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PUBLICATIONS AND CONFERENCES

Publication Related to the Thesis:

1. **Komal Jangid** and Santwana Mukhopadhyay. "A domain of influence theorem under MGT thermoelasticity theory." *Mathematics and Mechanics of Solids* 26(2), 285-295 (2021). Sage Journals (SCIE, IF: 2.6).
2. **Komal Jangid** and Santwana Mukhopadhyay. "A domain of influence theorem for a natural stress-heat-flux problem in the Moore-Gibson-Thompson thermoelasticity theory." *Acta Mechanica* 232, 177-187 (2021). Springer (SCI, IF: 2.7).
3. **Komal Jangid** and Santwana Mukhopadhyay. "On propagation of harmonic plane waves under the Moore-Gibson-Thompson thermoelasticity theory." *Waves in Random and Complex Media*, 1-24 (2021). Taylor & Francis (SCI, IF: 4.05).
4. **Komal Jangid** and Santwana Mukhopadhyay. "Legendre wavelet collocation method for investigating thermo-mechanical responses on biological tissue during laser irradiation." (Under review in an International Journal)
5. **Komal Jangid** and Santwana Mukhopadhyay. "Variational and reciprocal principles on the

temperature-rate dependent two-temperature thermoelasticity theory." *Journal of Thermal Stresses* 43(7), 816-828 (2020). Taylor & Francis (SCI, IF: 2.8).

6. **Komal Jangid** and Santwana Mukhopadhyay. "Thermoelastic interactions on temperature-rate-dependent two-temperature thermoelasticity in an infinite medium subjected to a line heat source." *Zeitschrift für angewandte Mathematik und Physik* 73, 196 (2022). Springer (SCI, IF: 2.0)
7. **Komal Jangid** and Santwana Mukhopadhyay. "Variational principle and continuous dependence results on the generalized poro-thermoelasticity theory with one relaxation parameter." *Continuum Mechanics and Thermodynamics* 34, 867-881 (2022). Springer (SCI, IF: 2.6)
8. **Komal Jangid** and Santwana Mukhopadhyay. "Application of Legendre wavelet collocation method to the analysis of poro-thermoelastic coupling with variable thermal conductivity." *Computers and Mathematics with Applications* 146, 1-11 (2023). Elsevier (SCI, IF: 2.9)

Publications Apart from Thesis:

1. Manushi Gupta, **Komal Jangid**, and Santwana Mukhopadhyay. "Domain of influence results of dual-phase-lag thermoelasticity theory for natural stress-heat-flux problem." *Zeitschrift für angewandte Mathematik und Physik* 73(4), 169 (2022). Springer (SCI, IF: 2.0)
2. Bhagwan Singh, **Komal Jangid**, and Santwana Mukhopadhyay. "Legendre wavelet method on size dependent bending analysis of nanobeam under nonlocal strain gradient theory." (Under review in an International Journal)

Conferences and Workshops:

1. Attended a workshop on “**Recent Trends in Modelling & its applications**” held at PG college Gazipur during September 04-08, 2022.
2. Participated in **International Conference on dynamical systems, control and their applications** held at IIT Roorkee during July 01-03, 2022 and presented a work with the title “A domain of influence theorem under MGT thermoelasticity theory.”
3. Participated in **International Conference of CMSE** held at BITS-Pilani, Hyderabad during April 22-24, 2022 and presented a work with the title “A domain of influence theorem for a natural stress-heat-flux problem in the Moore-Gibson-Thompson thermoelasticity theory.”
4. Attended a workshop on “**Recent Development in Mathematical Modelling in Engineering Sciences**” held at NIT Uttarakhand during December 27-31, 2021.
