
LIST OF PUBLICATIONS

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Paper published in peer journals

1. **M. Raviathul Basariya**, V.C. Srivastava and N.K. Mukhopadhyay, “Microstructural characteristics and mechanical properties of carbon nanotube reinforced Aluminum alloy composites produced by ball milling” *Materials and Design*, **64**, 542-549 (2014).
2. **M. Raviathul Basariya**, V.C. Srivastava and N.K. Mukhopadhyay, “Effect of milling time on structural evolution and mechanical properties of garnet reinforced EN AW6082 composites” *Metallurgical and Materials Transactions A*, **46**, 1360-1373 (2015).
3. **M. Raviathul Basariya**, Rajat K. Roy, A.K. Pramanick, V.C. Srivastava, and N.K. Mukhopadhyay, “Structural transition and softening in Al-Fe intermetallic compounds induced by high energy ball milling” *Materials Science and Engineering A*, **638**, 282-288 (2015).
4. **M. Raviathul Basariya**, V.C. Srivastava, and N.K. Mukhopadhyay, “Investigation of Al-based composites reinforced with garnet and multi-wall carbon nanotubes” (*Materials Science and Technology* (submitted 2015)).
5. **M. Raviathul Basariya**, N.K. Mukhopadhyay, Sriharsha Sripathi, K.A. Padmanabhan, “Inverse Hall-Petch Effect in intermetallics” (*Materials Letters* (submitted, 2015)).
6. **M. Raviathul Basariya**, V.C. Srivastava and N.K. Mukhopadhyay, “Inverse Hall-Petch relationship in nanocrystalline Al₅Fe₂ intermetallic produced by ball milling” (*Journal of Applied Physics Letters*, (to be submitted, 2015)).

Conference presentations

1. **M. Raviathul Basariya**, V.C. Srivastava, N.K Mukhopadhyay and S. Srikanth “Structural evolution and mechanical properties of garnet reinforced EN AW6082 Al-alloy nanocomposites” *51th NMD and 67th ATM of IIM*, Nov. (2013) Varanasi, India.
2. **M. Raviathul Basariya**, V.C. Srivastava and N.K Mukhopadhyay “Design and development of Al-based nanocomposites reinforced with garnet and multi-wall carbon nanotubes” *IIMR*, June (2015), CSIR-CGCRI, Kolkata, India.
3. **M. Raviathul Basariya**, V.C. Srivastava and N.K Mukhopadhyay “On the experimental validation of inverse Hall-Petch in intermetallics” to be presented at *53th NMD and 69th ATM of IIM*, Nov. (2015) Coimbatore, India.