

**Dr. CM Manjunatha, Chief Scientist and Head, SID, CSIR-NAL**

**List of Journal publications (In reverse chronological order)**

1	Sharanagouda G Malipatil, N Nagarajappa, Anuradha N Majila, D Chandru Fernando, Ramesh Bojja, N Jagannathan, M Manjuprasad, CM Manjunatha. A study on the fatigue crack growth behaviour of GTM718 nickel based super alloy under cold-TURBISTAN spectrum loads, <i>Theoretical and Applied Fracture Mechanics</i> , Vol. 120, 2022, 103386, <a href="https://doi.org/10.1016/j.tafmec.2022.103386">https://doi.org/10.1016/j.tafmec.2022.103386</a>
2	CM Manjunatha, Shylaja Srihari. A brief review on the fatigue behavior of continuous fiber reinforced thermosetting epoxy polymer based nanocomposites, <i>Transactions of the Indian National Academy of Engineering</i> , Vol. 7, issue 2, 2022, pp. 501-507. <a href="https://doi.org/10.1007/s41403-022-00320-8">https://doi.org/10.1007/s41403-022-00320-8</a>
3	N Nagarajappa, Sharanagouda, Anuradha N Majila, D Chandru Fernando, M Manjuprasad, CM Manjunatha, Fatigue crack growth prediction in nickel base super alloys under cold-TURBISTAN spectrum loads using FRANC3D, <i>Transactions of the Indian National Academy of Engineering</i> , Vol. 7, issue 2, 2022, pp. 533-540. <a href="https://doi.org/10.1007/s41403-021-00277-0">https://doi.org/10.1007/s41403-021-00277-0</a>
4	Sharanagouda G Malipatil, Anuradha N Majila, D Chandru Fernando, M Manjuprasad, CM Manjunatha. A comparison of damage tolerance behaviour of two different nickel base super alloys under a turbine standard spectrum loads, <i>Materials Today: Proceedings</i> , Vol. 47, Part-14, 2021, pp. 4897-4900. <a href="https://doi.org/10.1016/j.matpr.2021.06.265">https://doi.org/10.1016/j.matpr.2021.06.265</a>
5	BR Thammaiah, Chandru Fernando, Anuradha Majila, AR Anilchandra, MS Nandana, K Udaya Bhat, CM Manjunatha, High strain rate behavior of GTM-900 titanium alloy, <i>Materials Performance and Characterization</i> , Vol. 10, No. 2, 2021, pp.195-206. <a href="https://doi.org/10.1520/MPC20200157">https://doi.org/10.1520/MPC20200157</a>
6	Sharanagouda G Malipatil, Anuradha N Majila, D Chandru Fernando, M Manjuprasad, CM Manjunatha, Fatigue crack growth behaviour of a nickel base super alloy GTM720 under cold-TURBISTAN spectrum load sequence, <i>Theoretical and Applied Fracture Mechanics</i> Vol. 112, 2021, 102913. <a href="https://doi.org/10.1016/j.tafmec.2021.102913">https://doi.org/10.1016/j.tafmec.2021.102913</a>
7	Sharanagouda G Malipatil, Anuradha N Majila, D Chandru Fernando, M Manjuprasad, CM Manjunatha. Damage tolerance behaviour of a nickel-based super-alloy GTM718 under Cold-TURBISTAN variable amplitude loads, <i>Transactions of Indian Institute of Metals</i> , Vol. 74, 2021, pp. 901–907. <a href="https://doi.org/10.1007/s12666-021-02212-x">https://doi.org/10.1007/s12666-021-02212-x</a>
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9	Sharanagouda G Malipatil, Anuradha N Majila, D Chandru Fernando, CM Manjunatha. Influence of crack driving force on correlating stress ratio effects in fatigue crack growth rate of a nickel base super alloy IN720, <i>International Journal of Advances in Engineering Sciences and Applied Mathematics</i> , Vol. 12, No. 1, 2020, pp 19-26.

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