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## LIST OF PUBLICATIONS

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1. Sandeep Kumar Gupta, R. Manna, Kausik Chattopadhyay, "Ductilization of high carbon, high silicon carbide-free nanostructured bainitic steel." *Materials Science and Engineering: A* 860 (2022) 144318.
2. Sandeep kumar Gupta, R. Manna, Kausik Chattopadhyay, "Effect of Austempering Time on Electrochemical and Immersion Corrosion Behaviour of High Carbon, Carbide-Free Nanostructured Bainitic Steel in an Aqueous 3.5% NaCl." *Metals and Materials International* (2023). <https://doi.org/10.1007/s12540-023-01413-x>.
3. Sandeep kumar Gupta, R. Manna, Kausik Chattopadhyay, "Effect of Austempering Time on Tribological behaviour of High Carbon, Carbide-Free Nanostructured Bainitic Steel" *Silicon* (2023). (Under review)

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## CONFERENCES PRESENTATIONS

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1. Poster: S. K. Gupta, R. Manna and K. Chattopadhyay, "Microstructure and Mechanical Properties of Carbide-Free Bainitic Steel", IIM NMD-ATM 2019, November 2019.
2. Oral: S. K. Gupta, R. Manna and K. Chattopadhyay, "Optimization of Melting Process for Manganese Containing Bainitic Steel", 58th National Metallurgist Day and 74<sup>th</sup> Annual Technical Meeting (NMD-ATM 2020), February 2021.

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## NATIONAL / INTERNATIONAL WORKSHOP ATTENDED

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1. Six-day workshop on "Electron Microscopy & Microanalysis of Materials", February 2018.
2. Six-day workshop on "Mechanical Properties and Deformation Behaviour of Structural Materials", August 2018.

3. Six-day workshop on “Metallurgical Failures”, February 2019.