaramakrishnan. Influence of pulse width in laser assisted texturing on moly-chrome films. **Applied Physics A**. 2018; 124: 167(1-8). doi.org/10.1007/s00339-018-1582-9. **Impact Factor: 1.694.**

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[1] Ezhilmaran V, Vijayaraghavan L and Vasa NJ (2017) "Nd3+:YAG laser surface processing of moly-chrome film at 1064 nm, 532 nm and 355 nm wavelengths." The 46th North American Manufacturing Research Conference (NAMRC 46), June 2018 Texas A&M University College Station, Texas, United States of America.

[2] Ezhilmaran V, Vijayaraghavan L, Vasa NJ and Sivaramakrishnan (2017) "Femtosecond Laser Assisted Micro Dimple Formation on Moly-chrome film" International Conference on Precision, Meso, Micro and Nano Engineering (COPEN 2017), December 2017, IIT Madras, India, pp. 367-371

[3] Ezhilmaran V, Vijayaraghavan L, Vasa NJ and Sivaramakrishnan (2017) "Influence of pulse width in laser assisted texturing on chromium films" International Conference on Laser ablation (COLA 2017), September 2017, Marseille France, pp326.

[4] Ezhilmaran, Vijayaraghavan L, N J Vasa (2017) "Investigation of $Nd^{3+}$:YAG laser aided surface texturing to improve the tribological characteristics of piston ring" The 18th International Symposium on Laser Precision Microfabrication (LPM 2017), June 2017, Toyama, Japan

[5] Ezhilmaran V, Vijayaraghavan L, Vasa NJ and Cherian NK (2015) "Improving Tribology of Piston Ring by Surface Texturing using Nano Second Pulsed Laser" All India Manufacturing Technology, Design and Research (AIMTDR 2016), December 2016, College of Engineering Pune, pp. 2055-2059.

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