

**LIST OF PUBLICATIONS of Prof. Dr. Paritosh Biswas, Former Principal, A.C. College of Commerce, Jalpaiguri. ((  
Out of more than 100 Papers published so far, the following is a Short List of Publications in different  
Journals/Conference Proceedings.**

1. Biswas, P., 1980, *Some Cases of Buckling of Sandwich Plates*, Journal of Aeronautical Society of India, Vol.32, pp.125-127.
2. Biswas, P., 1980, *Buckling of Arbitrary Shaped Sandwich Plates*, North Bengal Univ. Review (Sci. & Techno.), Vol.1(2), pp.117-120.
3. Biswas, P., March, 1981, *Thermal deflections of thick elastic triangular plate resting on elastic foundation*, Indian J. Pure and Appl. Math, Vol.12(3), pp.400-404, .
4. Biswas, P., 1979, *Large Deflections of Heated Traingular Plates*, Proceedings of 1<sup>st</sup> International Conference on Numerical Methods in Thermal Problems, Swansea (U.K.), Vol.1, pp.672-679.
5. Biswas, P. and Kapoor, P., 1984, *Nonlinear Free Vibrations of Orthotropic Circular Plates At Elevated Temperature*, J. Indian Inst. Sci., Vol.65(B), pp.87-93.
6. Biswas, P., 1981c, *Nonlinear Vibrations of Orthotropic Rectangular Plates Under in-plane Forces*, Journal of Aeronautical Society of India, Vol.33(3-4), pp.103-105.
7. Biswas, P., 1983b, *Nonlinear Vibration of a Non-isotropic Trapezoidal Plate*, Indian Journal of Pure and Applied Mathematics, Vol.14(2), pp.265-269.
8. Biswas, P., 1975, *Large Deflection of a Heated Elastic Plates Under Uniform Load*, Revue Roumaine Des Sciences Techniques, Mecanique Appliquee, Tome 20(4), p.585.
9. Biswas, P., 1976a, *Large Deflection of a Heated Elliptic Plate Under Stationary Temperature*, Defence Science Journal, Vol.26(1), pp.41-46.
10. Biswas, P., 1976b, , *Large Deflection of a Heated Semicircular Plate Under Stationary Temperature Distribution*, Proceedings of the Indian Academy of Sciences, Vol.83, Sec.A, No.5, pp.167-174.
11. Biswas, P., 1976c, *Large Deflection of a Heated Equilateral Triangular Plates*, Indian Journal of Pure and Applied Mathematics, Vol.7, pp.257-264.
12. Biswas, P., 1978a, *Large Deflection of a Heated Orthotropic Plates*, , Indian Journal of Pure and Applied Maths., Vol.9(10), pp.1027-1032.
13. Biswas, P., 1978b, *Large Deflection of a Heated Cylindrical Shell*, International Journal of Mechanical Science, Vol.20, pp.17-20.
14. Biswas, P., 1980, *Large Deflection of Heated Orthotropic Cylindrical Shallow Shell*, Defence Science Journal, Vol.30(2), pp.87-92.
15. Biswas, P., 1981a, *Large Thermal Deflections of Elastic Plates by Conformal Transformations*, Proceedings of 2<sup>nd</sup> International Conference on Numerical Methods in Thermal Problems, Venice (Italy), Vol.11, pp.462-472.
16. Biswas, P., 1981b, *Nonlinear Analysis of Heated Orthotropic Plates*, Indian Journal of Pure and Applied Maths., Vol.12(11), pp.1380-1389.
17. Biswas, P. and Kapoor, P., 1984a, *Nonlinear Free Vibrations and Thermal Buckling of Circular plates at Elevated Temperature*, Indian Journal of Pure and Applied Maths., Vol.15(7), pp.809-812.
18. Biswas, P. and Kapoor, P., 1984b, *Nonlinear Free Vibrations of Orthotropic Circular Plates at Elevated Temperature*, Journal of the Indian Institute of Science, Bangalore, Vol.65(B), pp.87-93.
19. Biswas, P. and Kapoor, P., 1984c, *Nonlinear Free Vibrations of Triangular Plates at Elevated Temperature*, Journal of the Indian Institute of Science, Bangalore, Vol.65(B), pp.29-37.
20. Biswas, P. and Kapoor, P., 1985, *Nonlinear Free Vibrations and Thermal Buckling of Elastic Plates at Elevated Temperature*, Journal of the Aeronautical Society of India, Vol.37(2), pp.157-160.
21. Biswas, P. and Kapoor, P., 1986b, *Nonlinear Free Vibrations and Thermal Buckling of Polygonal Plates at Elevated Temperature by Conformation Transformation*, Journal of Current Science, Vol.55(5), pp.225-227. 22. Biswas, P. and

Kapoor,P.,1986c, *Nonlinear Vibrations of Parabolic Plates at Elevated Temperature*, Journal of Current Science, Vol.55(B),pp.399-400.

23.Mandal,U.K. and Biswas,P, 2007, *Nonlinear Vibrations of Axisymmetric Thin Circular Elastic Plates Under Thermal Loading*, Journal of Mechanics of Continua and Mathematical Sciences, Vol.2(1),pp.59-70

24.Biswas,P.,2001,*Analytical and Computational Approach on Some Non-linear Thermo-elastic Plate and Shell Problems*, Proceedings of the 5<sup>th</sup> ICOVP ,Moscow (IMASH),October 8-10, pp.15-21.

25.Biswas,P.,1983, *Non-linear Vibrations of Heated Elastic Plates*, Indian Journal of Pure and Applied Maths. Vol.14,pp.119-126.

26.Karmakar,Bapi,Biswas,P. and P.Kapoor, 2-4 December,2007 *Nonlinear Deformation Analysis Of Sandwich Plates and Shells Under Mechanical Loading* Proc.UGC-Sponsored National Seminar on Numerical and Computational Techniques in Mathematics and Its Applications,Siliguri College,Siliguri,West Bengal.

27. Biswas,P and Mandal, U.K., Nonlinear Thermal Vibrations of Elastic Circular Plates Under Linear and Parabolic Temperature Distribution., Published in the Journal'North Bengal University Review(Science & Technology), Vol. 8, No.1, pp.31-39, 1997.

28. Biswas,P. and Mandal, U.K., Nonlinear Vibrations of Elastic Shallow Spherical Shells Under Linear and Parabolic Temperature Distribution, Journal of Applied Mech.(ASME), Vol.66, No.3, pp. 814-815, 1999.

29. Biswas,P. and Mandal, U.K., Nonlinear Vibrations of Elastic Thin Shallow Spherical Shells of Variable Thickness, Proc. Of the National Conference on Applicable Mathematics in Wave Mechanics and Vibrations, {WMVC-2003}, A.c.College of Commerce,Jalpaiguri, pp. 22-27, 2001.

30.Biswas,P. and Mandal, U.K., Nonlinear Vibrations of Non-homogeneous Elastic Shells Under Severe Thermal Loading, Proc. 4<sup>th</sup>. ICOVP, Jadavpur University,Calcutta, Vol. A, PP. 30-33, 1999.

Current Publications: Four Chapters (i) Plates on Elastic foundation , (ii) Plates on elastic Foundation- Orthotropic Plates, (iii) Shells on Elastic Foundation and (iv) Laminated Plates on Elastic Foundation have been included in the "Encyclopaedia of Thermal Stresses" & published by Springer in October, 2013.

===== Book Publication-  
"Some Classified Problems of Plates and Shells" Co-Edited by Dr.B.Banerjee, Dr.R.Kahali and Dr.P.Biswas, Published by the Von Karman Society, 2010, Jalpaiguri(India).

Most Recent Paper- Thermal Stresses of Shallow Skew Panel , Submitted for possible publication in the JOURNAL OF THE INDIAN INSTITUTE OF SCIENCE , Bangalore(INDIA)

