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LIST OF PUBLICATIONS AND CONFERENCES ATTENDED

List of Publications:

1. **Nandini Singh**, Y Shadangi, N K Mukhopadhyay, “Phase Evolution and Thermal Stability of Low-Density MgAlSiCrFe High-Entropy Alloy Processed Through Mechanical Alloying”, **Transactions of the Indian Institute of Metals**, 73 (2020) 2377–2386. (a part of Chapter 3).
2. **Nandini Singh**, Y Shadangi, G S Goud, V K Pandey, V Shivam, N K Mukhopadhyay, “Fabrication of MgAlSiCrFe Low-Density High-Entropy Alloy by Mechanical Alloying and Spark Plasma Sintering”, **Transactions of the Indian Institute of Metals**, 74 (2021) 2203–2219. (a part of Chapter 3).
3. **Nandini Singh**, Y Shadangi, V Shivam, N K Mukhopadhyay, “MgAlSiCrFeNi low-density high entropy alloy processed by mechanical alloying and spark plasma sintering: Effect on phase evolution and thermal stability”, **Journal of Alloys and Compounds**, 874 (2021) 159923. (a part of Chapter 4).
4. **Nandini Singh**, R Gupta, P Pradhan, Y Shadangi, N K Mukhopadhyay, “MgAlSiCrFeCuZn low-density high entropy alloy processed by mechanical alloying and spark plasma sintering: Effect on phase evolution and thermal stability”, **Journal of Materials Science & Technology**. (to be published; a part of Chapter 5).

LIST OF PUBLICATIONS AND CONFERENCES ATTENDED

List of Conference Presentation:

1. **Nandini Singh**, N.K. Mukhopadhyay, “Synthesis and Characterization of MgAlSiCrFeNi High Entropy alloy by Mechanical Alloying”, ICAM, 6-7th March 2019, Delhi, India.
2. **Nandini Singh**, N.K. Mukhopadhyay, “Synthesis and Characterization of Light weight MgAlSiCrFe High Entropy Alloy by Mechanical Alloying”, EMSI, 18-20th July 2018, Bhubaneswar, India.
3. **Nandini Singh**, N.K. Mukhopadhyay, “Synthesis and Characterization of MgAlSiCrFeCuZn and MgAlMnCrFeCuZn High Entropy Alloy by Mechanical Alloying”, National workshop on HEAs, 28-29th March, 2015, IIT Madras, India.
4. **Nandini Singh**, Y Shadangi, S Varalakshmi, V K Pandey, V Shivam and N K Mukhopadhyay, “A novel equiatomic and non-equiatomic high entropy alloys and composite”, Light Metals and Composites; MS&T 2021, November 02-06, 2020, USA.
5. **Nandini Singh**, Y Shadangi, V.K. Pandey, V. Shivam and N K Mukhopadhyay, “Surge for Design and Development of Low-density High Entropy Alloys and Composites”, Development of Light Weight Alloys and Composites, MS&T 2021, October 17-20, 2020, Columbus, Ohio, USA.