

دکتر مهسا خرازی

دانشیار

دانشکده: مهندسی مکانیک



### سوابق تحصیلی

مقطع تحصیلی	سال اخذ مدرک	رشته و گرایش تحصیلی	دانشگاه
کارشناسی	۱۳۷۹	مهندسی هوافضا	دانشگاه صنعتی امیرکبیر
کارشناسی ارشد	۱۳۸۱	مهندسی هوافضا- سازه های هوایی	دانشگاه صنعتی امیرکبیر
دکتری	۱۳۸۷	مهندسی هوافضا- سازه های هوایی	دانشگاه صنعتی امیرکبیر

### اطلاعات استخدامی

محل خدمت	عنوان سمت	نوع استخدام	نوع همکاری	پایه
دانشگاه صنعتی سهند		(تنظیم نشده)	(تنظیم نشده)	

### سوابق اجرایی

معاون دانشکده مهندسی مکانیک 1393-1395

مدیر مرکز نوآوری و فناوری دانشگاه 1395-1397

### موضوعات تدریس تخصصی

#### Taught Courses:

#### Undergraduate:

- Strength of Materials I
- Strength of Materials II
- Mechanical Engineering Design I
- Strength of Material Lab.

- Statics and Strength of Materials

Post-graduate:

- Advanced Mechanics of Materials
- Mechanics of Composite Materials
- Continuum Mechanics
- Continuum Mechanics II
- Plasticity
- Nonlinear Analysis of Plates
- Structural Stability
- Dynamics of Structures
- Numerical Methods
- Finite Element Method
- Advanced Engineering Mathematics
- Nonlinear Finite Element Method
- Advanced Numerical Analysis

مقالات در نشریات

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1. Hamed Mahmoud Soltani , Mahsa Kharazi , Hamid Reza Ovesy, Buckling and Postbuckling Analysis of Composite Laminates with Piezoelectric layers using Layerwise Theory. *Modares Mechanical Engineering*, ۲۰۱۸.
  2. M Kharazi, Study the effect of the incompatible elements on the elastic-plastic behavior of isotropic plates and beams under axial and bending loading. *Modares Mechanical Engineering*, ۲۰۱۷.
  3. Reza Toluei ,& Mahsa Kharazi, The subloading surface model in hyperelastic-based plasticity with time integration algorithms in intermediate and current configurations, *International Journal of Non-Linear Mechanics*, 2024.
  4. Reza Toluei ,& Mahsa Kharazi, Implementation of subloading surface model for hyperelastoplasticity with nonlinear kinematic/isotropic hardening based on reference and intermediate configurations, *Applied Mathematical Modelling*, 2023.
  5. Hamed Mahmoud Soltani ,& Mahsa Kharazi, Plastic buckling and postbuckling analysis of plates using 3D incompatible and standard elements, *Iranian Journal of Science and Technology, Transactions of Mechanical Engineering*, 2020.
  6. Hamed Mahmoud Soltani ,& Mahsa Kharazi, Investigation of the incremental and deformation theories of plasticity on the elastoplastic postbuckling of plates, *Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications*, 2020.
  7. M Jafari ,& M Kharazi, Numerical simulation of cyclic behavior of a ductile metal with a coupled damage-plasticity model with several damage deactivation paths, *European Journal of Mechanics-A/Solids*, 2020.
  8. F Mohammadzadeh Honarvar et al., Multi-scale simulation of SU8 and SU8-graphene nanocomposites: Bridging atomistic to macroscale peridynamics, *Scientia Iranica*, 2019.
  9. Hossein Pashazad ,& Mahsa Kharazi, A peridynamic plastic model based on von Mises criteria with isotropic, kinematic and mixed hardenings under cyclic loading, *International Journal of Mechanical Sciences*, 2019.
  10. Reza Nasirzadeh, Bashir Behjat, Mahsa Kharazi, Finite element study on thermal buckling of functionally graded piezoelectric beams considering inverse effects, *Journal of Theoretical and Applied Mechanics*, 2018.
  11. F Mohammadzadeh Honarvar et al., Molecular dynamics simulation: The effect of graphene

- .on the mechanical properties of epoxy based photoresist: SU8,Scientia Iranica,2018
- Matin Latifi , , Mahsa Kharazi , Hamid Reza Ovesy,Nonlinear dynamic instability analysis of .12  
sandwich beams with integral viscoelastic core using different criteria,Composite  
.Structures,2018
- An Experimental and Numerical Study on Bead Stiffened Composite Panels,Thin-Walled .13  
.Structures,2018
- Reza Nasirzadeh, Bashir Behjat, Mahsa Kharazi,Investigation of boundary condition effects .14  
on the stability of FGP beams in thermal environment,Journal of Theoretical and Applied  
.Mechanics,2017
- Matin Latifi , , Mahsa Kharazi , Hamid Reza Ovesy,Effect of integral viscoelastic core on the .15  
nonlinear dynamic behaviour of composite sandwich beams with rectangular cross  
.sections,International Journal of Mechanical Sciences,2017
- Mohammad Shishesaz , Mahsa Kharazi , Parvaneh Hosseini , Mohammad Hosseini,Buckling .16  
behavior of composite plates with a pre-central circular delamination defect under in-plane  
.uniaxial compression,Journal of Computational Applied Mechanics,2017
- Nasim Chitsaz , Hamid R Ovesy , Mahsa Kharazi,Buckling and post-buckling analysis of .17  
delaminated piezo-composite material under electro-mechanical loading,Journal of Intelligent  
.Material Systems and Structures,2016
- Matin Latifi , , Mahsa Kharazi , Hamid Reza Ovesy,Nonlinear dynamic response of symmetric .18  
laminated composite beams under combined in-plane and lateral loadings using full layerwise  
.theory,Thin-Walled Structures,2016
- HR Ovesy , Maysam Naghinejad , Mahsa Kharazi,Delamination growth speed analysis in a .19  
compressed composite laminate based on first-order shear deformation theory,Journal of  
.Composite Materials,2016
- Arash Ranjbaran , Mohammad Reza Khoshravan , Mahsa Kharazi,Analysis of buckling of .20  
sandwich plates with viscoelastic core using layerwise theory,Applied Mechanics and  
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- HR Ovesy , M Asghari Mooneghi , M Kharazi,Post-buckling analysis of delaminated .21  
composite laminates with multiple through-the-width delaminations using a novel layerwise  
.theory,Thin-Walled Structures,2015
- Arash Ranjbaran , Mohammad Reza Khoshravan , Mahsa Kharazi,Buckling analysis of .22  
.sandwich plate using layerwise theory,Journal of Mechanical Science and Technology,2014
- Reza Nasirzadeh, Bashir Behjat, Mahsa Kharazi,Journal of Mechanical Science and .23  
.Technology,International Journal of Material Science Innovations,2014
- M Kharazi, HR Ovesy, M Asghari Mooneghi,Mahsa Kharazi Buckling analysis of delaminated .24  
.composite plates using a novel layerwise theory,Thin-Walled Structures,2014
- HR Ovesy, M Taghizadeh, M Kharazi,Post-buckling analysis of composite plates containing .25  
embedded delaminations with arbitrary shape by using higher order shear deformation  
.theory,Composite Structures,2012