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# **LIST OF PUBLICATIONS**

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**(Publications from Ph.D. Thesis Work)**

1. **Y. Shadangi**, V. Shivam, S. Varalakshmi, J. Basu, B. Majumdar, N.K. Mukhopadhyay, V. Shivam, S. Varalakshmi, J. Basu, K. Chattopadhyay, N.K. Mukhopadhyay, “Mechanically driven structural transformation in Sn reinforced Al-Cu-Fe quasicrystalline matrix nanocomposite”, **Journal of Alloys and Compounds.** 834 (2020) 155065. **(part of Chapter 3)**
2. **Y. Shadangi**, S. Sharma, V. Shivam, J. Basu, K. Chattopadhyay, B. Majumdar, N.K. Mukhopadhyay, “Fabrication of Al–Cu–Fe quasicrystal reinforced 6082 aluminium matrix nanocomposites through mechanical milling and spark plasma sintering”, **Journal of Alloys and Compounds.** 828 (2020) 154258. **(part of Chapter 4)**
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4. **Y Shadangi**, V Shivam, G Surya Prakash, J Basu, K Chattopadhyay, N K Mukhopadhyay; “Non-equiautomic AlSiCrMnFeNiCu high entropy alloy reinforced AA 6082 Al matrix nanocomposites processed by mechanical milling: Structure & microstructure, thermal stability and microhardness”, **Advanced Powder Technology** (to be published). **(part of Chapter 5)**
5. **Y Shadangi**, V Shivam, K Chattopadhyay, N K Mukhopadhyay, “Structure, microstructure and toughening behavior of Sn reinforced Al-Cu-Fe quasicrystals processed through mechanical milling and spark plasma sintering”, **Powder Technology** (to be published). **(part of Chapter 3)**
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**(Publications from Other Work)**

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13. Rajat Gupta, **Y Shadangi**, A K Chaubey, K Chattopadhyay, N K Mukhopadhyay, "CNT reinforced AA 6082 Al matrix nanocomposites: Influence of mechanical milling and cryomilling", **Materials Science and Engineering A** (to be submitted)
14. Ketan Ganne Balaji, **Y. Shadangi**, M K Singh, N K Mukhopadhyay, "Structural evolution in Al-Fe intermetallics: Influence of mechanical milling and cryomilling", **Powder Metallurgy** (to be submitted).
15. Pankaj, **Y.Shadangi**, K Chattopadhyay, A K Bhatnagar, V Singh, "Effect of SMAT on thermal stability and mechanical properties of Cp-Ti", **Transaction of Indian Institute of Metals** (to be submitted).

### **(List of Conferences Attended)**

1. **Y Shadangi**, V Shivam, S Sharma, S Varalakshmi, J Basu, K Chattoapdhyay, B Majumdar, N K Mukhopadhyay; Structural transformation and microstructural characterization of Al-Cu-Fe reinforced 6082 Al matrix nanocomposites; 12<sup>th</sup> – Asia Pacific Microscopy Congress (APMC) 2020, February 03-07, 2020, Hyderabad, India **(part of Chapter 4)**
2. **Y Shadangi**, S Varalakshmi, S Sharma, V Shivam, J Basu, K Chattoapdhyay, B Majumdar, N K Mukhopadhyay; Electron microscopy of Al-Cu-Fe quasicrystalline

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composite and Al matrix nanocomposite processed by non-equilibrium processing; 12<sup>th</sup> – Asia Pacific Microscopy Congress (APMC) 2020, February 03-07, 2020, Hyderabad, India. (**part of Chapter 4**)

3. **Y Shadangi**, V Shivam, V Pandey, J Basu, K Chattopadhyay, B N Sarma, N K Mukhopadhyay A novel AlCuFeMnMg low-density high entropy alloy processed by mechanical alloying and spark plasma sintering; IWHEM-2020, March 07-08, 2020, IIT Kanpur, India.
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