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Selected Publications:

- Achchhe Lal, B. N. Singh, and Rakesh Kumar ; "Second Order Statistics of Buckling of Laminated Composite Plate Resting on Elastic Foundation with Uncertain Material Properties" ; 50th Congress of ISTAM ; Dec. 15-17 ; (CD-ROM), (Published). ; IIT Kharagpur ; 2005
- Achchhe Lal, B. N. Singh and Rakesh Kumar ; "Second Order Statistics of Buckling of Laminated Composite Plate Supported on Elastic Foundation with Uncertain Foundation Stiffness Parameters" ; Computational Mechanics and Simulation ; Dec 8-10, 2006 ; (CD-ROM): (Published); (Paper presented) ; IIT Guwahati ; 2006
- Achchhe Lal, B. N. Singh and Rakesh Kumar ; "Natural frequency of laminated composite plate resting on an elastic foundation with uncertain system properties" ; Structural Engineering and Mechanics, An International Journal ; 27(2) ; 199-222 ; Techno Press ; 2007
- Singh, B. N., Lal, A., Kumar, Rakesh ; "Nonlinear stochastic static response of laminated composite plate on two-parameter Pasternak foundation" ; Journal of Engineering Structures ; 30 (4) ; 1101-1112 ; Elsevier ; 2008
- Achchhe Lal, B. N. Singh and Rakesh Kumar ; "Initial buckling of laminated composite plates resting on elastic foundation with uncertain system properties" ; International Journal of Structural Stability and Dynamics ; 8 (1) ; 1-28 ; World Scientific Publishing Company ; 2008
- Lal A., Singh, B. N and Rakesh Kumar ; "Nonlinear free vibration of laminated composite plates on elastic foundation with random system properties" ; International Journal of Mechanical Sciences ; 50 (7) ; 1203-12 ; Elsevier Publication ; 2008
- Lal, A., Singh, B. N. and Kumar, R.: Effects of random system properties on the thermal buckling analysis of laminated composite plates. Computers and Structures, Vol.87, pp.1119-1128, 2009
- Lal, A. and Singh, B. N.: Stochastic free vibration of laminated composite plates in thermal environments, Journal of Thermoplastic Composite Materials, Vol.23, pp. 57-77, 2010

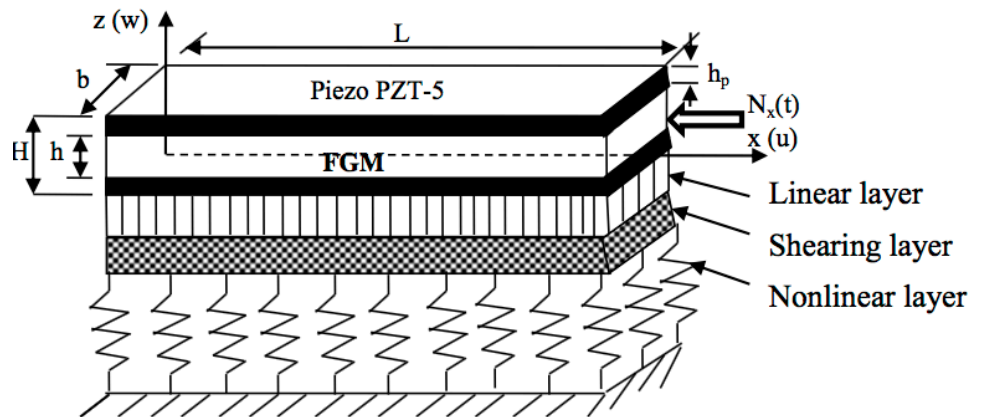


Fig. 1 Geometry of a piezoelectric FGM beam supported by elastic foundation

From: Niranjan L. Shegokar and Achchhe Lal, "Stochastic dynamic instability response of piezoelectric functionally graded beams supported by elastic foundation", Advances in Aircraft and Spacecraft Science, Vol. 3, No. 4, pp 471-502, 2016

Achchhe Lal, B. N. Singh, H. S. Patil and Rajesh Kumar ; "Effect of uncertain foundation parameters on thermal buckling of laminated composite plates under non-uniform temperature distribution" ; *Int. J. Earth Science and Engineering* ; 03(02) ; 10-18 ; ACSGE ; 2010

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Lal, A. Singh, B.N and Kale, S.: Stochastic post buckling analysis of laminated composite cylindrical shell panel subjected to hygrothermo-mechanical loading, *Computers Structures*, Vol. 93, pp. 1187-1200, 2011

K. R. Jagtap, Achchhe Lal and B.N. Singh ; "Stochastic nonlinear free vibration analysis of elastically supported functionally graded materials plate with system randomness in thermal environment" ; *Composite Structures* ; 93(12) ; 3185-3199 ; Elsevier ; 2011

Achchhe Lal, B.N. Singh and Soham Anand ; "Nonlinear bending response of laminated composite spherical shell panel with system randomness subjected to hygrothermo-mechanical loading" ; *Int J. Mechanical Sciences* ; 53(10); ; 855-866 ; Elsevier ; 2011

N. L. Shegokar, K. R. Jagtap and Achchhe Lal ; "Stochastic Nonlinear Bending Response of FGM Cylindrical Shell with Random Material Properties" ; *The International Simulation Conference of India (ISCI – 2012)* ; Oral presentation ; IIT Mumbai ; Feb 2 - 4, 2012

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Kumar, R., Patil, H., and Lal, A. ; "Nonlinear Flexural Response of Laminated Composite Plates on Nonlinear Elastic Foundation with Uncertain System Properties under Lateral Pressure and Hygrothermal Loading: Micromechanical Model" ; *Journal of Aerospace Engineering* ; doi: 10.1061/(ASCE)AS.1943-5525.0000219 ; xx-xxx ; ASCE ; 2012

Kumar, R., Patil, H., and Lal, A. ; "Hygrothermoelastic Buckling Response of Laminated Composite Plates with Random System Properties: Macro and Micro Mechanical Model" ; *Journal of Aerospace Engineering* ; doi: 10.1061/(ASCE)AS.1943-5525.0000241 ; xx-xxx ; ASCE ; 2012

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Niranjan L. Shegokar and Achchhe Lal, "Stochastic dynamic instability response of piezoelectric functionally graded beams supported by elastic foundation", *Advances in Aircraft and Spacecraft Science*, Vol. 3, No. 4, pp 471-502, 2016