Professor M. Shariyat

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Faculty of Mechanical Engineering
Khaje-Nassir Toosi University of Technology, Tehran, Iran

Education:

B.S. : Mech Eng., Tehran Polytechnic University of Technology, Iran, 1983-1987.
M.S. : Mech Eng., Tehran Polytechnic University of Technology, Iran, 1987-1989
Ph.D.: Mech Eng., Tehran Polytechnic University of Technology, Iran, 1994-1998

University Teaching:

K.N. Toosi University of Technology, Tehran,Iran, 2003-present.
Sharif University of Technology, Tehran, Iran, 2000-2005.

Iranian University of Science and Technology, Tehran, Iran, 2002-2003.
Tehran Polytechnic University of Technology, Tehran, Iran, 1995-1998.
Azad University (Central Tehran Branch), Tehran, Iran 1993-2000.
Naval Engineering University, Noshahr, Iran, 1989-1993.

University Administrative Activities:
Deputy Dean of Faculty of Engineering, Azad University (Central Tehran Branch), 1997-1998.
Director of Educational Planing of K.N. Toosi University, 2010-2011 (2 years).
Head of the Vehicle Engineering Department, K.N. Toosi University of Technology, 2011-present.

Editorial Boards of Journals:
ISME Journal.
Journal of Solid Mechanics.
Asian Journal of Automotive Engineering and Technology (AJAET)

Fellowship of The Academic Research Center:
Centre of Excellence for Research in Advanced Materials and Structures, Faculty of Mechanical Engineering, K.N. Toosi University of Technology.

Specific Topics of Interest:
Bending, Vibration, and Buckling Analyses of Beams, Plates, and Shells.
Behavior of Composite, FGM, Piezoelectric, Magnetostrictive, Viscoelastic, and Shape Memory Alloys.
Coupled Thermoelasticity.
Fatigue Life Assessment Under Random Non-Proportional Loading Conditions.
FEM and XFEM Analyses.
Impact Mechanics and Wave Propagation.
Non-linear Mechanics.
Modern Theories of Plates and Shells.
Random Vibration.
Thermoelastic, Plastic and Creep Analyses.
Nano and Bio Nano Technology.
Vehicle Body Design and Analysis.
Vehicle Dynamics and Chassis Systems.
NVH Analysis.
CAD-CAM & CAE.

Books:
Shariyat M. Automotive Body: Design and Analysis, KNT University Press, 2006.

ISI Journal Papers (Scopus h index=13):

1- Eslami MR, Shariyat M. Third order finite element analysis of shell of revolution. International Journal of Engineering Analysis and Design, 1995; 10.
2- Eslami MR, Shariyat M. A technique to distinguish the primary and secondary stresses. Transactions of the ASME, Journal of Pressure Vessel Technology 1995; 117: 197-203.

3- Shariyat M, Eslami MR. Isoparametric finite-element thermoelastoplastic creep analysis of shells of revolution. International Journal of Pressure Vessels and Piping 1996; 68(3): 249-259.

4- Eslami MR, Shariyat M. Elastic, plastic and creep buckling of imperfect cylinders under mechanical and thermal loading. Transactions of the ASME, Journal of Pressure Vessel Technology 1997: 119: 27-36.

5- Eslami MR, Shariyat M, Shakeri M. Layerwise theory for dynamic buckling and postbuckling of laminated composite cylindrical shells. AIAA Journal 1998; 36(10): 1874-1882.

6- Eslami MR, Shariyat M. A higher order theory for dynamic buckling and postbuckling analysis of laminated cylindrical shells. Transactions of the ASME, Journal of Pressure Vessel Technology 1999; 121(1): 94-102.

7- Shariyat M, Eslami MR. Dynamic buckling and postbuckling of imperfect orthotropic cylindrical shells under mechanical and thermal loads, based on the three dimensional theory of elasticity. Transactions of the ASME, Journal of Applied Mechanics 1999;66:476-484.

8- Shariyat M, Eslami MR. Closure to Discussion on Paper: Dynamic Buckling and Postbuckling of Imperfect Orthotropic Cylindrical Shells Under Mechanical and Thermal Loads Based on The Three Dimensional Theory of Elasticity. Transactions of the ASME, Journal of Applied Mechanics 1999; 66: 21.

9- Shariyat M, Eslami MR. On thermal dynamic buckling analysis of imperfect laminated cylindrical shells. ZAMM 2000; 80(3): 171-182.

10- Shariyat M. Thermal buckling analysis of rectangular composite plates with temperature-dependent properties based on a layerwise theory. Thin-Walled Structures 2007; 45(4): 439-452.

11- Shariyat M. A fatigue model developed by modification of Gough's theory, for random non-proportional loading conditions and three-dimensional stress fields. International Journal of Fatigue 2008; 30: 1248-1258.

12- Shariyat M. Dynamic thermal buckling of suddenly heated temperature-dependent FGM cylindrical shells, under combined axial compression and external pressure. International Journal of Solids and Structures 2008; 45: 2598-2612.

13- Shariyat M. Dynamic buckling of suddenly loaded imperfect hybrid FGM cylindrical shells with temperature-dependent material properties under thermo-electro-mechanical loads. International Journal of Mechanical Sciences 2008; 50: 1561-1571.

14- Shariyat M. Dynamic buckling of imperfect laminated plates with piezoelectric sensors and actuators subjected to thermo-electro-mechanical loadings, considering the temperature-dependency of the material properties. Composite Structures 2009; 88: 228-239.

15- Shariyat M. Vibration and dynamic buckling control of imperfect hybrid FGM plates with temperature-dependent material properties subjected to thermo-electro-mechanical loading conditions. Composite Structures 2009; 88: 240-252.

16- Shariyat M. A nonlinear Hermitian transfinite element method for transient behavior analysis of hollow functionally graded cylinders with temperature-dependent materials under thermo-mechanical loads. International Journal of Pressures Vessels and Piping 2009; 86: 280-289.

17- Shariyat M. Two new multiaxial HCF criteria based on virtual stress amplitude and virtual mean stress concepts, for complicated geometries and random non-proportional loading conditions. Trans. ASME, Engineering Materials and Technology 2009; 131(3): 031014(1-13).

18- Shariyat M. Three energy-based multiaxial HCF criteria for fatigue life determination in components under random non-proportional stress fields. Fatigue and Fracture of Engineering Materials and Structures 2009; 32: 785-808.

19- Shariyat M, Djamshidi P. Minimizing the engine-induced harshness based on the DOE method and sensitivity analysis of the full vehicle NVH model. International Journal of Automotive Technology 2009; 10(6): 687-696.

20- Shariyat M. Non-linear dynamic thermo-mechanical buckling analysis of the imperfect sandwich plates based on a generalized three-dimensional high-order global-local plate theory. Composite Structures 2010; 92: 72-85.

21- Shariyat M. A generalized high-order global-local plate theory for nonlinear bending and buckling analyses of imperfect sandwich plates subjected to thermo-mechanical loads. Composite Structures 2010; 92: 130-143.

22- Shariyat M, Lavasani SMH, Khaghani M. Nonlinear transient thermal stress and elastic wave propagation analyses of thick temperature-dependent FGM cylinders, using a second-order point-collocation method. Applied Mathematical Modelling 2010; 34: 898-918.

23- Shariyat M. A generalized global-local high-order theory for bending and vibration analyses of sandwich plates subjected to thermo-mechanical loads. International Journal of Mechanical Sciences 2010; 52: 495-514.

24- Shariyat M, Khaghani M, Lavasani SMH. Nonlinear thermoelasticity, vibration, and stress wave propagation analyses of thick FGM cylinders with temperature-dependent material properties. European Journal of Mechanics- A/Solids 2010; 29: 378-391.

25- Shariyat M. New multiaxial HCF criteria based on instantaneous fatigue damage tracing in components with complicated geometries and random non-proportional loading conditions. International Journal of Damage Mechanics 2010; 19: 659-690.

26- Azadi M, Shariyat M. Nonlinear transient transfinite element thermal analysis of thick-walled FGM cylinders with temperature-dependent material properties. Meccanica 2010; 45(3): 305-318.

27-Shariyat M. A rapidly convergent nonlinear transfinite element procedure for transient thermoelastic analysis of temperature-dependent functionally graded cylinders. Journal of Solid Mechanics 2009; 1(4):313-327.

28-Alipour MM, Shariyat M, Shaban M. A semi-analytical solution for free vibration and modal stress analyses of circular plates resting on two-parameter elastic foundations. Journal of Solid Mechanics 2010; 2(1): 63-78.

29- Shariyat M. Non-linear dynamic thermo-mechanical buckling analysis of the imperfect laminated and sandwich cylindrical shells based on a global-local theory inherently suitable for non-linear analyses. International Journal of Non-Linear Mechanics 2011; 46(1): 253-271.

30-Lezgy-Nazargah M, Beheshti-Aval SB, Shariyat M. A refined mixed global-local finite element model for bending analysis of multi-layered rectangular composite beams with small widths. Thin-Walled Structures 2011; 49: 351-362.

31- Alipour MM, Shariyat M, Shaban M. A semi-analytical solution for free vibration of variable thickness two-directional-functionally graded plates on elastic foundations . International Journal of Mechanics and Materials in Design 2010; 6(4): 293-304.

32-Lezgy-Nazargah M, Shariyat M, Beheshti-Aval SB. A refined high-order global-local theory for finite element bending and vibration analyses of the laminated composite beams. Acta Mechanica 2011; 217: 219-242.

33- Shariyat M. A double-superposition global-local theory for vibration and dynamic buckling analyses of viscoelastic composite/sandwich plates: a complex modulus approach. Archive of Applied Mechanics 2011; 81: 1253-1268.

34- Shariyat M, Alipour MM. Differential transform vibration and modal stress analyses of circular plates made of two-directional functionally graded materials resting on elastic foundations. Archive of Applied Mechanics 2011; 81: 1289-1306.

35- Shariyat M, Nikkhah M, Kazemi R. Exact and numerical elastodynamic solutions for thick-walled functionally graded cylinders subjected to pressure shocks. International Journal of Pressure Vessels and Piping 2011; 88: 75-87.

36- Shariyat M. A nonlinear double-superposition global-local theory for dynamic buckling of imperfect viscoelastic composite/sandwich plates: A hierarchical constitutive model. Composite Structures 2011; 93: 1890-1899.

37- Shariyat M. An accurate double superposition global-local theory for vibration and bending analyses of cylindrical composite and sandwich shells subjected to thermomechanical loads. Proceedings of the Institution of Mechanical Engineers, Part C:Journal of Mechanical Engineering Science, 2011; 225: 1816-1832.

38- Shariyat M. Nonlinear thermomechanical dynamic buckling analysis of imperfect viscoelastic composite/sandwich shells by a double-superposition global-local theory and various constitutive models. Composite Structures 2011; 93: 2833-2843.

39- Alipour MM, Shariyat M. Semi-analytical buckling analysis of heterogeneous variable thickness viscoelastic circular plates on elastic foundations. Mechanics Research Communications 2011; 38: 594-601.

40 Shariyat M. A general nonlinear global-local theory for bending and buckling analyses of imperfect cylindrical laminated and sandwich shells under thermomechanical loads. Meccanica 2012; 47: 301-319.

41- Alipour MM, Shariyat M. Stress analysis of two-directional FGM moderately thick constrained circular plates with non-uniform load and substrate stiffness distributions. Journal of Solid Mechanics 2010; 2(4): 316-331.

42- Alipour MM, Shariyat M. An elasticity-equilibrium-based zigzag theory for axisymmetric bending and stress analysis of the functionally graded circular sandwich plates, using a Maclaurin-type series solution. European Journal of Mechanics - A/Solids 2012; 34: 78-101.

43- Ashrafi H, Mahzoon M, Shariyat M. A New Mathematical Modeling of Contact Treatment between an Orthotropic Material and a Rigid Indenter, Iranian Journal of Materials Science and Engineering 2012; 9(1): 29-41.

44- Shariyat M, Ghajar R, Alipour MM. An analytical solution for a low velocity impact between a rigid sphere and a transversely isotropic strain-hardening plate supported by a rigid substrate. Journal of Engineering Mathematics 2012; 75: 107-125.

45-Shariyat M, Jazayeri SA, Fathi Sola J. Theoretical and experemental evaluation of performance od CNG engine and pistons fatigue lives employing modified fatigue criteria. Strength of Materials 2012; 44(4): 438-455.

46- Alipour MM, Shariyat M. A power series solution for free vibration of variable thickness Mindlin circular plates with two-directional material heterogeneity and elastic foundations. Journal of Solid Mechanics 2011; 3: 183-197.

47- Boorboor Ajdari MA, Jalili S, Jafari M, Zamani J, Shariyat M. The analytical solution of the buckling of composite truncated conical shells under combined external pressure and axial compression?. Journal of Mechanical Science and Technology 2012; 26: 2783-2791.

48- Shariyat M, Jafari R. Nonlinear low-velocity impact response analysis of a radially preloaded two-directional-functionally graded circular plate: A refined contact stiffness approach. Composites Part B 2013; 45: 981-994.

49- Shariyat M, Rajabi Ghahnavieh M. Displacement/stress level-crossing stochastic finite element-based algorithm for reliability assessment of vehicle components with loading and material uncertainties. International Journal of Automotive Technology 2012; 13(7): 1099-1111.

50- Shariyat M. Nonlinear transient stress and wave propagation analyses of the FGM thick cylinders, employing a unified generalized thermoelasticity theory. International Journal of Mechanical Sciences 2012; 65:24-37.

51- Shariyat M, Alipour MM. A power series solution for vibration and complex modal stress analyses of variable thickness viscoelastic two-directional FGM circular plates on elastic foundations. Applied Mathematical Modelling 2013; 37: 3063-3076.

52- Khalili SMR, Botshekanan Dehkordi M, Carrera E, Shariyat M. Non-linear dynamic analysis of a sandwich beam with pseudoelastic SMA hybrid composite faces based on higher order finite element theory. Composite Structures 2013; 96: 243-255.

53- Shariyat M, Alipour MM. Semi-analytical consistent zigzag-elasticity formulations with implicit layerwise shear correction factors for dynamic stress analysis of sandwich circular plates with FGM layers. Composites: Part B 2013; 49: 43-64.

54- Ashrafi H, Asemi K, Shariyat M, Salehi M. Two-dimensional modeling of heterogeneous structures using graded finite element and boundary element methods. Meccanica 2013; 48: 663-680.

55- Shariyat M, Farzan F. Nonlinear eccentric low-velocity impact analysis of a highly prestressed FGM rectangular plate, using a refined contact law. Archive of Applied Mechanics 2013; 83: 623-641.

56- Shariyat M, Khodabandeh T. Comparison of the stress distributions of liquid gas road tankers with various configurations during braking, cornering, and vertical bump maneuvers. International Journal of Automotive Technology 2013; 14: 301-311.

57- Shariyat M, Jafari AA, Alipour MM. Investigation of the thickness variability and material heterogeneity effects on free vibration of the viscoelastic circular plates. Acta Mechanica Solida Sinica 2013; 26: 83-98.

58- Shariyat M, Darabi E. A variational iteration solution for elastic-plastic impact of polymer/clay nanocomposite plates with or without global lateral deflection, employing an enhanced contact law. International Journal of Mechanical Sciences 2013; 67: 14-27.

59- Alipour MM, Shariyat M. Semi-Analytical Solution for Buckling Analysis of Variable Thickness Two-Directional Functionally Graded Circular Plates with Nonuniform Elastic Foundations. ASCE Journal of Engineering Mechanics 2013, DOI: 10.1061/(ASCE)EM.1943-7889.0000522.

60- Shariyat M, Mohammadjani R. Three-dimensional compatible finite element stress analysis of spinning two-directional FGM annular plates and disks with load and elastic foundation non-uniformities. Accepted in Latin American Journal of Solids and Structures.

61- Behravan Rad A, Shariyat M. A three-dimensional elasticity solution for two-directional FGM annular plates with non-uniform elastic foundations subjected to normal and shear tractions. Accepted in Acta Mechanica Solida Sinica.

62- Shariyat M, Alipour MM. A zigzag theory with local shear correction factors for semi-analytical bending modal analysis of functionally graded viscoelastic circular sandwich plates. Accepted in Journal of Solid Mechanics.

63- Asemi K, Ashrafi H, Salehi M, Shariyat M. Three-Dimensional Static and Dynamic Analysis of Functionally Graded Elliptical Plates, Employing Graded Elements. Accepted in Acta Mechanica.

64- Ashrafi H, Shariyat M. A Numerical Lagrangian Approach for Analysis of Contact Viscoelastic Problems. Accepted in Computational Mathematics and Modeling.

65- Shariyat M, Moradi M, Samaee S. Nonlinear finite element eccentric low-velocity impact analysis of rectangular laminated composite plates subjected to in-phase/anti-phase biaxial preloads. Accepted in Journal of Solid Mechanics.

66- Shariyat M, Jafari R. A micromechanical approach for semi-analytical low-velocity impact analysis of a bidirectional functionally graded circular plate resting on an elastic foundation. Revised paper is submitted to Meccanica.

67- Ashrafi H, Shariyat M, Asemi K. A Time-Domain Boundary Element Method for Quasistatic Thermoviscoelastic Behavior Modeling of the Functionally Graded Materials. Rvised paper is submitted to International Journal of Mechanics and Materials in Design.

68- Asemi K, Shariyat M, Salehi M, Ashrafi H. A full compatible three-dimensional elasticity element for buckling analysis of FGM rectangular plates subjected to various combinations of biaxial normal and shear loads. Revised paper is submitted to Finite Elements in Analysis and Design.

69- Ashrafi H, Shariyat, M. A Boundary Element Formulation for Nonhomogeneous Functionally Graded Viscoelastic Structures. Revised paper is submitted to Applied Mathematics and Computation.

70- Shariyat M, Fathi Sola J, Jazayeri SA. Experimentally Validated Combustion and Piston Fatigue Life Evaluation Procedures for The Bi-Fuel Engines, Using an Integral-Type Fatigue Criterion. Submitted to Internataional Journal of Automotive Technology.

71- Shariyat M, Mohammadjani R. Three dimensional stress field analysis of a rotating two-directional functionally graded annular thick plate with non-uniform loads and non-uniform elastic foundation. Submitted to European Journal of Mechanics - A/Solids.

72- Shariyat M, Asgari D. Nonlinear thermal buckling and postbuckling analysis of imperfect variable thickness cylindrical shells with temperature-dependent two-directional material heterogeneity. Submitted to International Journal of Pressures Vessels and Piping.

73- Botshekanan Dehkordi M, Khalili SMR, Shariyat M. Modeling and dynamic analysis of pseudoelastic SMA hybrid composite beam, Submitted to Applied Mathematics and Computation.

74- Ashrafi H, Asemi K, Shariyat M, Salehi M. A Comparative Study of Functionally Graded Finite and Boundary Element Methods for Modeling the Nonhomogeneous Media, Submitted to Journal of Engineering Mathematics.

75- Alipour MM, Shariyat M. An analytical global-local Taylor transformation-based vibration solution for annular FGM sandwich plates supported by nonuniform elastic foundations. Submitted to Archives of Civil and Mechanical Engineering.

76- Shariyat M, Bandband H, Ashrafi H. A comparison between results of two finite element models for simulation of the traumatic brain injuries under impact loading, considering four hyperelastic models for the brain tissues. Submitted to Journal of Biomechanics.

77- Shariyat M, Farzan F. A micromechanics-based refined contact law for eccentric low-velocity impact of constrained FGM rectangular plates with elastic foundations. Submitted To Applied Mathematical Modelling.

Other Full Length Research Journal Papers:

1- Shariyat M, Eslami MR, Shakeri M. Elastic-Plastic Dynamic Buckling Analysis of Imperfect Cylindrical Shells. Amirkabir Journal of Science and Tech. 1999;11(42):35-46.

2- Shariyat M, Yaghootian A. Static Buckling of Circular Cylindrical Piezoelectric Shells Based on Higher Order Theorie. Sharif University Journal 2008,40:93-100.

3-Shariyat M, Askari AR. A comparison among the thermoelastic results of the classical, L-S, and G-L theories for a half space. Journal of Faculty of Engineering (Tehran University)2008;41(4):443-450.

4-Shariyat M, Askari AR. Analysis of 2-Dim Thermoelasticity Problems of Thermo elasticity Theory with Two Relaxation Times by Transfinite Elements Method. Tarbiat Modarres University Journal 2008;31:25-35.

5- Shariyat M, Yaghootian A. Bending analysis of piezoelectric cylindrical shells using a three dimentional higher order theory. Tarbiat Modarres University Journal 2008;31:13-24.

6- Shariyat M, Yaghootian A. Buckling analysis of circular cylindrical piezoelectric shells under electromechanical loads, based on a higher order theory. ISME Journal 2007;9(1):41-58.

7- Shariyat M, Azadmanesh M. Thermal buckling analysis of rectangular composite plates subjected to large deflections, based on a layerwise theory and Budiansky's criterion modification. ISME Journal 2007;9(1):25-40.

8- Shariyat M. Dynamic buckling of circular cylindrical FGM shells with initial imperfections and temperature gradient subjected to axial loading, based on a higher order theory. ISME Journal 2008;10(1):6-27.

9- Shariyat M, Aminaee I. Investigating effects of using piezoelectric layers on the free and forced vibrations of FGM plates. Sharif University Journal 2010;51(2):33-41.

10- Shariyat M, Nikkhah M. An exact elastodynamic solution for functionally graded thick-walled cylinders subjected to dynamic pressures. ISME Journal 2009; 10(1):55-76.

11- Hosseini M, Shariyat M. Torsional buckling analysis of an imperfect vehicle composite drive shaft based on a higher order theory. Journal of Mechanical Research and Application 2009;1(1):39-44.

12- Shariyat M, Asgari D. Nonlinear transient thermoelastic analysis of a thick FGM cylinder with temperature-dependent material properties using the finite element method. Amirkabir Journal of Science and Tech 2010;42(1):9-18 .

13- Shariyat M, Ganjidoust, A. Fatigue failure and damage analysis of an anti-roll bar under random fatigue tests. Journal of Solid Mechanics 2010;1(3):69-76 .

14- Shariyat M, Ganjipour A. Investigating the frontal crash of a passenger car and effects of utilizing a composite bumper. Journal of Faculty of Engineering (Tehran University) 2010; 43(4):511-518.

15- Shariyat M, Rajabi Ghahnavieh M. An Improved Finite Element-Based Model for Reliability Assessment of a Profile-Type Automotive Body Experiencing Uncertain Loading Conditions and Material Properties. SAE International Journal of Materials and Manufacturing 2011; 4(1): 957-968.

16- Shariyat M, Alipour MM. A differential transform approach for modal analysis of variable thickness two-directional FGM circular plates on elastic foundations. ISME Journal 2010; 11(2): 15-38.

17- Ashrafi H, Bahadori MR, Shariyat M. Modeling of viscoelastic solid polymers using a boundary element formulation with considering a body load. Advanced Materials Research 2012; 463-464: 499-504.

18- Ashrafi H, Bahadori MR, Shariyat M. Two-dimensional modeling of functionally graded viscoelastic materials using a boundary element approach. Advanced Materials Research 2012; 463-464: 570-574.

19- Ashrafi H, Shariyat M. A Computational Analysis of Contact Problems with Friction Based on a Modified Augmented Lagrangian Optimization Approach Applied to Nanoindentation. Mechanical Aerospace Engineering Journal 2012; 8: 1-12.

20- Ashrafi H, Shariyat M. A Mathematical Approach for Describing Time-Dependent Poisson's Ratios of Periodontal Ligaments. Journal of Biomedical Physics and Engineering 2012; 2(3): 111-118.

21- Ashrafi H, Shariyat M. Modeling of Viscoelastic Properties for Polymeric Thin Solid Layers Using a Contact Nanoindentation Approach. Iranian Journal of Surface Science and Technology, 2012; 14: 17-26.

22- Ashrafi H, Keshmiri H, Bahadori M.R., Shariyat M. An FEM Approach for Three - Dimensional Thermoviscoelastic Stress Analysis of Orthotropic Cylinders Made of Polymers. Advanced Materials Research 2013; 685: 295-299.

23- Ashrafi H, Keshmiri H, Bahadori M.R., Shariyat M. Boundary Integral Equation Analysis of an Inhomogeneous Medium Made of Functionally Graded Materials. Advanced Materials Research 2013; 685: 285-289.

24- Shariyat M, Rajabi Ghahnavieh M. Reliability analysis of beams with both random material properties and random loading conditions. Journal of Applied and Computational Sciences in Mechanics 2013; 4: .

25- Ashrafi H, Shariyat M. A Nanoindentation Identification of the Viscoelastic Constitutive Characteristics for Periodontal Ligaments. Accepted in: Journal of Biomedical Physics and Engineering.

26- Shariyat M, Rezaei Dashtabadi GR, Jafari AA. Nonlinear Lateral Deflection Analysis of an FGM Circular Plate Whose material Properties Vary in Transverse and Radial Directions. Revised paper is submitted to Mechanical Aerospace Engineering Journal.

27- Alinejad F, Shariyat M. Jafari AA. Analysis of Composite Plate Vibration Behavior Changes due to Embedding Shape Memory Fibers. Submitted to Amirkabir Journal of Science and Tech.

28- Alinejad F, Shariyat M. Jafari AA. Nonlinear FEM Bending Analysis of Shape Memory Plates under Uniform Pressure Loads. Submitted to Amirkabir Journal of Science and Tech.

29- Shariyat M, Hamisi M. Nonlinear Vibration Analysis of Multi-walled Carbon Nanotubes under External Radial Pressures, Based on Continuum Model of The van der Waals Forces. Submitted to Tarbiat Modarres University Journal.

30- Shariyat M, Samaee S, Moradi M. Nonlinear Vibration Analysis of Composite Plates with SMA Wires, Considering Instantaneous Variations of the Martensite Volume Fraction. Submitted to Journal Of Solid Mechanics In Engineering.