

## Resume

<b>Faramarz Ashenai Ghasemi</b> <b>Professor</b> <b>Shahid Rajaee Teacher Training University (SRTTU),</b> <b>Mechanical Engineering Faculty,</b> <b>Solids Design Group</b> <b>Citation Indexes: WoS h-index: 20, Scopus h-index: 21, Google scholar h-index: 24</b> <b>ORCID ID: 0000-0002-4693-4373</b> <b>Scopus Author ID: 22633600300</b> <b>Researcher ID: F-5441-2012</b> <b>Google Scholar ID: 8eCmonYAAAAJ</b> <b>ISC-ID: IR-0000-RJ-FFDE0420</b>		
---	--	---

<b>Work</b> <b>Address:</b> Mechanical Engineering Faculty, Shahid Rajaee Teacher Training University, Lavizan, Tehran, 1678815811, Iran <b>Tel. &amp; Fax:</b> +98 (21) 229 700 52 <b>Emails:</b> f.a.ghasemi@sru.ac.ir, faramarz_ashenai_ghasemi@yahoo.com <b>Websites:</b> <a href="https://www.sru.ac.ir/en/faculty/school-of-mechanic/faramarz-ashna-ghsemi">https://www.sru.ac.ir/en/faculty/school-of-mechanic/faramarz-ashna-ghsemi</a> & <a href="http://en.ashena.co">http://en.ashena.co</a>		
---	--	--

<b>Academic Rank</b> <b>Professor, 2022</b> <b>Associate Professor, 2014-2022</b> <b>Assistant Professor, 2009-2014</b> <b>Lecturer, 1996-2014</b>		
--	--	--

<b>Education</b>				
<b>Institute</b>	<b>Place</b>	<b>From</b>	<b>To</b>	<b>Degree</b>
<b>Khajeh Nasir Toosi University of Technology</b>	<b>Tehran, Iran</b>	<b>Sep. 2001</b>	<b>Mar. 2008</b>	<b>Ph.D.: Solids Design</b>
<b>Thesis:</b>	<b>Dynamic response of shape memory polymer composites plate under low velocity impact</b>			
<b>Tehran Polytechnic</b>	<b>Tehran, Iran</b>	<b>Sep. 1993</b>	<b>Aug. 1996</b>	<b>M.Sc.: Manufacturing and Production</b>
<b>Thesis:</b>	<b>Analysis of effective parameters of machining in life time of carbide tools</b>			
<b>Tehran Polytechnic</b>	<b>Tehran, Iran</b>	<b>Sep. 1987</b>	<b>Aug. 1992</b>	<b>B.S.: Solids Design</b>
<b>Thesis:</b>	<b>Presenting an applied software for reducing the calculation time in different subjects of statics, strength of materials and machine design</b>			
<b>A. F. Tech. High School</b>	<b>Tehran, Iran</b>	<b>Sep. 1981</b>	<b>Jun. 1985</b>	<b>Dip.: Auto Mechanic</b>

## Research Experience

5	<b>Mechanical Behavior of Materials</b>
4	<b>Composite Materials</b>
3	<b>Impact Mechanics</b>
2	<b>Fracture Mechanics</b>
1	<b>Nanocomposites</b>

## Administrative Activities

12	<b>Director in Charge of Journal of Computational and Applied Research in Mechanical Engineering-JCARME, From 2023</b>
11	<b>Director-in-Charge of Publication Office, 2013-2020</b>
10	<b>Member of Editorial Board of Journal of Computational and Applied Research in Mechanical Engineering (JCARME), From 2014</b>
9	<b>Head of Publication Office, 2013-2020</b>
8	<b>Executive Manager of Journal of Technology of Education-JTE, 2013-2019</b>
7	<b>Science Committee Member of First National and International Conference on Conveyor Belt Systems with New Approach to Transportation of Material, 15-16 Feb. 2012</b>
6	<b>Executive Manager of Journal of Computational and Applied Research in Mechanical Engineering-JCARME, From 2010</b>
5	<b>Science Committee Member of 2<sup>nd</sup> and 3<sup>rd</sup> National Conference on Education, 2010-2011</b>
4	<b>Head of Design of Solids Group, 2010-2011</b>
3	<b>Referee of Mechanics Technical Group of 11<sup>th</sup> to 16<sup>th</sup> Khwarizmi Youth Award, 2009-2014</b>
2	<b>Head of Manufacturing and Production Group, 2008-2013</b>
1	<b>Head of Engineering Drawing Group, 2000-2001</b>

## Awards and Honors

36	<b>Top Researcher of the SRTTU, Dec. 2025</b>
35	<b>Top Researcher of the Mechanical Engineering Faculty of the SRTTU, Feb. 2025</b>
34	<b>Top Researcher of the SRTTU, Dec. 2023</b>
33	<b>Preferable Researcher of the SRTTU, Dec. 2022</b>
32	<b>Executive Manager of the Top Journal of the SRTTU, Dec. 2022</b>
31	<b>Supervisor of the University's Top Doctoral Thesis in the Field of Community and Industry Relations, Dec. 2022</b>
30	<b>First Class Research Badge, Dec. 2020</b>
29	<b>Top University Technologist, Dec. 2020</b>
28	<b>Preferable Researcher of the SRTTU, Dec. 2019</b>
27	<b>Top Publisher at the 5th Biennial Book Festival of Architecture and Urban, June 2019</b>
26	<b>Top Researcher of the SRTTU, Dec. 2017</b>
25	<b>Letter of Appreciation from Vice-President of Research and Technology of the SRTTU, Dec. 2016</b>

24	<b>Top Researcher of the Mechanical Engineering Faculty of the SRTTU, Dec. 2016</b>
23	<b>Translator of the Year Book of the SRTTU, Dec. 2016</b>
22	<b>Letter of Appreciation from Vice-President of Education and Graduate Affairs of the SRTTU, May 2016</b>
21	<b>Letter of Appreciation from President of the SRTTU, Feb. 2016</b>
20	<b>Top Researcher of the SRTTU, Dec. 2015</b>
19	<b>Translator of the Year Book of the SRTTU, Dec. 2015</b>
18	<b>Executive Manager of the Top Journal of the SRTTU, Dec. 2015</b>
17	<b>Letter of Appreciation from VP of Research and Technology of the SRTTU, Dec. 2015</b>
16	<b>Letter of Appreciation for Speech in “Timeless and Global Satire” from VP of Social and Cultural Affairs of the SRTTU, June 2015</b>
15	<b>Letter of Appreciation from Vice-President of Education and Graduate Affairs of the SRTTU, April 2015</b>
14	<b>Letter of Appreciation from President of the SRTTU, April 2015</b>
13	<b>Top Researcher of the Mechanical Engineering Faculty of the SRTTU, Dec. 2014</b>
12	<b>Letter of Appreciation from VP of Research and Technology of the SRTTU, March 2014</b>
11	<b>Top Researcher of the SRTTU, Dec. 2013</b>
10	<b>Translator of the Year Book of the SRTTU, Dec. 2013</b>
9	<b>Executive Manager of the Top Journal of the SRTTU, Dec. 2013</b>
8	<b>Top Group Head of the SRTTU, 2013</b>
7	<b>Supervisor of the Superior M. S. Thesis of the SRTTU, Dec. 2012</b>
6	<b>Top Researcher of the Mechanical Engineering Faculty of the SRTTU, Dec. 2012</b>
5	<b>Top Instructor of the SRTTU, May 2013</b>
4	<b>Letter of Appreciation from the Seventh National Seminar of Promoting Nanotechnology Institutions, July 2011</b>
3	<b>Letter of Appreciation from the Fourth Movement Festival, June 2011</b>
2	<b>Top Group Head of the SRTTU, Sept. 2010</b>
1	<b>Letter of Appreciation from the Iran Aircraft Manufacturing Industrial Company, Feb. 2000</b>

<b>Memberships</b>	
3	<b>Member of American Society of Mechanical Engineers (ASME)</b>
2	<b>Member of Iranian Society of Mechanical Engineers (ISME)</b>
1	<b>Member of Society of Manufacturing Engineering of Iran (SMEIR)</b>

<b>Teaching in Universities</b>	
3	<b>Shahid Rajaee Teacher Training University, Sep. 1997- Now</b>
2	<b>Valiasr Technical Faculty, Jan. 2005- Dec. 2011</b>
1	<b>Azad University, Tehran South Branch, Sep. 1996- Oct. 2014</b>

<b>Graduate and Postgraduate Courses Taught</b>	
2	<b>Mechanics of Composite Materials</b>

1	Mechanical Behavior of Materials
---	----------------------------------

Undergraduate Courses Taught	
6	Statics
5	Machine Dynamics
4	Engineering Drawings
3	AutoCAD
2	Differential Equations
1	General Workshop

Inventions	
2	Design and manufacture of a mechanical robot to climb wall, 2005
1	Design and manufacture of a wheelchair to climb stairs, 2003

Research Projects	
23	Experimental analysis of mechanical behavior of polymer-based composites, 2025
22	Experimental analysis of mechanical properties of polymer-based composites, 2024
21	Analysis of mechanical behavior of polymer-based composites, 2023
20	Vibrational analysis of composite plates reinforced by graphene nanoplates as functional graded GPLs effect under different parameters, 2022
19	Analysis of vibration, buckling and bending of microplates reinforced with graphene nanoplates, 2021
18	Experimental analysis of corrosion fatigue of welded 5083 aluminum alloy in seawater, 2021
17	Including the name of Shahid Rajaee Teacher Training University in the world university ranking system (QS, Times, Leiden), 2020
16	Bending and buckling analysis of composite laminate plates reinforced by nano graphene plates in a functionally grade pattern, 2020
15	A manufacturing research project of technical knowledge and laboratory sample of corrosion-fatigue machine, 2019
14	Analysis of wave propagation in micro plate in a viscoelastic medium reinforced by carbon nanotubes, 2019
13	Investigation on effects of welding process parameters on the mechanical properties of carbon steel-stainless steel dissimilar butt welded joints, 2018
12	Improving mechanical properties of titanium based glass metals, 2018
11	Manufacturing and investigation the mechanical properties of nanocomposites based on propylene, 2018
10	Experimental investigation on mechanical properties of ternary nanocomposites based on epoxy/NBR/nanoparticles, 2018
9	Effect of nanoparticles on impact strength and elastic modulus of polymer based composites, 2017
8	Design and manufacturing of a steel mold for polymer based composites, 2016
7	Comparing mechanical properties of PP based hybrid nanocomposites, 2016
6	Design and manufacturing of composite bipolar plates for polymer low temperature fuel cells, 2016

5	<b>Analysis of strengthening of polymer based composites, 2015</b>
4	<b>Numerical and experimental analysis of repaired cracked aluminum plates using FML patches under impact load, 2014</b>
3	<b>Design and fabrication of abrasive flow machine, 2013</b>
2	<b>Experimental analysis on machinability of composites, 2011</b>
1	<b>Experimental analysis on weldability of composites, 2011</b>

## Publications

### a) Journal Papers

137	Mohammad Kazem Nikzad, <b>Faramarz Ashenai Ghasemi*</b> , Farshid Aghadavoudi <b>Mechanical properties analysis of PLA matrix polymer nanocomposite reinforced with silica particles using improved micromechanical and molecular models</b> <i>Tabriz Journal of Mechanical Engineering</i> , Volume 55, Issue 4, 2026, Pages 25-32. (ISC) (In Persian)
136	Mahdi Mahabadifar, <b>Faramarz Ashenai Ghasemi*</b> , Mohammad Fasihi, Pouya Rajaee <b>Experimental analysis of fracture properties of unvulcanized and dynamically vulcanized PP/ EPDM/CLAY via essential work of fracture</b> <i>Mechanics of Composite Materials</i> , Volume 61, Issue 5, 2025, Pages 1009-1030. (JCR)
135	Mahmoud Nedaei Shekarab, <b>Faramarz Ashenai Ghasemi*</b> , Mohammad Fasihi, Pouya Rajaee <b>A comprehensive study on mechanical and fracture properties of polypropylene/ethylene propylene diene monomer/halloysite blend polymer nanocomposites</b> <i>Journal of Elastomers &amp; Plastics</i> , Volume 57, Issue 5, 2025, Pages 672-702. (JCR)
134	Mohammad Kazem Nikzad, <b>Faramarz Ashenai Ghasemi*</b> , Farshid Aghadavoudi <b>Influence of the shape of silica nanoparticles on the elastic properties and glass transition temperature of PLA-based nanocomposites: Molecular dynamics simulation</b> <i>Plastics, Rubber and Composites: Macromolecular Engineering</i> , Volume 54, Issue 3-4, 2025, Pages 108-119. (JCR)
133	Mohammad Mosayyebi, <b>Faramarz Ashenai Ghasemi*</b> , Reza Kolahchi <b>Vibration response of small-scaled FG-CNTRC sandwich plates with MR fluid core supported by Kerr elastic substance</b> <i>Journal of Vibration and Control</i> , 10.1177/10775463241304039, 2024, Pages 1-20. (JCR)
132	Pouya Rajaee, <b>Faramarz Ashenai Ghasemi</b> , Amir Hossein Rabiee*, Mohammad Fasihi, Behnam Kakeh, Alireza Sadeghi <b>Predicting tensile and fracture parameters in polypropylene-based nanocomposites using machine learning with sensitivity analysis and feature impact evaluation</b> <i>Composites Part C: Open Access</i> , Vol. 15, 100535, 2024, Pages 1-13. (JCR)
131	Iman Voghofi, <b>Faramarz Ashenai Ghasemi*</b> , Kazem Reza Kashyzadeh <b>Experimental analysis of tensile strength of 6-layer carbon/ kevlar/epoxy hybrid composite reinforced with nano-graphene/ silica nanoparticles</b> <i>Journal of Elastomers &amp; Plastics</i> , Volume 56, Issue 8, 2024, Pages 942-957. (JCR)
130	Reza Paknejad, <b>Faramarz Ashenai Ghasemi*</b> , Keramat Malekzadeh Fard <b>Analysis of free vibration and low-velocity impact response on sandwich cylindrical shells containing fluid</b> <i>Mechanics of Composite Materials</i> , Volume 60, Issue 4, 2024, Pages 729-750. (JCR)
129	Mohammad Kazem Nikzad, <b>Faramarz Ashenai Ghasemi*</b> , Farshid Aghadavoudi <b>Experimental analysis of the effect of the atomic radius of silica nanoparticles on the mechanical and thermal properties of poly lactic acid nanocomposites</b> <i>Journal of Elastomers &amp; Plastics</i> , Volume 56, Issue 6, 2024, Pages 774-785. (JCR)

128	Pouya Rajaei, Amir Hossein Rabiee, <b>Faramarz Ashenai Ghasemi*</b> , Mohammad Fasihi, Mahdi Mahabadifar, Mahmoud Nedaei Shekarab <b>XGBoost machine learning assisted prediction of the mechanical and fracture properties of unvulcanized and dynamically vulcanized PP/EPDM reinforced with clay and halloysite nanoparticles</b> <i>Polymer Composites</i> , Volume 45, Issue 16, 2024, Pages 14799-14815. (JCR)
127	Sadegh HosseiniJani, <b>Faramarz Ashenai Ghasemi*</b> , Mohammad Fasihi, Pouya Rajaei <b>On the essential work of fracture of polylactic acid/ thermoplastic polyurethane/ halloysite</b> <i>Journal of Elastomers &amp; Plastics</i> , Volume 56, Issue 5, 2024, Pages 593-610. (JCR)
126	Pouya Rajaei, <b>Faramarz Ashenai Ghasemi*</b> , Seyyed Ali Sajjadi, Mohammad Fasihi <b>Effect of raster angle on the fracture properties of additively manufactured ABS via essential work of fracture</b> <i>Journal of Applied Polymer Science</i> , Volume 141, Issue 16, 2024, Pages 1-11. (JCR)
125	Mohammad Kazem Nikzad, Farshid Aghadavoudi*, <b>Faramarz Ashenai Ghasemi</b> <b>Thermo-mechanical properties of silica-reinforced PLA nanocomposites using molecular dynamics: The effect of nanofiller radius</b> <i>Journal of Polymer Research</i> , Volume 31, Issue 2, 2024, Pages 1-10. (JCR)
124	Mohammad Mosayyebi, <b>Faramarz Ashenai Ghasemi</b> , and Reza Kolahchi* <b>Modified couple stress theory (MCST) and refined zigzag theory (RZT) for wave propagation of embedded smart sandwich plates with magnetorheological fluid core and viscoelastic FG-CNTRC magnetostrictive face sheets</b> <i>Journal of Vibration and Control</i> , Volume 30, Issue 21-22, 2023, Pages 4868-4887. (JCR)
123	M. Nouri, <b>F. Ashenai Ghasemi*</b> , G. R. Sherbaf, K. R. Kashizadeh <b>Fatigue analysis of a type-IV CNG composite cylinder with variable wall-thickness and polyethylene liner</b> <i>Mechanics of Composite Materials</i> , Volume 59, Issue 5, 2023, Pages 927-944. (JCR)
122	Hamid Kamalvand, <b>Faramarz Ashenai Ghasemi*</b> , Pouya Rajaei, Mohammad Fasihi <b>An experimental investigation of the tensile, fracture and microstructural characteristics of ABS/SBS reinforced with HNTs</b> <i>Polymer Composites</i> , Volume 44, Issue 19, 2023, Pages 6482-6494. (JCR)
121	Pooya Rajaei, <b>Faramarz Ashenai Ghasemi*</b> , Mohammad Fasihi <b>Comments on “Identification of micro-failure processes of HDPE-henequen fiber composite material by using acoustic emission monitoring: Effect of fiber surface modification”</b> <i>Polymer Composites</i> , Volume 44, Issue 8, 2023, Pages 5296-5299. (JCR)
120	Milad Souri Rudabadi, <b>Faramarz Ashenai Ghasemi*</b> , Pouya Rajaei, Mohammad Fasihi <b>An experimental study on the microstructural, tensile, and fracture properties of biodegradable polylactic acid blended with thermoplastic corn starch filled with halloysite nanotubes</b> <i>Industrial Crops &amp; Products</i> , Volume 201, 116922, 2023, Pages 1-14. (JCR)
119	Seyyed Ali Sajjadi, <b>Faramarz Ashenai Ghasemi*</b> , Pouya Rajaei, Mohammad Fasihi <b>Fracture toughness of PA6/POE-g-MA/TiO<sub>2</sub> ternary nanocomposites according to the essential work fracture method</b> <i>Polymer Composites</i> , Volume 44, Issue 7, 2023, Pages 3895-3912. (JCR)
118	Abuzar Fotoohi, <b>Faramarz Ashenai Ghasemi*</b> , Mohammad Fasihi, Pooya Rajaei <b>Mechanical behavior and essential work of fracture of surface-modified exfoliated graphite filled polypropylene/ethylene-vinyl acetate blend nano-composites</b> <i>Journal of Applied Polymer Science</i> , Volume 140, Issue 20, 2023, Pages 1-17. (JCR)
117	Reza Paknejad, <b>Faramarz Ashenai Ghasemi*</b> , Keramat Malekzadeh Fard <b>The effects of arbitrary boundary conditions on a laminated composite plate response subjected to large mass &amp; low velocity impact</b> <i>Tabriz Journal of Mechanical Engineering</i> , Volume 53, Issue 1, 2023, Pages 51-60. (ISC) (In Persian)
116	Seyyed Ali Sajjadi, <b>Faramarz Ashenai Ghasemi*</b> , Pouya Rajaei, Mohammad Fasihi <b>Evaluation of fracture properties of 3D printed high impact polystyrene according to essential work of fracture: Effect of raster angle</b> <i>Additive Manufacturing</i> , Volume 59, 103191, 2022, Pages 1-17. (JCR)

115	Seyyed Sajad Mousavi Nejad Souq, <b>Faramarz Ashenai Ghasemi</b> , Mir Masoud Seyyed Fakhrabadi* <b>Performance of different traditional and machine learning-based atomistic potential functions in the simulation of mechanical behavior of Fe nanowires</b> <i>Computational Materials Science</i> , Volume 215, 111807, 2022, Pages 1-15. (JCR)
114	Behnam Kakeh, Mohammad Fasihi*, <b>Faramarz Ashenai Ghasemi</b> , Pouya Rajaee <b>Effect of halloysite nanotubes on deformation mechanism and work of fracture of thermoplastic elastomer toughened polypropylene</b> <i>Journal of Applied Polymer Science</i> , Volume 139, Issue 47, 2022, Pages 1-17. (JCR)
113	Sajjad Daneshpayeh, <b>Faramarz Ashenai Ghasemi</b> *, Valioallah Panahizadeh, Ismail Ghasemi <b>Investigation and optimization of the tensile properties of nanocomposites based on polylactic acid/polyolefin elastomer: Using fuzzy inference system and particle swarm optimization method</b> <i>Polymer Composites</i> , Volume 43, Issue 9, 2022, Pages 6521-6535. (JCR)
112	Mohammad Mosayyebi, <b>Faramarz Ashenai Ghasemi</b> *, Mohammad Aghaei <b>Modified couple stress theory for wave propagation in viscoelastic sandwich microplates with FG-GPLRC core and piezoelectric face sheets as sensor and actuator</b> <i>Waves in Random and Complex Media</i> , 10.1080/17455030.2022.2106387, 2022, Pages 1-44. (JCR)
111	Seyyed Sajad Mousavi Nejad Souq, <b>Faramarz Ashenai Ghasemi</b> , Mir Masoud Mir Fakhrabadi* <b>Effects of various cross sections on elastoplastic behavior of Fe nanowires under tension/compression</b> <i>Journal of Materials Engineering and Performance</i> , Volume 32, Issue 1, 2023, Pages 423-437. (JCR)
110	Pooya Rajaee, <b>Faramarz Ashenai Ghasemi</b> *, Mohammad Fasihi, Abuzar Fotoohi, Seyyed Ali Sajjadi <b>Multi-response optimization of tensile and fracture properties of polypropylene/ethylene-vinyl acetate/exfoliated graphite by the design of experiment</b> <i>Elastomers &amp; Plastics</i> , Volume 54, Issue 6, 2022, Pages 1000-1024. (JCR)
109	Mahdi Vahdat, <b>Faramarz Ashenai Ghasemi</b> *, Mohammad Mosayyebi <b>Strain gradient vibration analysis of piezoelectric composite microplate reinforced with FG-GPLs based on sinusoidal shear deformation theory</b> <i>Mechanics Based Design of Structures and Machines</i> , Volume 51, Issue 12, 2023, Pages 6947-6975. (JCR)
108	Pooya Rajaee, <b>Faramarz Ashenai Ghasemi</b> *, Mohammad Fasihi, Alireza Sadeghi, Behnam Kakeh <b>Effect of fumed silica and halloysite nanoparticles on the microstructure, mechanical, and fracture properties of thermoplastic polyolefin elastomer toughened polypropylene</b> <i>Polymer Composites</i> , Volume 43, Issue 7, 2022, Pages 4495-4518. (JCR)
107	Alireza Sadeghi, <b>Faramarz Ashenai Ghasemi</b> *, Mohammad Fasihi, Pooya Rajaee <b>Experimental analysis of tensile properties and essential work of fracture of fumed silica filled polypropylene toughened with thermoplastic polyolefin elastomer</b> <i>Composite Materials</i> , Volume 56, Issue 16, 2022, Pages 2621-2638. (JCR)
106	Sajjad Daneshpayeh, <b>Faramarz Ashenai Ghasemi</b> *, Ismail Ghasemi <b>Experimental investigation on mechanical properties of nanocomposites based on poly lactic acid/ polyolefin elastomer reinforced with multi-walled carbon nanotubes, and graphene nanoplatelets</b> <i>Polymers and Polymer Composites</i> , Volume 30, 2022, Pages 1-13. (JCR)
105	Mohammad Mosayyebi, <b>Faramarz Ashenai Ghasemi</b> *, Mahdi Vahdat, Mohammad Aghaei <b>Wave propagation of the viscoelastic FG-GPLRPC microplate via sinusoidal shear deformation theory (SSDT) and modified coupled stress theory (MCST)</b> <i>Waves in Random and Complex Media</i> , doi.org/10.1080/17455030.2021.2024298, 2022, Pages 1-26. (JCR)
104	Mohammad Mosayyebi, <b>Faramarz Ashenai Ghasemi</b> *, Mohammad Aghaei, Mahdi Vahdat <b>Analytical investigation of the refined zigzag theory for electro-magneto vibration response of the viscoelastic FG-GPLRC sandwich microplates</b> <i>Mechanics Based Design of Structures and Machines</i> , Volume 51, Issue 10, 2023, Pages 5941-5967. (JCR)

103	Pouya Rajaee, <b>Faramarz Ashenai Ghasemi*</b> , Mohammad Fasihi <b>Essential work of fracture analysis for surface modified carbon fiber/polypropylene composites with different interfacial adhesion</b> ” [ <i>Polymer Composites</i> 41 (9) (2020): 3541–3551] <i>Polymer Composites</i> , Volume 43, Issue 3, 2022, Pages 1505-1507. (JCR)
102	Sajjad Daneshpayeh, <b>Faramarz Ashenai Ghasemi</b> , Ismail Ghasemi*, Valiollah Panahizadeh <b>Achieve balanced stiffness and toughness properties of nanocomposites based on poly(lactic acid)/polyolefin by using fuzzy rule-based system</b> <i>Express Polymer Letters</i> , Volume 16, Issue 2, 2022, Pages 152-170. (JCR)
101	Majid Nouri Kamari, <b>Faramarz Ashenai Ghasemi</b> , Gholam Hossein Rahimi Sherbaf, Kazem Reza Kashyzadeh <b>Numerical simulation of CNG fuel tank behavior made of epoxy/glass composite in design mode considering constant and variable thicknesses under burst pressure test</b> <i>Iranian Journal of Manufacturing Engineering</i> , Volume 8, Issue 7, 2021, Pages 20-30. (ISC) (In Persian)
100	Pouya Rajaee, <b>Faramarz Ashenai Ghasemi*</b> , Mohammad Fasihi, Nasrin Amini <b>Microstructural analysis and multi-response optimization of mechanical properties of bulk molding compound</b> <i>Polymer Composites</i> , Volume 43, Issue 1, 2022, Pages 593-607. (JCR)
99	Arash Mohamadi, Majid Shahgholi*, <b>Faramarz Ashenai Ghasemi</b> <b>Nonlinear dynamic and bifurcations analysis of an axially moving circular cylindrical nanocomposite shell</b> <i>International Journal of Mechanics and Materials in Design</i> , Volume 18, Issue 1, 2022, Pages 125-154. (JCR)
98	Seyyed Sajad Mousavi Nejad Souq, <b>Faramarz Ashenai Ghasemi*</b> , Mir Masoud Mir Fakhreabadi <b>A comparative study of crack detection in nanobeams using molecular dynamics simulation, analytical formulations, and finite element method</b> <i>Journal of Computational Applied Mechanics</i> , Volume 52, Issue 3, 2021, Pages 408-422. (Scopus)
97	Mohammad Reza Hadavi, <b>Faramarz Ashenai Ghasemi*</b> , Hassan Jafari <b>Simulation of seawater corrosion effect on the fatigue life of 5083 MIG welded aluminum alloy after friction stir processing</b> <i>Iranian Journal of Marine and Technology</i> , Volume 25, Issue 98, 2021, Pages 25-33. (ISC) (In Persian)
96	Arash Mohammadi, <b>Faramarz Ashenai Ghasemi*</b> , Majid Shahgholi <b>Nonlinear vibration, stability, and bifurcation analysis of axially moving and spinning cylindrical shells</b> <i>Mechanics Based Design of Structures and Machines</i> , Volume 51, Issue 7, 2023, Pages 4032-4062. (JCR)
95	Milad Zamanian, <b>Faramarz Ashenai Ghasemi*</b> , Mehrzad Mortezaei <b>An efficient nanoscale representative volume element simulation including graded interphase for tensile behavior of epoxy/silica nanocomposites</b> <i>Journal of Applied Polymer Science</i> , Volume 138, Issue 45, 2021, Pages 1-10. (JCR)
94	Meysam Nouri Niyaraki, <b>Faramarz Ashenai Ghasemi*</b> , Ismail Ghasemi, Sajjad Daneshpayeh <b>Predicting of impact strength and elastic modulus of polypropylene/EPDM/graphene/glass fiber nanocomposites by response surface methodology</b> <i>Technical Journal</i> , Volume 15, Issue 2, 2021, Pages 169-177. (ISI)
93	Hossein Abolhassanpour, <b>Faramarz Ashenai Ghasemi</b> , Majid Shahgholi*, Arash Mohammadi <b>Nonlinear vibration analysis of an axially moving thin-walled conical shell</b> <i>International Journal of Non-Linear Mechanics</i> , Volume 134, 103747, 2021, Pages 1-13. (JCR)
92	Hamidreza Talebi, <b>Faramarz Ashenai Ghasemi*</b> , Alireza Ashori <b>The effect of nanocellulose on mechanical and physical properties of chitosan-based biocomposites</b> <i>Elastomers &amp; Plastics</i> , Volume 54, Issue 1, 2022, Pages 1-20. (JCR)
91	Mohammad Reza Hadavi, Hamed Yarmohammad Touski, Hassan Jafari*, <b>Faramarz Ashenai Ghasemi</b> <b>Effect of Friction Stir Processing on Microstructure, Mechanical Properties, and Corrosion Fatigue Behavior of AA5083-H111 Metal Inert Gas Welded Joint</b> <i>Journal of Materials Engineering and Performance</i> , Vol. 30, No. 8, 2021, Pages 5763-5772. (JCR)
90	Arash Mohammadi, <b>Faramarz Ashenai Ghasemi*</b> , Majid Shahgholi <b>Forced Nonlinear vibration and bifurcation analysis of circular cylindrical nanocomposite shells using the normal form</b> <i>International Journal of Non-Linear Mechanics</i> , Volume 134, 103733, 2021, Pages 1-20. (JCR)

89	<b>Faramarz Ashenai Ghasemi*</b> , Meysam Nouri Niyaraki, Ismail Ghasemi, Sajjad Daneshpayeh <b>Predicting the tensile strength and elongation at break of PP/graphene/glass fiber/EPDM nanocomposites using response surface methodology</b> <i>Mechanics of Advanced Materials and Structures</i> , Volume 28, Issue 10, 2021, Pages 981-989. (JCR)
88	Hossein Abolhassanpour, <b>Faramarz Ashenai Ghasemi*</b> , Majid Shahgholi, Arash Mohamadi <b>Stability and vibration analysis of an axially moving thin walled conical shell</b> <i>Journal of Vibration and Control</i> , Volume 28, Issue 13-14, 2022, Pages 1655-1672. (JCR)
87	Sajjad Daneshpayeh, <b>Faramarz Ashenai Ghasemi*</b> , Ismail Ghasemi <b>The effect of nanoparticles shape on the mechanical properties of poly lactic acid matrix</b> <i>Elastomers &amp; Plastics</i> , Volume 53, Issue 6, 2021, Pages 684-697. (JCR)
86	Arash Mohammadi, <b>Faramarz Ashenai Ghasemi*</b> , Majid Shahgholi <b>Stability analysis of an axially moving nanocomposite circular cylindrical shell with time-dependent velocity in thermal environments</b> <i>Mechanics Based Design of Structures and Machines</i> , Volume 49, Issue 5, 2021, Pages 659-688. (JCR)
85	Mohsen Ayaz, <b>Faramarz Ashenai Ghasemi</b> , Valiollah Panahizadeh Rahimloo*, Saman Menbari <b>Multi-response optimization of the mechanical properties of PP/talc/CaCO<sub>3</sub> ternary nanocomposites by the response surface methodology combined with desirability function approach</b> <i>Elastomers &amp; Plastics</i> , doi.org/10.1177/0095244318819184, 2018, Pages 1-20. (JCR)
84	Pouya Rajaee, <b>Faramarz Ashenai Ghasemi*</b> , Mohammad Fasihi, Mohammadhossein Saberian <b>Experimental analysis and optimization of mechanical and physical properties of light-weight bulk molding compound by design of experiment</b> <i>Journal of Macromolecular Science, Part B</i> , Volume 60, Issue 4, 2021, Pages 237-256. (JCR)
83	Mohammad Reza Hadavi, <b>Faramarz Ashenai Ghasemi*</b> , Hassan Jafari <b>Experimental analysis of mechanical properties of MIG welded 5083 aluminum alloy after friction stir process</b> <i>Iranian Journal of Marine and Technology</i> , Volume 24, Issue 96, 2021, Pages 1-10. (JCR) (In Persian)
82	Milad Zamanian, <b>Faramarz Ashenai Ghasemi*</b> , Mehrzad Mortezaei <b>Interphase characterization and modeling of tensile modulus in epoxy/silica nanocomposites</b> <i>Journal of Applied Polymer Science</i> , Volume 138, Issue 5, 2021, Pages 1-10. (JCR)
81	Sajjad Daneshpayeh, <b>Faramarz Ashenai Ghasemi*</b> , Shahnoosh Masoumi, Meysam Nouri Niyaraki <b>Prediction of mechanical properties of quaternary nanocomposites based on polypropylene using fuzzy logic</b> <i>Elastomers &amp; Plastics</i> , Volume 53, Issue 1, 2021, Pages 14-30. (JCR)
80	Farzad Kolahdouzan, Mohammad Mosayyebi, <b>Faramarz Ashenai Ghasemi</b> , Reza Kolahchi*, Seyed Rouhollah Mousavi Panah <b>Free vibration and buckling analysis of elastically restrained FG-CNTRC sandwich annular nanoplates</b> <i>Advances in Nano Research</i> , Volume 9, Issue 4, 2020, Pages 237-250. (JCR)
79	Arash Mohamadi, Majid Shahgholi*, <b>Faramarz Ashenai Ghasemi</b> <b>Nonlinear vibration of axially moving simply-supported circular cylindrical shell</b> <i>Thin-Walled Structures</i> , Volume 56, 107026, 2020, Pages 1-25. (JCR)
78	Majid Nouri Kamari, <b>Faramarz Ashenai Ghasemi*</b> , Gholamhassan Rahimi Sherbaf, Kazem Reza Kashizadeh <b>Effect of pin geometry on the mechanical strength of friction-stir-welded polypropylene composite plates</b> <i>Mechanics of Composite Materials</i> , Volume 56, Issue 3, 2020, Pages 339-352. (JCR)
77	Amir Bakhtiari, <b>Faramarz Ashenai Ghasemi</b> , Ghasem Naderi, Mohammad Reza Nakhaei* <b>An approach to the optimization of mechanical properties of polypropylene/nitrile butadiene rubber/halloysite nanotube/polypropylene-g-maleic anhydride nanocomposites using response surface methodology</b> <i>Polymer Composites</i> , Volume 41, Issue 6, 2020, Pages 2330-2343. (JCR)
76	Asma Ghanbari, Hassan Jafari*, <b>Faramarz Ashenai Ghasemi</b> <b>Wear behavior of biodegradable Mg-5Zn-1Y-(0-1) Ca magnesium alloy in simulated body fluid</b> <i>Metals and Materials International</i> , Volume 26, Issue 3, 2020, Pages 395-407. (JCR)
75	Asma Ghanbari, <b>Faramarz Ashenai Ghasemi*</b> , Hassan Jafari <b>Experimental analysis of wear behavior of a biocompatible bone implant</b> <i>Mechanical Engineering Journal</i> , Volume 28, Issue 6, 2020, Pages 40-52. (ISC) (In Persian)

74	Hamidreza Talebi, <b>Faramarz Ashenai Ghasemi*</b> , Alireza Ashori <b>Efect of nanoparticles on the mechanical properties of chitosan-based biocomposites</b> <i>Polymerization</i> , Volume 9, Issue 4, 2020, Pages 54-65. (ISC) (In Persian)
73	Mohammad Sadegh Bagheri, <b>Faramarz Ashenai Ghasemi*</b> , Ismail Ghasemi <b>Analysis of tensile properties of hybrid nanocomposite based on epoxy/ glass fibers/ nano-silica</b> <i>Tabriz Journal of Mechanical Engineering</i> , Volume 49, Issue 4, 2020, Pages 229-238. (ISC) (In Persian)
72	Mohammadhossein Saberian, <b>Faramarz Ashenai Ghasemi*</b> , Ismail Ghasemi, Mohammad Sadegh Bagheri <b>Morphology, mechanical behavior, and prediction of A-glass/SiO<sub>2</sub>/epoxy nanocomposite using response surface methodology</b> <i>Elastomers &amp; Plastics</i> , Volume 51, Issue 7-8, 2019, Pages 669-683. (JCR)
71	Arash Mohamadi, Majid Shahgholi*, <b>Faramarz Ashenai Ghasemi</b> <b>Free vibration and stability of an axially moving thin circular cylindrical shell using multiple scales method</b> <i>Meccanica</i> , Volume 54, Issue 14, 2019, Pages 2227-2246. (JCR)
70	Hamidreza Talebi, <b>Faramarz Ashenai Ghasemi*</b> , Alireza Ashori <b>The effect of solvent and plasticizer on mechanical properties of chitosan-based biocomposites</b> <i>Polymerization</i> , Volume 9, Issue 3, 2019, Pages 62-71. (ISC) (In Persian)
69	Poorya Poostan, Rasool Abdullah Mirzaie, <b>Faramarz Ashenai Ghasemi*</b> , Elghar Abdullahi <b>Fabrication and analysis of composite bipolar plates with expanded graphite to increase electrical conductivity of fuel cells</b> <i>Journal of Science and Engineering of Composites</i> , Volume 6, Issue 3, 2019, Pages 465-472. (ISC) (In Persian)
68	Pouya Rajaei, <b>Faramarz Ashenai Ghasemi*</b> , Mohammad Fasihi, Mohammadhossein Saberian <b>Effect of styrene-butadiene rubber and fumed silica nano-filler on the microstructure and mechanical properties of glass fiber reinforced unsaturated polyester resin</b> <i>Composites Part B: Engineering</i> , Volume 173, 106803, 2019, Pages 1-11. (JCR)
67	Sajjad Daneshpayeh, <b>Faramarz Ashenai Ghasemi*</b> , Ismail Ghasemi <b>Tensile properties of polypropylene/linear low-density polyethylene/nano-titanium dioxide nanocomposites using a two-level factorial experiment</b> <i>Technical Journal</i> , Volume 13, Issue 3, 2019, Pages 165-172. (ISI)
66	Mohammad Amin Foroutan Moharami, <b>Faramarz Ashenai Ghasemi*</b> , Mohammad Reza Farahani <b>Experimental analysis of GTAW welding parameters effects on the mechanical and metallurgical properties of ST37 carbon steel- AISI304 stainless steel dissimilar welded joints</b> <i>Tabriz Journal of Mechanical Engineering</i> , Volume 49, Issue 2, 2019, Pages 229-238. (ISC) (In Persian)
65	Mohammadhossein Saberian, <b>Faramarz Ashenai Ghasemi*</b> , Ismail Ghasemi, Sajjad Daneshpayeh <b>Investigation on tensile properties of epoxy/graphene nano-platelets/carboxylated nitrile butadiene rubber ternary nanocomposites using response surface methodology</b> <i>Nanomaterials and Nanotechnology</i> , Volume 9, 2019, Pages 1-12. (JCR)
64	<b>Faramarz Ashenai Ghasemi</b> , Mohammad Hossein Saberian, Ismail Ghasemi*, Sajjad Daneshpayeh <b>Experimental investigation on mechanical properties of hybrid nano-composite based on epoxy/ graphene nano-platelets/ carboxylated acrylonitrile butadiene rubber</b> <i>Journal of Science and Engineering of Composites</i> , Volume 5, Issue 3, 2018, Pages 395-402. (ISC) (In Persian)
63	Mohammad Sadegh Bagheri, <b>Faramarz Ashenai Ghasemi*</b> , Ismail Ghasemi, Mohammad Hossein Saberian <b>Analysis of the Young's modulus and impact strength of A-glass/epoxy/nano-silica ternary nano-composites using surface response methodology</b> <i>Journal of Failure Analysis and Prevention</i> , Volume 18, Issue 6, 2018, Pages 1472-1483. (ISI)
62	Sajjad Daneshpayeh, Amir Tarighat, <b>Faramarz Ashenai Ghasemi*</b> , Mohammad Sadegh Bagheri <b>A fuzzy logic model for prediction of tensile properties of epoxy/glass fiber/silica nanocomposites</b> <i>Elastomers &amp; Plastics</i> , Volume 50, Issue 6, 2018, Pages 491-500. (JCR)
61	Meysam Nouri-Niyaraki, <b>Faramarz Ashenai Ghasemi*</b> , Ismail Ghasemi, Sajjad Daneshpayeh <b>A study on effect of titanium dioxide nanoparticles on the elastic modulus, impact and tensile strengths of polypropylene/linear low density polyethylene (PP/LLDPE) blends</b> <i>Journal of Science and Engineering of Composites</i> , Volume 5, Issue 2, 2018, Pages 169-176. (ISC) (In Persian)

60	Hossain Aliakbari, <b>Faramarz Ashenai Ghasemi*</b> , Bahram Ramezanzadeh <b>Experimental analysis of physical/mechanical behavior of transparent nanocomposite coats made of polyurethane/alumina nanoparticles</b> <i>Tabriz Journal of Mechanical Engineering</i> , Volume 48, Issue 1, 2018, Pages 271-279. (ISC) (In Persian)
59	Reza Paknejad, <b>Faramarz Ashenai Ghasemi*</b> , Keramat Malekzadeh Fard <b>The effects of arbitrary boundary conditions on a laminated composite plate response subjected to large mass &amp; low velocity impact</b> <i>Journal of Solid and Fluid Mechanics</i> , Volume 8, Issue 1, 2018, Pages 35-49. (ISC) (In Persian)
58	Aram Osmannejad, <b>Faramarz Ashenai Ghasemi*</b> , Ismail Ghasemi <b>Preparation and characterization of PP/ wood flour/ graphene hybrid nanocomposites</b> <i>Tabriz Journal of Mechanical Engineering</i> , Volume 47, Issue 4, 2018, Pages 191-199. (ISC) (In Persian)
57	<b>Faramarz Ashenai Ghasemi*</b> , Ismail Ghasemi, Sajjad Daneshpayeh <b>A study on effect of titanium dioxide nanoparticles on the elastic modulus, impact and tensile strengths of polypropylene/linear low density polyethylene (PP/LLDPE) blends</b> <i>Journal of Science and Engineering of Composites</i> , Volume 4, Issue 4, 2018, Pages 386-390. (ISC) (In Persian)
56	Amir Shekari*, Faramarz Ashenai Ghasemi, Keramat Malekzadehfard <b>Free damped vibration of rotating truncated conical sandwich shells using an improved high-order theory</b> <i>Latin American Journal of Solids and Structures</i> , Volume 14, Issue 12, 2017, Pages 2291-2323. (JCR)
55	Elghar Abdollahi, <b>Faramarz Ashenai Ghasemi*</b> , Rasol Abdullah Mirzaie <b>Experimental analysis of mechanical behavior of the composite bipolar plates in proton exchange membrane fuel cells</b> <i>Tabriz Journal of Mechanical Engineering</i> , Volume 47, Issue 3, 2017, Pages 149-158. (ISC) (In Persian)
54	<b>Faramarz Ashenai Ghasemi*</b> , Sajjad Daneshpayeh, Ismail Ghasemi <b>Multi-response optimization of impact strength and elongation at break of nanocomposites based on polypropylene/polyethylene binary polymer matrix in the presence of titanium dioxide nanofiller</b> <i>Elastomers &amp; Plastics</i> , Volume 49, Issue 8, 2017, Pages 633-649. (JCR)
53	F. Kordestani, F. Ashenai Ghasemi*, N. B. M. Arab <b>Effect of pin geometry on the mechanical strength of friction-stir-welded polypropylene composite plates</b> <i>Mechanics of Composite Materials</i> , Volume 53, Issue 4, 2017, Pages 525-532. (JCR)
52	Fazel Fatemi, <b>Faramarz Ashenai Ghasemi*</b> , Javad Beheshtian <b>Improving mechanical properties of epoxy/ Kevlar/ modified graphene nanocomposites</b> <i>Tabriz Journal of Mechanical Engineering</i> , Volume 43, Issue 2, 2017, Pages 171-178. (ISC) (In Persian)
51	<b>Faramarz Ashenai Ghasemi*</b> , Ismail Ghasemi, Amin Ghorbani <b>Investigation of the effect of graphene on the mechanical properties and crystallinity of composites of polypropylene/short glass fiber</b> <i>Tabriz Journal of Mechanical Engineering</i> , Volume 47, Issue 1, 2017, Pages 9-17. (ISC) (In Persian)
50	Sajjad Daneshpayeh, <b>Faramarz Ashenai Ghasemi*</b> , Ismail Ghasemi <b>Mechanical properties of nanocomposites based on polypropylene-linear low density polyethylene-titanium dioxide nano particles by response surface methodology</b> <i>Tabriz Journal of Mechanical Engineering</i> , Volume 46, Issue 4, 2017, Pages 93-101. (ISC) (In Persian)
49	<b>Faramarz Ashenai Ghasemi*</b> , A. Ghorbani, I. Ghasemi <b>Mechanical, thermal and dynamic mechanical properties of PP/GF/xGnP nanocomposites</b> <i>Mechanics of Composite Materials</i> , Volume 53, Issue 1, 2017, Pages 131-138. (JCR)
48	<b>Faramarz Ashenai Ghasemi*</b> , Lotfali Mozaffari Vanani, Ali Pourkamali Anarak, Sadigh Raissi <b>Charpy impact response of the cracked aluminum plates repaired with FML patches using the response surface methodology</b> <i>Defence Science Journal</i> , Volume 66, Issue 5, 2016, Pages 536-545. (JCR)
47	Fatemeh Kordestani, <b>Faramarz Ashenai Ghasemi*</b> , N. B. Mostafa Arab <b>An investigation of FSW process parameters effects on mechanical properties of PP composites</b> <i>Mechanics &amp; Industry</i> , Volume 17, Issue 6, 2016, Pages 611.1-611.8. (JCR)

46	Saman Menbari, <b>Faramarz Ashenai Ghasemi*</b> , Ismail Ghasemi <b>Simultaneous improvement in the strength and toughness of polypropylene by incorporating hybrid graphene/CaCO<sub>3</sub></b> <i>Polymer Testing</i> , Volume 54, 2016, Pages 281-287. (JCR)
45	<b>Faramarz Ashenai Ghasemi*</b> , Lotfali Mozafari Vanani, Ali Pourkamali Anaraki <b>A study on the Charpy impact response of the cracked aluminum plates repaired with FML composite patches</b> <i>Journal of Failure Analysis and Prevention</i> , Volume 16, Issue 4, 2016, Pages 594-600. (ISI)
44	<b>Faramarz Ashenai Ghasemi</b> , Ismail Ghasemi, Saman Menbari, Mohsen Ayaz, Alireza Ashori* <b>Optimization of mechanical properties of polypropylene/talc/graphene composites using response surface methodology</b> <i>Polymer Testing</i> , Volume 53, 2016, Pages 283-292. (JCR)
43	<b>Faramarz Ashenai Ghasemi*</b> , Sajjad Daneshpayeh, Ismail Ghasemi, Mohsen Ayaz <b>An investigation on the Young's modulus and impact strength of nanocomposites based on polypropylene/linear low-density polyethylene/titan dioxide (PP/LLDPE/TiO<sub>2</sub>) using response surface methodology</b> <i>Polymer Bulletin</i> , Volume 73, 2016, Pages 1741-1760. (JCR)
42	<b>F. Ashenai Ghasemi*</b> , P. Rahmani, A. Pourkamali Anaraki, Y. Alizadeh Vaghslou <b>Experimental analysis of buckling strength of notched aluminum plates reinforced using fiber metal laminate (FML) patches</b> <i>Journal of Solid and Fluid Mechanics</i> , Volume 6, Issue 1, 2016, Pages 117-127. (ISC) (In Persian)
41	<b>Faramarz Ashenai Ghasemi*</b> , Ismail Ghasemi, Mahdi Basiri <b>Experimental analysis of mechanical properties of polypropylene in presence of graphene nano plates and polyolefin elastomer in different manufacturing times</b> <i>The Modares Journal of Mechanics Engineering</i> , Volume 15, Issue 11, 2016, Pages 225-232. (ISC) (In Persian)
40	Sajjad Daneshpayeh, <b>Faramarz Ashenai Ghasemi</b> , Ismail Ghasemi, Mohsen Ayaz* <b>Predicting of mechanical properties of PP/LLDPE/TiO<sub>2</sub> nano-composites by response surface methodology</b> <i>Composites Part B: Engineering</i> , Volume 84, 2016, Pages 109-120. (JCR)
39	K. Malekzadeh Fard*, A. Veisi Ghorghabad, A. Azarnia, <b>Faramarz Ashenai Ghasemi</b> <b>High order impact elastic analysis of circular thick cylindrical sandwich panels subjected to multi-mass impacts</b> <i>Latin American Journal of Solids and Structures</i> , Volume 12, Issue 12, 2015, Pages 2281-2310. (JCR)
38	Saman Menbari, <b>Faramarz Ashenai Ghasemi*</b> , Ismail Ghasemi <b>Comparison of mechanical properties of hybrid nanocomposites of PP/talc/ graphene with PP/ graphene</b> <i>The Modares Journal of Mechanics Engineering</i> , Volume 15, Issue 7, 2015, Pages 329-335. (ISC) (In Persian)
37	Majid Ghadiri*, Keramat Malekzadeh, <b>Faramarz Ashenai Ghasemi</b> <b>Free vibration of an axially preloaded laminated composite beam carrying a spring-mass-damper system with a non-ideal support</b> <i>Jordan Journal of Mechanical and Industrial Engineering</i> , Volume 9, Issue 3, 2015, Pages 195-207. (ISI)
36	<b>F. Ashenai Ghasemi*</b> , K. Malekzadeh Fard, M. A. Khalili <b>Dynamic response of curved sandwich beam with a soft flexible core subjected to radial low velocity impact</b> <i>Journal of Solid and Fluid Mechanics</i> , Volume 5, Issue 1, 2015, Pages 13-29. (ISC) (In Persian)
35	<b>Faramarz Ashenai Ghasemi*</b> , Gholam Reza Bagheri, Ali Pourkamali <b>Experimental analysis of tensile strength of lateral notched aluminum plates reinforced by the fiber metal laminate (FML) patches</b> <i>The Modares Journal of Mechanics Engineering</i> , Volume 15, Issue 3, 2015, Pages 1-8. (ISC) (In Persian)
34	<b>Faramarz Ashenai Ghasemi*</b> , Esmaeil Aligholizadeh, Ali Pourkamali Anaraki <b>An experimental study of temperature effect on low-velocity impact response of notched aluminum plates repaired by FML composite patches</b> <i>The Modares Journal of Mechanics Engineering</i> , Volume 14, Issue 9, 2014, Pages 175-182. (ISC) (In Persian)
33	M. Rahmani Kalestan, H. Moayeri Kashani*, A. Pourkamali Anaraki, <b>Faramarz Ashenai Ghasemi</b> <b>Experimental and numerical investigation of fatigue crack growth in aluminum plates repaired by FML composite patch</b> <i>International Journal of Structural Integrity</i> , Volume 5, Issue 4, 2014, Pages 493-503. (SCOPUS)

32	K. Malekzadeh Fard*, M. Livani, <b>Faramarz Ashenai Ghasemi</b> <b>Improved high order free vibration analysis of thick double curved sandwich panels with transversely flexible cores</b> <i>Latin American Journal of Solids and Structures</i> , Volume 11, Issue 12, 2014, Pages 2284-2307. (JCR)
31	Lotfali Mozafari Vanani, Hamed Moayeri Kashani*, Ali Pourkamali Anaraki, <b>Faramarz Ashenai Ghasemi</b> <b>Experimental and numerical investigation in failure of cracked aluminum plates repaired with bonded FML composite patch, under impact loading</b> <i>Science and Engineering of Composite Materials</i> , Volume 21, Issue 4, 2014, Pages 242-252. (JCR)
30	<b>Faramarz Ashenai Ghasemi*</b> , Ismail Ghasemi, Sajjade Daneshpayeh <b>Mechanical and thermal properties of nanocomposites based on polypropylene/linear low density polyethylene/titanium dioxide</b> <i>The Modares Journal of Mechanics Engineering</i> , Volume 14, Issue 3, 2014, Pages 103-109. (ISC) (In Persian)
29	Reza Paknejad, <b>Faramarz Ashenai Ghasemi*</b> , Keramat Malekzadeh Fard <b>Response of fully-clamped composite laminated plate subjected to low velocity impact using Galerkin method</b> <i>The Modares Journal of Mechanics Engineering</i> , Volume 14, Issue 1, 2014, Pages 45-50. (ISC) (In Persian)
28	K. Malekzadeh, A. Mozafari, <b>Faramarz Ashenai Ghasemi*</b> <b>Free vibration response of a multilayer smart hybrid composite plate with embedded SMA wires</b> <i>Latin American Journal of Solids and Structures</i> , Volume 11, Issue 2, 2014, Pages 279-298. (JCR)
27	<b>Faramarz Ashenai Ghasemi*</b> , Ali Pourkamali, Amirhousain Roozbahani <b>Using XFEM for investigating the crack growth of cracked aluminum plates repaired with fiber metal laminate (FML) patches</b> <i>The Modares Journal of Mechanics Engineering</i> , Volume 13, Issue 14, 2014, Pages 15-27. (ISC) (In Persian)
26	Mahdi Rahmani, <b>Faramarz Ashenai Ghasemi*</b> , Gholamhassan Payganeh <b>Effect of surface modification of calcium carbonate nanoparticles on their dispersion in the polypropylene matrix using stearic acid</b> <i>Mechanics &amp; Industry</i> , Volume 15, Issue 1, 2014, Pages 63-67. (JCR)
25	H. Ahmadi, N. B. Mostafa Arab*, <b>F. Ashenai Ghasemi</b> <b>Optimization of process parameters for friction stir lap welding of carbon fiber reinforced thermoplastic composites by Taguchi method</b> <i>Journal of Mechanical Science and Technology</i> , Volume 28, Issue 1, 2014, Pages 279-284. (JCR) (Highly Cited)
24	H. Cheraghi, <b>F. A. Ghasemi*</b> , G. Payganeh <b>Morphology and mechanical properties of PP/LLDPE blends and ternary PP/LLDPE/NANO-CaCO<sub>3</sub> composites</b> <i>Strength of Materials</i> , Volume 45, Issue 6, 2013, Pages 730-738. (JCR)
23	<b>Faramarz Ashenai Ghasemi*</b> , Reza Ansari, Rahim Bakhodai Paskiabi <b>Free vibration analysis of truncated conical fiber metal laminate (FML) shells</b> <i>Mechanics &amp; Industry</i> , Volume 14, Issue 5, 2013, Pages 367-382. (JCR)
22	<b>Faramarz Ashenai Ghasemi*</b> , Reza Paknejad, Keramat Malekzadeh Fard <b>Effects of geometrical and material parameters on free vibration analysis of fiber metal laminated plates</b> <i>Mechanics &amp; Industry</i> , Volume 14, Issue 4, 2013, Pages 229-238. (JCR)
21	<b>F. Ashenai Ghasemi*</b> , M. Eslami Farsani <b>Effect of nano-CaCO<sub>3</sub> on dynamic mechanical properties of polypropylene</b> <i>The Modares Journal of Mechanics Engineering</i> , Volume 13, Issue 6, 2013, Pages 1-10. (ISC) (In Persian)
20	<b>Faramarz Ashenai Ghasemi*</b> , Gholamhassan Payganeh, Mahdi Rahmani <b>The effect of stearic acid surface-modified calcium carbonate nanoparticles and PP-g-MA on the mechanical properties of PP/CaCO<sub>3</sub>/PP-g-MA nanocomposites</b> <i>The Modares Journal of Mechanics Engineering</i> , Volume 13, Issue 4, 2013, Pages 139-152. (ISC) (In Persian)
19	<b>F. Ashenai Ghasemi*</b> , K. Malekzadeh Fard, Reza Paknejad <b>Dynamic response of cantilever fiber metal laminate (FML) plates using an analytical-numerical method</b> <i>The Modares Journal of Mechanics Engineering</i> , Volume 13, Issue 3, 2013, Pages 57-67. (ISC) (In Persian)

18	Gholamhassan Payganeh*, Faramarz Ashenai Ghasemi, Patvaneh Afshari <b>Experimental analysis of mechanical properties of PP nanocomposites based on polypropylene/waste rubber/nano CaCO<sub>3</sub></b> <i>The Iran Journal of Mechanical Engineering</i> , Volume 15, Issue 1, 2013, Pages 82-99. (ISC) (In Persian)
17	Faramarz Ashenai Ghasemi*, Sedigh Raissi, Keramat Malekzadehfard <b>Analytical and mathematical modeling and optimization of fiber metal laminates (FMLs) subjected to low-velocity impact via combined response surface regression and zero-one programming</b> <i>Latin American Journal of Solids and Structures</i> , Volume 10, Issue 2, 2013, Pages 391-408. (JCR)
16	Faramarz Ashenai Ghasemi*, Reza Paknejad, Keramat Malekzadeh Fard, Nasrollah Banimostafa Arab <b>Impact response of cantilever fiber metal laminate (FML) plates using a coupled analytical-numerical method</b> <i>Research Journal of Applied Sciences, Engineering and Technology</i> , Volume 7, Issue 21, 2013, Pages 53-58. (ISI)
15	Faramarz Ashenai Ghasemi*, Ahmad Fallah Rahmatabadi, Gholamhassan Payganeh, Ali Pourkamali Anaraki <b>An experimental study on the tensile behavior of the cracked aluminum plates repaired by fiber metal laminate (FML) patches</b> <i>Mechanics &amp; Industry</i> , Volume 14, Issue 1, 2013, Pages 53-58. (JCR)
14	Faramarz Ashenai Ghasemi*, Gholamhassan Payganeh, Mehdi Rahmani, Mohammad Reza Kalaei <b>Investigating the effects of waste ground rubber tire powder and PP-g-MA compatibilizer on the mechanical properties of PP/WASTE ground rubber tire (WGRT) powder/PPg-MA composites</b> <i>Digest Journal of Nanomaterials and Biostructures</i> , Volume 7, Issue 4, 2012, Pages 1859-1868. (JCR)
13	Gholamhassan Payganeh*, Faramarz Ashenai Ghasemi, Ali Pourkamali Anaraki, Ahmad Fallah Rahmatabadi <b>Numerical analysis for determination of the J integral and crack opening displacement in the cracked aluminum plates repaired with FML composite patches</b> <i>Journal of Applied Sciences</i> , Volume 12, Issue 21, 2012, Pages 2259-2265. (ISI)
12	Hedi Ahmadi, Nasrollah Bani Mostafa Arab*, Faramarz Ashenai Ghasemi <b>Application of Taguchi method to optimize friction stir welding parameters for polypropylene composite lap joints</b> <i>Archives Des Sciences</i> , Volume 65, Issue 7, 2012, Pages 59-74. (JCR)
11	Faramarz Ashenai Ghasemi*, Reza Ansari, Rahim Bakhoday Paskiaby <b>Free vibration analysis of truncated conical composite shells using the Galerkin method</b> <i>Journal of Applied Sciences</i> , Volume 12, Issue 7, 2012, Pages 698-701. (ISI)
10	H. Ahmadi*, N. B. Mostafa Arab, F. Ashenai Ghasemi, R. Eslami Farsani <b>Influence of pin profile on quality of friction stir lap welds in carbon fiber reinforced polypropylene composite</b> <i>International Journal of Mechanics and Applications</i> , Volume 2, Issue 3, 2012, Pages 1-5.
9	Faramarz Ashenai Ghasemi*, A. Hyvadi, Gholamhassan Payganeh, N. B. M. Arab <b>Effects of drilling parameters on delamination of glass-epoxy composites</b> <i>Australian Journal of Basic and Applied Sciences</i> , Vol. 5, Issue 12, 2011, Pages 1433-1440. (ISI)
8	G. H. Payganeh, N. B. Mostafa Arab*, Y. Dadgar Asl, F. A. Ghasemi, M. Saiedi Boroujeni <b>Effects of friction stir welding process parameters on appearance and strength of polypropylene composite welds</b> <i>International Journal of the Physical Sciences</i> , Volume 6, Issue 19, 2011, Pages 4595-4601.
7	G. H. Payeganeh, F. Ashenai Ghasemi*, K. Malekzadeh <b>Dynamic response of fiber-metal laminates (FMLs) subjected to low-velocity impact</b> <i>Thin-Walled Structures</i> , Volume 48, Issue 1, 2010, Pages 62-70. (JCR)
6	F. Ashenai Ghasemi*, A. Shokuhfar, S. M. R. Khalili, K. Malekzadehfard <b>The effects of some physical and geometrical parameters on improvement of the impact response of smart composite structures</b> <i>International Journal of Mathematical Models and Methods in Applied Sciences</i> , Volume 3, Issue 3, 2009, Pages 206-274. (SCOPUS)
5	A. Shokuhfar*, S. M. R. Khalili, F. Ashenai Ghasemi, K. Malekzadeh, S. Raissi <b>Analysis and optimization of smart hybrid composite plates subjected to low-velocity impact using the response surface methodology (RSM)</b> <i>Thin-Walled Structures</i> , Volume 46, Issue 11, 2008, Pages 1204-1212. (JCR)

4	S. M. R. Khalili*, A. Shokuhfar, <b>F. Ashenai Ghasemi</b> , K. Malekzadeh <b>Dynamic response of smart hybrid composite plate subjected to low-velocity impact</b> <i>Journal of Composite Materials</i> , Volume 41, Issue 19, 2007, Pages 2347-2370. (JCR)
3	A. Shokuhfar, S. M. R. Khalili, <b>F. Ashenai Ghasemi</b> <b>The role of some effective parameters on the impact response of the smart hybrid composite plates</b> <i>Journal of Faculty of Engineering: University of Tehran</i> , Volume 41, Issue 4, 2007, Pages 459-471. (ISC) (In Persian)
2	S. M. R. Khalili*, A. Shokuhfar, K. Malekzadeh, <b>F. Ashenai Ghasemi</b> <b>Low-velocity impact response of active thin-walled hybrid composite structures embedded with SMA wires</b> <i>Thin-Walled Structures</i> , Volume 45, Issue 9, 2007, Pages 799-808. (JCR)
1	S. M. R. Khalili*, A. Shokuhfar, <b>F. Ashenai Ghasemi</b> <b>Effect of smart stiffening procedure on low-velocity impact response of smart structures</b> <i>Journal of Materials Processing Technology</i> , Volume 190, Issues 1-3, 2007, Pages 142-152. (JCR)

## Publications

### b) Conference Papers

21	Sajad Mousavi Nejad Souq, <b>Faramarz Ashenai Ghasemi</b> *, Mir Masoud Seyyed Fakhreabadi <b>Mechanical properties of Fe nanowires under uniaxial tests: A molecular dynamic study</b> <i>3rd National Conference on Computational and Experimental Mechanics</i> , SRTTU, Tehran, Iran, March 4, 2021.
20	Sajad Mousavi Nejad Souq, <b>Faramarz Ashenai Ghasemi</b> *, Mir Masoud Seyyed Fakhreabadi <b>Comparative study of the effect of cracks on the natural frequencies of nanowires using molecular dynamics simulation and finite element method</b> <i>3rd National Conference on Computational and Experimental Mechanics</i> , SRTTU, Tehran, Iran, March 4, 2021.
19	Amir Bakhtiari, <b>Faramarz Ashenai Ghasemi</b> , Ghasem Naderi, Mohammad Reza Nakhaei* <b>Investigation of tensile strength and impact strength of nanocomposites based on PP/NBR/HN</b> <i>13<sup>th</sup> International Seminar on Polymer Science and Technology</i> , Amirkabir University of Technology, Tehran, Iran, Nov. 19-22, 2018.
18	<b>Faramarz Ashenai Ghasemi</b> *, Ismail Ghasemi, Sajad Daneshpayeh <b>Tensile strength and elastic modulus of nanocomposites based on polypropylene/linear low density polyethylene/titanium dioxide nanoparticles</b> <i>International Conference on Aerospace, Mechanical, Automotive and Materials Engineering, (ICAMAME 2015)</i> , Dubai, UAE, Dec. 23-24, 2015.
17	<b>F. Ashenai Ghasemi</b> *, M. Rahmani, Gh. Payganeh, M. R. Kalaee <b>Effect of surface modification of calcium carbonate nanoparticles using stearic acid on their distribution and dispersion in the polypropylene matrix</b> <i>The 3<sup>rd</sup> International Conference on Composites: Characterization, Fabrication and Application (CCFA-3)</i> , Tehran, Iran, Dec. 18-19, 2012.
16	F. Kordestani*, N. B. Mostafa Arab, <b>F. Ashenai Ghasemi</b> , R. Eslami Farsani <b>Experimental investigation of pin geometry influence on impact strength of friction stir welds in polypropylene composites</b> <i>The 1<sup>st</sup> International and 6<sup>th</sup> Joint Conference of Iranian Metallurgical Engineering Society and Iranian Foundry Men's Society</i> , Tehran, Iran, Nov. 6-8, 2012.
15	H. Ahmadi*, N. B. Mostafa Arab, <b>F. Ashenai Ghasemi</b> <b>Process parameters optimization for friction stir lap welding of polypropylene composite using Taguchi method</b> <i>20<sup>th</sup> Annual International Conference on Mechanical Engineering-ISME2012</i> , School of Mechanical Eng., Shiraz university, Shiraz, Iran, May 16-18, 2012.
14	<b>F. Ashenai Ghasemi</b> *, F. Kordestani, M. R. Nakhaei <b>Comparison of RSM with ANN in predicting fatigue and impact behavior of MIG welded AA6061 aluminum alloy joints</b> <i>20<sup>th</sup> Annual International Conference on Mechanical Engineering-ISME2012</i> , School of Mechanical Eng., Shiraz university, Shiraz, Iran, May 16-18, 2012.

13	A. Pourkamali Anaraki*, G. H. Payganeh, <b>F. Ashena Ghasemi</b> , A. Fallah <b>An experimental study on the tensile behavior of the cracked aluminum plates repaired with FML composite patches</b> <i>World Academy of Science, Engineering and Technology, UAE</i> , January 29-30, 2012.
12	F. Kordestani*, N. B. Mostafa Arab, <b>F. Ashenai Ghasemi</b> , R. Eslami Farsani <b>Experimental investigation of pin geometry influence on tensile strength of friction stir welds in polypropylene composites</b> <i>3<sup>rd</sup> International Conference on Manufacturing Engineering ICME2011</i> , Tehran, Iran, 27-29 December 2011.
11	H. Ahmadi*, N. B. Mostafa Arab, <b>F. Ashenai Ghasemi</b> , R. E. Farsani <b>Taguchi optimization of process parameters in friction stir lap welding of polypropylene composite</b> <i>3<sup>rd</sup> International Conference on Manufacturing Engineering ICME2011</i> , Tehran, Iran, 27-29 December 2011.
10	H. Ahmadi*, N. B. M. Arab, <b>F. A. Ghasemi</b> , R. E. Farsani <b>Effect of pin geometry on surface appearance and tensile shear strength of friction stir polypropylene composite welds</b> <i>International Congress on Advances in Welding Science and Technology for Construction, Energy and Transportation Systems (AWST - 2011)</i> , Antalya, Turkey, October 24-25, 2011.
9	<b>Faramarz Ashenai Ghasemi*</b> , Lotfali Mozafari Vanani, Ali Pourkamali Anaraki <b>A study on the Charpy impact response of the cracked aluminum plates repaired with FML composite patches</b> <i>4<sup>th</sup> EUROPEAN CONFERENCE FOR AEROSPACE SCIENCES (EUCASS 2011)</i> , Saint Petersburg, Russia, July 4–8, 2011.
8	<b>F. Ashenai Ghasemi*</b> , Gh. Payeganeh, K. Malekzadehfard <b>A study on modelling and simulation of dynamic behavior of fiber metal laminates (FMLs) under low-velocity impact</b> <i>30<sup>th</sup> Conference on Modelling, Identification, and Control (AsiamIC 2010)</i> , Phuket, Thailand, Nov. 24–26, 2010.
7	M. Saeidi Boroujeni*, N. B. Mostafa Arab, <b>F. Ashenai Ghasemi</b> <b>A study of FSW process parameters effects on mechanical properties of PP composites</b> <i>11<sup>th</sup> Iranian Conference on Manufacturing Engineering</i> , University of Tabriz, Tabriz, Iran, 19-21 Oct., 2010.
6	M. Saeidi Boroujeni*, N. B. Mostafa Arab, <b>F. A. Ghasemi</b> , Gh. Payganeh <b>The effect of pin geometry on mechanical properties of PP composite friction stir welds</b> <i>International Congress on Welding &amp; Joining (IWC)</i> , Tehran, Iran, 30 Nov.- 3 Dec., 2009.
5	<b>F. Ashenai Ghasemi*</b> , G. H. Payeganeh, K. Malekzadeh, A. Shokouhfar, S. M. R. Khalili <b>Modeling &amp; simulation of the dynamic response of smart hybrid composite structures subjected to low-velocity impact</b> <i>11<sup>th</sup> WSEAS International Conference on AUTOMATIC CONTROL, MODELLING and SIMULATION (ACMOS '09)</i> , Istanbul, Turkey, May 30 - June 1, 2009.
4	S. M. R. Khalili*, A. Shokuhfar, <b>F. Ashenai Ghasemi</b> <b>The role of shape memory alloys on improvement of the impact response of smart composite structures</b> <i>Sixth International Symposium on Advanced Composites (COMP07)</i> , Corfu Imperial Hotel, Corfu, Greece, 16 – 18 May, 2007.
3	S. M. R. Khalili*, A. Shokuhfar, <b>F. Ashenai Ghasemi</b> , N. Ehsani <b>Analysis of smart hybrid composite plate under low velocity impact</b> <i>Sixth International Conference on Composite Science and Technology (ICCSST/6)</i> , Durban, South Africa, January 22-24, 2007.
2	S. M. R. Khalili*, <b>F. Ashenai Ghasemi</b> , A. Shokuhfar, K. Malekzadeh, N. Ehsani <b>Dynamic response of shape memory polymer composite plate in low velocity large mass impact</b> <i>International Conference on Composite Materials and nano-Structures (IC2MS-06)</i> , Concorde Hotel, Shah Alam, Selengor, Malaysia, April 25-29, 2006.
1	F. Khadem*, <b>Faramarz Ashenai Ghasemi</b> <b>Using Lgrange-type k-0 elements for solving Fredholm integral equations of the second kind</b> <i>International Conference, Dynamical Systems and Applications</i> , Turkey, July 5-10, 2004.

Present or Past Students Theses				
a) Ph.D. Students				
No.	Name	Thesis Title	Thesis Status	Position
18	Shabnam Bahadori Marghzar	Mechanical behavior of composite structures	2025-	
17	Sajjad Rezaie	Mechanical behavior of composite structures	2025-	
16	Samaneh Negahban	Mechanical behavior of composite structures	2024-	
15	Milad Karimi	Mechanical behavior of composite structures	2023-	Supervisor
14	Hossein Abolhassanpour	Mechanical behavior of composite structures	2020-Withdrawal	Supervisor
13	Iman Voghoofi	Mechanical behavior of composite structures	2020-	Supervisor
12	Mohammad Kazem Nikzad	Analysis of the effect of the type and shape of silica nanoparticles on the mechanical properties of nanocomposite with polylactic acid by laboratory method, molecular dynamics simulation and multi-scale modeling	2020-2025	Supervisor
11	Mohammad Sadegh Bagheri	Mechanical behavior of composite structures	2019-Withdrawal	Supervisor
10	Asma Ghanbari	Mechanical behavior of composite structures	2018-	Supervisor
9	Mohammad Mosayyebi	Vibration analysis of sandwich microplate sensors with magneto-rheological fluid core integrated with reinforced magnetostrictive layers by carbon nanotubes	2017-2024	Supervisor
8	Reza Paknejad	Analysis of low-velocity impact behavior of sandwich cylindrical shells containing fluid based on high-order shear deformation theory	2017-2023	Supervisor
7	Arash Mohammadi	Nonlinear vibration and stability analysis of a rotating axially moving circular cylindrical shell	2016-2020	Supervisor
6	Sajjad Daneshpayeh	Experimental Investigation and Optimization on Mechanical Properties of Nanocomposites based Polylactic Acid/Polyolefin Elastomer	2016-2022	Supervisor
5	Mohammad Reza Hadavi	Experimental and numerical analysis of corrosion-fatigue phenomenon of MIG welded and FSPed 5083 aluminum alloy in seawater	2015-2022	Supervisor
4	Seyyed Sajjad Mousavinejad Sough	The three-dimensional cracks in BCC crystal structures: a molecular dynamics simulation study to analyze the effect of the crack frontier	2015-2022	Supervisor

3	Majid Nouri Kamari	Mechanical behavior of composite structures	2014-2023	Supervisor
2	Milad Zamanian	Simulation and analysis of fracture toughness of epoxy-silica nanocomposites using multiscale modeling method	2013-2022	Supervisor
1	Amir Shekari	Mechanical behavior of sandwich structures	2013-Withdrawal	Supervisor

### Present or Past Students Theses

#### b) M. S. Students

No.	Name	Thesis Title	Thesis Status	Position
67	Yaser Khodaverdizadeh	Mechanical behavior of composite structures	2025	
66	Amir Mohammad Bahrami	Mechanical behavior of composite structures	2025	
65	Mohammad Lashani Zand	Mechanical behavior of composite structures	2024	
64	Mohammad Reza Ahmadian	Mechanical behavior of composite structures	2023	
63	Mohammad Hemmati	Mechanical behavior of composite structures	2023	
62	Rahim Zarrin Ghalam	Mechanical behavior of composite structures	2023	
61	Mohammad Norouzi	Mechanical behavior of composite structures	2022	
60	Mohammad Ali Soofi Maleki	Mechanical behavior of composite structures	2022	
59	Allireza Roostaei	Mechanical behavior of composite structures	2022	
58	Amin Kabki	Mechanical behavior of composite structures	2022	
57	Farshid Dalaki Nejad	Mechanical behavior of composite structures	2021	
56	Javad Ghaznavi	Mechanical behavior of composite structures	2021	
55	Seyyed Saied Abareh Dari	Mechanical behavior of composite structures	2021	

54	Mahmoud Nedaie Shekarab	Experimental analysis of mechanical properties and fracture behavior of un-vulcanized and dynamically vulcanized polypropylene/ethylene propylene diene monomer/ halloysite nanotube nanoparticles (PP/EPDM/HNT) nano-composites via the essential work of fracture (EWF) methodology	2020-2024	Supervisor
53	Mahdi Mahabadi	Experimental analysis of mechanical properties and fracture behavior of un-vulcanized and dynamically vulcanized polypropylene/ethylene propylene diene monomer/clay (PP/EPDM/Clay) nano-composites via the essential work of fracture (EWF) methodology	2020-2023	Supervisor
52	Seyyed Ali Sajjadi	Experimental analysis of fracture toughness of polyamide 6/ polyethylene octene grafted with maleic anhydride/ titanium dioxide ternary nanocomposite according to the essential work fracture method	2020-2023	Supervisor
51	Sadegh Hosseini	Study on mechanical behavior and essential work of fracture of Poly (lactic acid)/Thermoplastic polyurethane/halloysite ternary nano-composites	2019-2024	Supervisor
50	Hamid Kamalvand	Experimental analysis on the mechanical properties and microstructure of ternary nanocomposites of acrylonitrile butadiene styrene/styrene butadiene styrene/ halloysite nanotubes	2019-2023	Supervisor
49	Milad Souri Rudabadi	Experimental analysis on the microstructural, tensile, and fracture properties of biodegradable polylactic acid blended with thermoplastic corn starch filled with halloysite nanotubes	2019-2022	Supervisor
48	Behnam Kakeh	Analysis of fracture toughness and mechanical behavior of polypropylene / thermoplastic polyolefin elastomer / halloysite nanotubes nano-composites	2018-2022	Supervisor
47	Abuzar Fotoohi	Analysis of mechanical properties and fracture toughness of polypropylene based/ ethylene-vinyl acetate/ modified and unmodified exfoliated graphite filled nano-composites	2018-2022	Supervisor
46	Alireza Sadeghi	Analysis investigation on mechanical properties and fracture behavior of ternary nano-composites based on polypropylene/ TPO (thermoplastic polyolefin elastomers)/ fumed silica	2018-2021	Supervisor

45	Mahdi Vahdat	Vibration analysis in functionally graded plates reinforced with non-uniformly distributed graphene nanoplatelets (GPLs) based on strain gradient theory and sinusoidal plate theory	2017-2020	Supervisor
44	Hamidreza Talebi	Experimental analysis of mechanical and physical properties of chitosan biocomposites reinforced by nanocellulose	2017-2020	Supervisor
43	Mohammad Aghaie	Wave propagation analysis of functionally graded sandwich plates with non-uniform distributed graphene nanoplatelets (GPLs) using zigzag plate theory and modified couple stress theory	2017-2020	Supervisor
42	Hossain Aboulhossainpour	Nonlinear vibration and stability analysis of axially moving truncated conical shells	2017-2020	Supervisor
41	Poorya Poostan	Fabrication and analysis of composite bipolar plates with expanded graphite to increase conductivity of low temperature fuel cells	2016-2019	Supervisor
40	Asma Ghanbari	Investigation of the wear behavior of magnesium Mg-5Zn-1Y-xCa (x=0-1%) in simulated body fluid	2016-2018	Supervisor
39	Amir Bakhtiari	Investigation on mechanical properties of PP/NBR/HNT nanocomposites	2016-2018	Supervisor
38	Pouya Rajaei	Investigation on mechanical properties of polyester resin modified with SBR/ glass fibers/ fumed silica nanoparticles	2016-2018	Supervisor
37	Mohammad Hossain Saberian	Investigation on mechanical properties of epoxy resin/ XNBR/ graphene ternary nanocomposites	2015-2017	Supervisor
36	Mohammad Sadegh Bagheri	Experimental analysis of the mechanical properties of epoxy/ fiberglass/ nano-silica	2014-2017	Supervisor
35	Meysam Nouri Niaraki	The effect of graphene nanosheets and glass fibers on tensile and impact properties in polypropylene resin with EPDM elastomer	2014-2016	Supervisor
34	Mohammad Amin Foroutan Moharrami	Investigation on effects of welding process parameters on the mechanical properties of carbon steel-stainless dissimilar butt welded joints	2014-2016	Supervisor
33	Aram Osman Nejad	Experimental investigation of mechanical, thermal and physical properties of multiscale nanocomposites based on polypropylene/wood flour/ graphene	2013-2016	Supervisor
32	Fazel Fatemi	Improvement in mechanical properties of epoxy/ Kevlar/ modified graphene nanocomposites	2013-2016	Supervisor

31	Amin Ghorbani	Experimental analysis of mechanical properties of polypropylene/ glass fiber/ nano graphene nanocomposites	2013-2015	Supervisor
30	Saman Menbari	Comparison and experimental analysis of polypropylene/ talk graphene and polypropylene/ carbonate calcium/ graphene hybrid nanocomposites	2013-2015	Supervisor
29	Elghar Abdoullahi	Experimental analysis of mechanical behavior of composite plates in polymer fuel cells	2012-2015	Supervisor
28	Hossain Aliakbari	Experimental analysis of mechanical behavior of nano alumina based nanocomposites coatings on steel plates	2012-2015	Supervisor
27	Mahdi Basiri	Experimental analysis and optimization of polypropylene/graphene nanocomposites	2012-2015	Supervisor
26	Majid Siasari	Experimental and numerical analysis of mechanical properties of polypropylene/graphene nanocomposites	2012-2015	Supervisor
25	Gholamreza Bagheri	Experimental and numerical analysis of the tensile strength of the lateral notched aluminum plates reinforced by FML patches	2011-2014	Supervisor
24	Payam Rahmani	Experimental and numerical analysis of the buckling strength of the central notched aluminum plates reinforced by FML patches	2011-2014	Supervisor
23	Esmail Aligholizadeh Firozjaei	Experimental study of temperature effect on low-velocity impact response of notched aluminum plates repaired by FML composite patches	2011-2013	Supervisor
22	Ali Abedini Esfahlani	Mechanical behavior of composite structures	2010- Withdrawal	Supervisor
21	Ahmad Jafari	Experimental analysis of the effect of friction drilling parameters on AISI 4130	2010-2013	Supervisor
20	Hosssain Akbari	Prediction and investigation of defects of high strength aluminum in forward extrusion using FEM	2010-2013	Supervisor
19	Sajad Danesh Payeh	An analysis of mechanical properties of ternary nanocomposites based on polypropylene/ linear low density polyethylene/ nano titanium oxide	2010-2013	Supervisor
18	Mohammad Ali Khalili	Dynamic response of the curved sandwich beam subjected to low velocity radial impact using the equivalent spring mass model	2010-2013	Supervisor
17	Mahmoud Eslami Farsani	Experimental investigation of vibration behavior of PP/CaCo <sub>3</sub> nanocomposite beams	2010-2013	Supervisor

16	Amir Hossain Roozbahani	Modeling of mixed mode fatigue crack growth in aluminum panels repaired with FML composite patches using the extended finite element method (XFEM)	2009-2012	Supervisor
15	Adib Ghoraishi	Effect of nano-particle additives in properties and performance of metal forming	2009-2012	Supervisor
14	Kamel Azizpour	Experimental analysis of effect of friction stir welding parameters on mechanical properties of polypropylene nanocomposite butt joints	2009-2012	Co-Supervisor
13	Mahdi Rahmani	Experimental investigation of impact behavior of ternary nanocomposites based on polypropylene/ waste ground rubber tire powder/ nano-CaCO <sub>3</sub>	2009-2012	Supervisor
12	Hormoz Cheraghi	Analysis of mechanical properties of ternary nanocomposites based on polypropylene/ linear low density polyethylene/ nano CaCO <sub>3</sub>	2009-2012	Supervisor
11	Reza Paknejad	Dynamic response of cantilevered fiber metal laminates subjected to large-mass impact	2009-2012	Supervisor
10	Parvaneh Afshari	Experimental analysis of nanocomposites based on polypropylene/ waste ground rubber tire powder/ nano-clay	2009-2012	Supervisor
9	Rahim Bakhoday Paskiaby	Free vibration analysis of FML conical shells	2009-2012	Supervisor
8	Ahmad Fallah Rahmatabadi	Numerical and experimental analysis of tensile behavior of aluminum panels repaired with FML composite patches	2008-2012	Supervisor
7	Abbas Hyvadi	Numerical and experimental analysis of delamination in polymer composites drilling	2009-2012	Supervisor
6	Fatemeh Kordestani	Experimental analysis of mechanical properties of butt joint of friction stir welded polypropylene composites	2009-2012	Supervisor
5	Hedi Ahmadi	Experimental analysis of the effect of friction stir welding parameters on mechanical properties of polypropylene composite lap joints	2009-2012	Supervisor
4	Mohammad Rahmani Kalestan	Numerical and experimental analysis of mixed mode fatigue crack growth in aluminum panels repaired with FML composite patches	2008-2011	Supervisor
3	Lotfali Mozafari Vanani	Numerical and experimental investigations on the impact behavior of stiffened cracked aluminum plates repaired with FML composite patches	2008-2011	Supervisor
2	Mohammad Bagher Momeni	Experimental and numerical machining of AA 5083	2008-2011	Co-Supervisor

1	Masoud Sacidi Boroujeni	Experimental analysis of mechanical properties of friction stir welded thermoplastic composites	2007-2010	Supervisor
---	-------------------------	---	-----------	------------

### International Carriers

8	Journal Reviewer (Journal of Materials Processing Technology (JCR))
7	Journal Reviewer (Journal of Composite Structures (JCR))
6	Journal Reviewer (Journal of Polymer Composites (JCR))
5	Journal Reviewer (Journal of Intelligent Material Systems and Structures (JCR))
4	Journal Reviewer (Journal of Composite Materials (JCR))
3	Journal Reviewer (Journal of Materials Design (JCR))
2	Journal Reviewer (Journal of Composite Part B (JCR))
1	Journal Reviewer (Journal of Applied Mathematical Modeling (JCR))

### Professional social media

9	ORCID: <a href="http://orcid.org/0000-0002-4693-4373">http://orcid.org/0000-0002-4693-4373</a>
8	Google Scholar: <a href="https://scholar.google.com/citations?user=8eCmonYAAA AJ&amp;hl=en">https://scholar.google.com/citations?user=8eCmonYAAA AJ&amp;hl=en</a>
7	Scopus ID: <a href="https://www.scopus.com/authid/detail.uri?authorId=22633600300">https://www.scopus.com/authid/detail.uri?authorId=22633600300</a>
6	Publons: <a href="https://www.webofscience.com/wos/author/rid/F-5441-2012">https://www.webofscience.com/wos/author/rid/F-5441-2012</a>
5	LiveDNA: <a href="https://livedna.net/?dna=98.4452">https://livedna.net/?dna=98.4452</a>
4	ResearchGate: <a href="https://www.researchgate.net/profile/Faramarz-Ashenai-Ghasemi-2">https://www.researchgate.net/profile/Faramarz-Ashenai-Ghasemi-2</a>
3	Linkedin: <a href="https://www.linkedin.com/in/faramarz-ashenai-ghasemi-3492345b">https://www.linkedin.com/in/faramarz-ashenai-ghasemi-3492345b</a>
2	Semantic Scholar Profile: <a href="https://www.semanticscholar.org/author/Faramarz-Ashenai-Ghasemi/46462481">https://www.semanticscholar.org/author/Faramarz-Ashenai-Ghasemi/46462481</a>
1	Dana ISC ID: <a href="https://dana.isc.ac.ir/res/2227168">https://dana.isc.ac.ir/res/2227168</a>

### Nonacademic Records

4	Letter of Appreciation for Speech in “Enduring and Global Satire” from VP of Social and Cultural Affairs, June 2015
3	Letter of Appreciation for Speech in Publication Meeting in “Satire, Caricature and Humor” and Unveiling of the “Humorous-Satirical Works” Book from Scientific and Cultural Manager of Iran Pen Association, May 2015
2	Letter of Recognition from the First Iranian Press Festival, May 1994
1	TV and Magazines Journalist (1986-2001)

### Nonacademic Books

No.	Book Name	Writer	Translators	Publisher	Pub. No.	Pub. Year
1	Humorous-Satirical Works	Faramarz Ashenai Ghasemi	Abbas Ahmadi, Zahra Mirakhori, Zohreh Mosanna	Supreme Century	First	2014