

	Mohammad Arefi Associate Professor

1. Academic Experiences

Ph.D. Mechanic (Applied Mechanic)

Tarbiat Modares University

Dissertation: Piezoelectric analysis of a thick-walled FGP cylinder, Supervisor: Prof. G.H. Rahimi.

Sept. 2008 to Sep. 2012

M.S.C. Mechanic (Applied Mechanic)

Tarbiat Modares University

Sept. 2006 to April 2008

B.S.C Mechanic (Applied Mechanic)

University of Kashan

Sept. 2002 to Jul 2006

2. Teaching experiences

University of Kashan

Title: Assistant Professor; Sept 2012 to October 2019

Title: Associate Professor; October 2019 to now

3. Technical Experience

Alborz pipe and fitting;

Positions: Technical Manager, Production Manager

4. Honors and awards

Top 1% highly cited researchers in 2019,2020

Selected researchers at University of Kashan, 2014, 2016, 2017 and 2019

5. Research Interests

- A: Thermo-elastic analysis of Functionally Graded Materials and Composite Structures
- B: Electro-elastic analysis of Functionally Graded Piezoelectric Materials
- C: Reinforced Composite Materials with Nano Materials
 - C: Shear Deformation Theories
- D: Wave Propagation analysis of nano structures
- E: Multi-field problem in nano-scale structures
- F: Nonlinear analysis of structures

6. Editorial Board Member and Reviewer of journals

Editor, Advance in Mechanical Engineering

Reviewer: Composites Bart B Engineering, Thin Walled Structures, International Journal of Thermal Sciences, Materials and Design,

7. Journal Papers (Selected Papers)

1. Mohammad Arefi, Ashraf M Zenkour, A simplified shear and normal deformations nonlocal theory for bending of functionally graded piezomagnetic sandwich nanobeams in magneto-thermo-electric environment, *Journal of Sandwich Structures and Materials*, 2016, Vol. 18(5) 624–651.
2. Mohammad Arefi, Ashraf M Zenkour, Vibration and bending analysis of a sandwich microbeam with two integrated piezomagnetic face-sheets, *Composite Structures*, Vol. 159, 479–490, 2017.
3. Mohammad Arefi, Ashraf M Zenkour, Thermo-electro-mechanical bending behavior of sandwich nanoplate integrated with piezoelectric face-sheets based on trigonometric plate theory, *Composite Structures*, Vol. 162, 108–122, 2017.
4. Mohammad Arefi, Ashraf M Zenkour, Effect of thermo-magneto-electro-mechanical environments on the bending results of a three-layer nanoplate based on sinusoidal shear deformation plate theory, *Journal of Sandwich Structures and Materials*, 21 (2), 639-669, 2019.
5. Mohammad Arefi, Analysis of a doubly curved piezoelectric nano shell: Nonlocal electro-elastic bending solution, *European Journal of Mechanics-A/Solids*, Vol.70, pp.226-237, 2018.
6. M Arefi, EMR Bidgoli, R Dimitri, M Baccocchi, F Tornabene, Application of sinusoidal shear deformation theory and physical

- neutral surface to analysis of functionally graded piezoelectric plate, *Composites Part B: Engineering*, Vol. 151, pp.35-50, 2018.
7. M Arefi, EMR Bidgoli, R Dimitri, F Tornabene, Free vibrations of functionally graded polymer composite nanoplates reinforced with graphene nanoplatelets, *Aerospace Science and Technology*, 81, 108-117, 2018.
 8. Arefi, M. Bidgoli, EMR. Dimitri, R. Tornabene, F. Reddy, JN. Size-Dependent Free Vibrations of FG Polymer Composite Curved Nanobeams Reinforced with Graphene Nanoplatelets Resting on Pasternak Foundations, *Applied Sciences*, 9 (8), 1580, 2019.
 9. Arefi, M. Kiani, M. Rabczuk, T. Application of nonlocal strain gradient theory to size dependent bending analysis of a sandwich porous nanoplate integrated with piezomagnetic face-sheets, *Composites Part B: Engineering*, 168 (1), 320-333, 2019.
 10. Arefi, M. Rabczuk, T. A nonlocal higher order shear deformation theory for electro-elastic analysis of a piezoelectric doubly curved nano shell, *Composites Part B: Engineering*, 168 (1), 496-510, 2019.
 11. M Arefi, M Mohammadi, T Rabczuk, Effect of Characteristics and Distribution of Porosity on Electro-Elastic Analysis of Laminated Vessels with Piezoelectric Face-Sheets based on Higher-order Modelling, *Composite Structures*, 2019, 111085.
 12. M Arefi, EMR Bidgoli, R Dimitri, M Baccocchi, F Tornabene, Nonlocal bending analysis of curved nanobeams reinforced by graphene nanoplatelets, *Composites Part B: Engineering*, 166, 1-12, 2019.
 13. M Arefi, EMR Bidgoli, T Rabczuk, Effect of various characteristics of graphene nanoplatelets on thermal buckling behavior of FGRC micro plate based on MCST, *European Journal of Mechanics-A/Solids*, 103802
 14. M Arefi, EMR Bidgoli, T Rabczuk, Thermo-mechanical buckling behavior of FG GNP reinforced micro plate based on MSGT, *Thin-Walled Structures* 2019, 142, 444-459
 15. KK Żur, M Arefi, J Kim, JN Reddy, Free vibration and buckling analyses of magneto-electro-elastic FGM nanoplates based on nonlocal modified higher-order sinusoidal shear deformation theory, *Composites Part B: Engineering*, 107601, 2020.
 16. M. Arefi, S. Firouzeh, E.M.R. Bidgoli, Ö. Civalek, Analysis of Porous Micro-plates Reinforced with FG-GNPs Based on Reddy plate Theory, *Composite Structures*, 2020, 112391
 17. M Arefi, SK Moghaddam, EMR Bidgoli, M Kiani, O Civalek, Analysis of Graphene Nanoplatelet Reinforced Cylindrical Shell

Subjected to Thermo-mechanical Loads, Composite Structures, 2020, 112924

18.M. Arefi, Electro-mechanical vibration characteristics of piezoelectric nano shells, Thin-Walled Structures 155, 106912

19.M Arefi, M Amabili, A Comprehensive Electro-Magneto-Elastic Buckling and Bending Analyses of Three-layered Doubly Curved Nanoshell, Based on Nonlocal Three-dimensional Theory, Composite Structures, 2020, 113100.

Scopus: H index: 35, Total Citations: 2713

Google Scholar: H Index: 37, I 10 Index: 80, Total Citations: 3183

Web of Science: H Index: 32, Total Citations: 2405

For full consideration of published papers and other information, please visit following addresses:

<http://www.scopus.com/authid/detail.url?authorId=35180902500>

http://scholar.google.com/citations?user=OOG_6ooAAAAJ&hl=en

https://www.researchgate.net/profile/Mohammad_Arefi4