

# Publications and Workshops

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## JOURNAL PUBLICATIONS:

1. Roushan Kumar, **Anil Kumar** and Santwana Mukhopadhyay, “An Investigation on Thermoelastic Interactions under Two-temperature Thermoelasticity with two Relaxation Parameters”, *Mathematics and Mechanics of Solids*, 21 (6) (2016),725-736.
2. **Anil Kumar**, Shashi Kant and Santwana Mukhopadhyay, “An In-depth Investigation on Plane Harmonic Waves under Two-temperature Thermoelasticity with two Relaxation Parameters”, *Mathematics and Mechanics of Solids*, 22 (2), (2017), 191-209.
3. **Anil Kumar** and Santwana Mukhopadhyay, “An Investigation on Thermoelastic Interactions under an Exact Heat Conduction Model with a Delay Term”, *Journal of Thermal Stresses*, 39(8), (2016), 1002-1016.
4. **Anil Kumar** and Santwana Mukhopadhyay, “Investigation on the Effects of Temperature Dependency of Material Parameters on a Thermoelastic Loading Problem”, *Zeitschrift für Angewandte Mathematik und Physik, ZAMP*, (2017), [doi.org/10.1007/s00033-017-0843-3](https://doi.org/10.1007/s00033-017-0843-3).
5. Bharti Kumar, **Anil Kumar** and Santwana Mukhopadhyay, “ Investigation of harmonic plane waves: detailed analysis of recent thermoplastic model with single delay term”, *Mathematics and Mechanics of Solids*, (2018), [doi.org/10.1177/1081286518755232](https://doi.org/10.1177/1081286518755232).
6. **Anil Kumar**, Bharti Kumari, Santwana Mukhopadhyay, “Thermo-mechanical Responses of an Annular Cylinder with Temperature Dependent Material Properties under Thermoelasticity Without Energy Dissipation”, *Computational Methods in Science and Technology*, 23(4), (2017), 317-329.
7. **Anil Kumar** and Santwana Mukhopadhyay, “Investigation of Thermoelastic Behavior on a Functionally Graded Spherical Shell under Heat Conduction Model with a Delay”, *Communicated, to an International Journal*, 2018, (under review).
8. **Anil Kumar**, Om Namha Shivay, Santwana Mukhopadhyay, “Infinite Speed Behavior of Two-Temperature Green-Lindsay Thermoelasticity Theory under Temperature Dependent Thermal Conductivity”, *Communicated to an International Journal*, 2018 (under review).

## WORKSHOPS ATTENDED:

1. *Certificate of Participation “Author Workshop”* jointly organized by Springer and IIT BHU in the Department of Physics, **IIT (BHU)**, Varanasi, 10<sup>th</sup> February, 2014.
2. *National Workshop on Mathematical Modeling and Computer Simulation*, Organized by TL CELL **IIT (BHU)**, Varanasi, March 20-21, 2015.
3. *7 Days National Workshop on “Research Methods and Statistical Measures in Behavioural Sciences”* organized by Department of Physical Education and Yoga, mahatma Gandhi Kashi Vidyapeeth, Varanasi and Poddar Foundation, Varanasi, Associated with- Pranaam Foundation, Mumbai, 8<sup>th</sup> – 14<sup>th</sup> February, 2017.