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Associate Professor

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Areas of Interest : Elasticity, Theroy of Vibrations, Numerical Analysis,

Date of Birth : July 6th 1954

M.Sc. (App. Maths.) : 1975 University of Roorkee, Roorkee

Ph.D : On Vibration of Non-uniform plates, 1980

Joined the faculty in maths Deptt. UOR, as Lecturer in 1981

Guided : Two Ph.D Thesis, Seven M.Phil, Disertation and two M.Sc. Project , on a teaching Assisgnment in 1989/90 at University of Technology, BAGHDAD, IRAQ. Life membership of Indian Society of Industrial and Applied Mathematics (ISIAM) Published 22 Research papers in the journals of National and International repute in Vibration Problems of Non-Uniform plates of composite materials.

1. U.S.Gupta, S.K.Jain and R.Lal, "Axisymmetic Vibrations of Circular Sandwich Plates with Honeycomp Core of Linearly Varying Thickness', Proc. Int. Conf. On "Vibration Problems of Mathematical Elasticity and Physics" held at Jalpaiguri, Nov.407, 1993.
2. U.S.Gupta, R.L.al and R.Sagar, 'effect of an Elastic Foundation on Axismmetric Vibration of polar Orthtropic Mindlin Circular Plates', Indian Jl. Pure appl. Math., Vol.25, No.12, pp 1317-1326 (1994).
3. R.Lal, U.S.Gupta and Reena, 'transverse Vibration of Non-uniform Rectangular Orthotropic Plates On An Elastic Foundation' Conf. On "Mathematics and its Applications in Engineering and Industry", held at UOR, Roorkee, Dec. 16-18.
4. R.Lal, U.S.Gupta and S.Rastogi, 'Chebyshev Polynomials in the study of Vibration of Non-uniform Rectangular Plates', Indian Jl. Pure appl. Math., Vol.27, No.10, pp. 1017-1028 (1996).
5. R.Lal, U.S.Gupta and Reena, 'Quintic Spliness in the Study of Transverse Vibrations of Non-uniform Orthotropic Rectangular Plates', Jl. SOUND AND VIBRATION, U.K., Vol.207, No.1, pp 1-13 (1997).
6. R.Lal, U.S.Gupta and C,Goel, 'Chebyshev Polynomials in the Study of Transverse Vibrations of Non-uniform Rectangular Orthotropic Plates', in shok and Vibration Digest, U.S.A., 2000.

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