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## List of Publications

The work carried out under the thesis led to the following publications:

1. **Rakhi Tiwari**, Santwana Mukhopadhyay, "Boundary integral equations formulation for fractional order thermoelasticity", *Computational Methods in Science and Technology*, 2014, 20(2), 49-58.
2. **Rakhi Tiwari**, Santwana Mukhopadhyay, "On harmonic plane wave propagation under fractional order thermoelasticity: an analysis of fractional order heat conduction equation", *Mathematics and Mechanics of Solids*, On-line available 2015, DOI: 10.1177/1081286515612528.
3. **Rakhi Tiwari**, Santwana Mukhopadhyay, "Investigation on magneto-thermoelastic disturbances induced by thermal shock in an elastic half space having finite conductivity under dual phase-lag heat conduction", *Computational Methods in Science and Technology*, 2016, DOI: 10.12921/cmst.2016.0000019.
4. **Rakhi Tiwari**, Santwana Mukhopadhyay, "Analysis of wave propagation in presence of a continuous line heat source under heat transfer with memory dependent derivatives", *Mathematics and Mechanics of Solids* (Accepted Jan' 2017).
5. **Rakhi Tiwari**, Santwana Mukhopadhyay, "On electro-magneto-thermoelastic plane waves under Green- Naghdi theory of thermoelasticity-II", *Journal of Thermal Stresses* (Under revision).
6. **Rakhi Tiwari**, Santwana Mukhopadhyay, "On magneto-thermo-elastic wave propagation in a finitely conducting medium under thermoelasticity of type I, II and III", *Archives of Mechanics* (Under review).

## List of Conference Presentations

1. **Rakhi Tiwari** and Santwana Mukhopadhyay, "Reciprocity theorem and its applications to fractional order thermoelasticity", *National Conference of the Mathematical Society on Recent trends in Mathematical Modelling and Simulations*, BHU, Feb 3-4, 2014.
2. **Rakhi Tiwari** and Santwana Mukhopadhyay, "A comparative study of magneto-thermo-elastic plane waves with finite conductivity under thermoelasticity of type I, II and III", *International Conference on Mathematical Techniques in Engineering Applications*, Graphic Era University, Dehradun, April 29-30, 2016.
3. **Rakhi Tiwari** and Santwana Mukhopadhyay, "An analysis of electro-magneto-thermoelastic plane waves under Green-Naghdi theory of thermoelasticity", *International Conference on Mathematical Modeling and Simulation*, Department of Mathematics, BHU, Aug 29-31, 2016.
4. **Rakhi Tiwari** and Santwana Mukhopadhyay, "Analysis of plane wave propagation under fractional order thermoelasticity", *International Conference of Mathematical Analysis and its Applications*, Department of Mathematics, IIT Roorkee, Nov 28- Dec 02, 2016.
5. **Rakhi Tiwari** and Santwana Mukhopadhyay, "Wave propagation in presence of a continuous line heat source with memory dependent derivative heat transfer", *International Conference of the Indian Mathematics Consortium (TIMC) in Corporation with American Mathematical Society (AMS)*, DST, BHU, Dec 14-17, 2016.

