

Dr. M. S. Starvin

List of publications

1. Alphonse, A.S., **Starvin, M.S.**, (2020), "A novel and efficient approach for the classification of skin melanoma", Journal of Ambient Intelligence and Humanized Computing [DOI: doi.org/10.1007/s12652-020-02648-x]
2. **Starvin M.S.**, Venugopal Nair, Ganesh KC, Adarsh M, Ajith R, (2020), "Modal Analysis of Transmission Housing Using Finite Element Modeling for Various Assembly Conditions," SAE Technical Paper 2020-28-0367, [DOI: https://doi.org/10.4271/2020-28-0367]
3. **Starvin M.S.**, Venugopal Nair, Ganesh KC, (2020), "Structural Analysis of Belleville Spring Used in Automatic Shift Transmission Multi-Plate Wet Clutch for Off-Highway Application," SAE Technical Paper 2020-28-0491, [DOI: https://doi.org/10.4271/2020-28-0491]
4. Sherly Alphonse, A., Ani Brown Mary, **Starvin M.S.**, (2020), "Classification of membrane protein using Tetra Peptide Pattern" Analytical Biochemistry, 606 113845. (Impact factor- 2.877), [DOI: https://doi.org/10.1016/j.ab.2020.113845]
5. Kavimani V., Soorya Prakash K., **Starvin M. S.**, Kalidas B. Viswamithran, V. Arun S. R., (2020), "Tribo-Surface Characteristics and Wear Behaviour of SiC@r-GO/Mg Composite Worn under Varying Control Factor", Silicon, (Springer-Publication), Vol. 12, pp. 29–39 (Impact factor- 1.246) [DOI: /10.1007/s12633-019-0095-2]
6. Sherly Alphonse, A., **Starvin M.S.**, (2019), "A novel Maximum and Minimum Response-based Gabor (MMRG) Feature Extraction method for Facial Expression Recognition", Multimedia Tools and Applications, 78(16), pp.23369-23397 (Springer-Publication), (Impact Factor :2.313).
7. **Starvin M.S.**, Ganesh K.C., Vasudevan M., (2018), "Numerical simulation of creep behavior of 316LN stainless steel weld joint" Materials Today: Proceedings 5, pp. 8193–8198 [DOI: https://doi.org/10.1016/j.matpr.2017.11.508]
8. **Starvin M.S.** , Ganesh K.C., Pandiyarajan R, 2017, 'Correlation of fracture parameters during onset of crack in middle tension specimen', Journal of Computational Design and Engineering, (Elsevier Publication), Vol. 4, pp. 169–177. [DOI: https://doi.org/10.1016/j.jcde.2017.02.002]
9. Babu S, Paul Gregory, Prem Kumar M, **Starvin M.S**, Sai Phanendra Gorantla, (2016), "Experimental And CFD Analysis of Diffuser Wind Turbine For Small Buildings", Journal of Advanced Research in Dynamical and Control Systems, Special Issue – 2 / 2017, pp.204-211; ISSN: 1943023X.
10. **Starvin, M.S.**, Manisekar, K, 2015, 'The Effect of Manufacturing Tolerances on the Load carrying Capacity of Large Diameter Bearings' Sadhana - Academy Proceedings in Engineering Science, (Springer-Publication) Vol. 40, Part 6, pp. 1899–1911 (Impact factor- 0.769) [DOI: https://doi.org/10.1007/s12046-015-0427-x]
11. **Starvin, M.S**, Manisekar, K, Simon Christopher, A & Selvakumar, K 2015, 'A New Stable Numerical Method to find the Change in Angle of Contact in Angular contact Ball

- bearing Subject to Thrust Load' Journal of the Balkan Tribological Association, vol.21, no.2, pp. 339-350. (Impact Factor 0.32)
12. **Starvin, M.S**, Manisekar, K & Nagasubramanian, N 2015, 'Design Optimization of Large Diameter Ball Bearings Using Genetic Algorithms', International Journal of Applied Engineering Research, vol. 10, no. 7, pp. 17729-17741.
 13. S Kartheesan., **Starvin,M.S**. "The Experimental Investigation of wear Behaviour on Al 7075 T6 Coated with Nickel Chrome Carbide" International journal of Engineering Research & Technology, Vol.2- issue 11 Nov.2013. ISSN: 2278-0181.
 14. Murugan S, **Starvin M.S**, Dhas KM., (2013), "Thermo structural analysis of high pressure cryogenic tank" International journal of Engineering Research & Technology, Vol.2- issue 11. ISSN: 2278-0181.
 15. **Starvin, M.S**, Babu, S, Sriramachandra Aithal, Manisekar, K & Chellapandi, P 2013, 'Finite Element Simulation of Non- Linear Deformation Behaviour in Large Diameter Angular Contact Thrust Bearing' Scientific Research and Essays, vol. 8, no.3, pp. 128 – 138. (Impact Factor 0.45) [DOI: <https://doi.org/10.5897/SRE12.536>]
 16. Babu S., Manisekar K., **Starvin M.S.**, (2012) "Experimental Investigation of Friction effect on Linear Model Rolling Bearings for large diameter thrust bearing design" Tribology in industry, Vol. 34, No. 1, pp.111-118.
 17. Pandiyarajan.R, **Starvin.M.S**, Ganesh.K.C., (2012) "Contact Stress Distribution of Large Diameter Ball Bearing Using Hertzian Elliptical Contact Theory" Procedia Engineering 38, pp. 264 – 269. (ISSN: 1877-7058 © 2012).
 18. **Starvin.M.S.**, Simon Christopher.A., Manisekar. K. (2011), "Static Analysis of Large Diameter Bearings Subjected to Thrust Load: Numerical Approach" CiiT International journal of Automation and Autonomous System, DOI: AA082011011, ISSN 0974 – 9659.
 19. **Starvin.M.S.**, Ebenezer Samuel Daniel.J and Manisekar.K., (2011), "Finite Element Analysis and Experimental validation on Non-Linear Stiffness of Ball Bearing" CiiT International journal of Automation and Autonomous System, DOI: AA082011013, ISSN 0974 – 9659.