

## **LIST OF RESEARCH PAPERS PUBLISHED/COMMUNICATED IN REFREED JOURNALS**

The subject matter of this thesis is based on the following research papers co-authored with supervisors published/ under publication/communicated in various reputed journals:

1. "STUDY OF THERMAL EFFECT ON VIBRATION OF VISCO-ELASTIC RECTANGULAR PLATE OF LINEARLY VARYING THICKNESS UNDER THERMAL CONDITION", *International Journal of Science, Environment and Technology*, Vol. 4, No. 4, pp. 1073-1079, August 2015.
2. "A STUDY ON FREE VIBRATION OF VISCO-ELASTIC TAPERED PLATE WITH CLAMPED ENDS", *Romanian Journal of Acoustics & Vibration*, Vol. 12, No. 1, pp. 43-48, June 2015.
3. "A STUDY ON FREE VIBRATION OF NON-HOMOGENEOUS RECTANGULAR PLATE UNDER THERMAL CONDITION", *International Journal of Applied Engineering Research*, Vol. 9, No. 7, pp. 853-859, 2014.
4. "THERMAL EFFECT ON VIBRATION OF TAPERED RECTANGULAR PLATE", *Journal of Structures, Hindawi*, Vol. 2014, Article ID 642926, 6 pages.
5. "AN ANALYTICAL APPROACH ON THERMALLY INDUCED VIBRATIONS OF NON-HOMOGENEOUS TAPERED PLATE", *Journal of Mathematics, Hindawi*, Vol. 2013, Article ID 721868, 6 pages.
6. "STUDY OF MECHANICAL VIBRATION OF RECTANGULAR TAPERED PLATE UNDER BI-DIMENSIONAL TEMPERATURE VARIATION" has been accepted for publication in "*International Journal of Applied Science - Research and Review*".
7. "EFFECT OF BI-DIRECTIONAL TEMPERATURE VARIATION ON VIBRATION OF RECTANGULAR PLATE WITH BI-PARABOLIC THICKNESS VARIATION" communicated and under review in "*Journal of Low Frequency Noise, Vibration and Active Control (JLFNVAC)*".

## LIST OF RESEARCH PAPERS PRESENTED IN CONFERENCES

1. **“STUDY ON THERMALLY INDUCED VIBRATION OF RECTANGULAR TAPERED PLATE”** presented in *“National Seminar on Global Advances in Mathematics”* at Maharaja Agrasen Mahavidyalaya, Jagadhari on November 20, 2015.
2. **“A STUDY ON FREE VIBRATION OF RECTANGULAR TAPERED PLATE UNDER NON-UNIFORM THERMAL CONDITION”** presented in *“International Conference on Emerging Trends in Basic and Applied Sciences”* at Maharaja Agrasen University, Baddi during May 1 - 2, 2015.
3. **“STUDY OF THERMALLY INDUCED VIBRATIONS OF VISCO-ELASTIC RECTANGULAR TAPERED PLATE”** presented in *“National conference on Innovative Trends in Mathematical Sciences”* at Maharishi Markandeshwer University, Mullana on March 30, 2015.
4. **“A STUDY ON FREE VIBRATIONS OF NON-HOMOGENEOUS RECTANGULAR PLATE UNDER THERMAL CONDITION”** presented in 4<sup>th</sup> International Conference *“Advances in Mechanical, Material, Manufacturing, Automobile, Aeronautical Engineering and Applied Physics (AMAEAP-2014)”* organized by Krishi Sanskriti at Jawahar Lal University, New Delhi during June 7 - 8, 2014.
5. **“THERMALLY INDUCED VIBRATIONS OF NON-HOMOGENEOUS RECTANGULAR TAPERED PLATE”** presented in *“International Conference on Emerging Trends and Developments in Science, Management and Technology (ICETDSMT)”* at Raj Kumar Goel Institute of Technology, Ghaziabad during March 11 - 12, 2013.