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Associate Professor,

Mechanical Engineering Department

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Scopus h-index: 7

Google scholar h-index: 10

ACADEMIC RANK:

Associate Professor, 2014

Assistant Professor, 2009-2014

Lecturer, 1996-2014

EDUCATION

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

RESEARCH EXPERIENCE

Mechanical Behavior of Materials
Composite Materials
Impact Mechanics
Fracture Mechanics
Smart Structures

MEMBERSHIPS

Member of American Society of Mechanical Engineers (ASME)
Member of Iranian Society of Mechanical Engineers (ISME)
Member of Society of Manufacturing Engineering of Iran (SMEIR)

UNDERGRADUATE COURSES TAUGHT

Statics
Machine Dynamics
Engineering Drawings
AutoCAD
Differential Equations
General Workshop

GRADUATE AND POSTGRADUATE COURSES TAUGHT

Mechanics of Composite Materials
Mechanical Behavior of Materials

TEACHING IN UNIVERSITIES

Azad University, Tehran South Branch, Sep. 1996- Oct. 2014
Shahid Rajaee Teacher Training University, Sep. 1997- Now
Valiasr Technical Faculty, Jan. 2005- Dec. 2011

ADMINISTRATIVE ACTIVITIES

Head of Publication Office and Scientific-Research Journals, From 2013
Head of Publication and Scientific-Research Journals Office, From 2013
Executive Manager of Journal of Technology of Education-JTE, From 2013
Executive Manager of Journal of Computational and Applied Research in Mechanical Engineering-JCARME, From 2010
Head of Design of Solids Group, From 2010-2011
Head of Manufacturing and Production Group, From 2008-2013
Head of Engineering Drawing Group, From 2000-2001

AWARDS and HONORS

Top Researcher of the Mechanical Engineering Faculty of the SRTTU, Dec. 2016
Translator of the Year Book of the SRTTU, Dec. 2016
Letter of Appreciation from Vice-President of Education and Graduate Affairs of the SRTTU, May 2016
Letter of Appreciation from President of the SRTTU, Feb. 2016
Top Researcher of the SRTTU, Dec. 2015
Translator of the Year Book of the SRTTU, Dec. 2015
Executive Manager of the Top Journal of the SRTTU, Dec. 2015
Letter of Appreciation from VP of Research and Technology of the SRTTU, Dec. 2015
Letter of Appreciation for Speech in “Timeless and Global Satire” from VP of Social and Cultural Affairs of the SRTTU, June 2015
Letter of Appreciation from Vice-President of Education and Graduate Affairs of the SRTTU, April 2015
Letter of Appreciation from President of the SRTTU, April 2015
Top Researcher of the Mechanical Engineering Faculty of the SRTTU, Dec. 2014
Letter of Appreciation from VP of Research and Technology of the SRTTU, March 2014
Top Researcher of the SRTTU, Dec. 2013
Translator of the Year Book of the SRTTU, Dec. 2013
Executive Manager of the Top Journal of the SRTTU, Dec. 2013
Top Group Head of the SRTTU, 2013
Supervisor of the Superior M. S. Thesis of the SRTTU, Dec. 2012
Top Researcher of the Mechanical Engineering Faculty of the SRTTU, Dec. 2012
Top Instructor of the Mechanical Engineering Faculty of the SRTTU, Dec. 2012
Letter of Appreciation from the Seventh National Seminar of Promoting Nanotechnology Institutions, July 2011
Letter of Appreciation from the Fourth Movement Festival, June 2011
Top Group Head of the SRTTU, Sept. 2010
Letter of Appreciation from the Iran Aircraft Manufacturing Industrial Company, Feb. 2000

INVENTIONS

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

INTERNATIONAL CARRIERS

Journal Reviewer (Journal of Materials Processing Technology (ISI))
Journal Reviewer (Journal of Composite Structures (ISI))
Journal Reviewer (Journal of Intelligent Material Systems and Structures (ISI))
Journal Reviewer (Journal of Composite Materials (ISI))
Journal Reviewer (Journal of Materials Design (ISI))
Journal Reviewer (Journal of Composite Part B (ISI))

Journal Reviewer (Journal of Applied Mathematical Modeling (ISI))

RESEARCH PROJECTS

- Design and manufacturing of a steel mold for polymer based composites, 2016
- Comparing mechanical properties of PP based hybrid nanocomposites, 2016
- Design and manufacturing of composite bipolar plates for polymer low temperature fuel cells, 2016
- Analysis of strengthening of polymer based composites, 2015
- Numerical and experimental analysis of repaired cracked aluminum plates using FML patches under impact load, 2014
- Design and fabrication of abrasive flow machine, 2013
- Experimental analysis on machinability of composites, 2011
- Experimental analysis on weldability of composites, 2011

OTHER RESEARCH ACTIVITIES

- Member of Editorial Board of Journal of Computational and Applied Research in Mechanical Engineering (JCARME), 2014-
- Referee of Mechanics Technical Group of 11th to 16th Khwarizmi Youth Award, 2009-2014
- Science Committee Member of First National and International Conference on Conveyor Belt Systems with New Approach to Transportation of Material, 15-16 Feb. 2012
- Science Committee Member of 2nd and 3rd National Conference on Education, 2010-2011

PUBLICATIONS

a) Journals

No.	Papers
51.	Faramarz Ashenai Ghasemi* , Ismail Ghasemi, Amin Ghorbani Mechanical properties of nanocomposites based on polypropylene-linear low density polyethylene-titanium dioxide nano particles by response surface methodology <i>Tabriz Journal of Mechanical Engineering</i> , Volume 47, Issue 1, 2017(2), Pages 9-17. (ISC)
50.	Sajjad Daneshpayeh, Faramarz Ashenai Ghasemi* , Ismail Ghasemi Mechanical properties of nanocomposites based on polypropylene-linear low density polyethylene-titanium dioxide nano particles by response surface methodology <i>Tabriz Journal of Mechanical Engineering</i> , Volume 46, Issue 4, 2017(1), Pages 93-101. (ISC)
49.	Faramarz Ashenai Ghasemi* , A. Ghorbani, I. Ghasemi Mechanical, thermal and dynamic mechanical properties of PP/GF/xGnP nanocomposites <i>Mechanics of Composite Materials</i> , Volume 53, Issue 1, 2017 (3), Pages 131-138. (JCR)

48.	<p>Faramarz Ashenai Ghasemi*, Lotfali Mozaffari Vanani, Ali Pourkamali Anaraki, Sadigh Raissi</p> <p>Charpy impact response of the cracked aluminum plates repaired with FML patches using the response surface methodology</p> <p><i>Defence Science Journal</i>, Volume 66, Issue 5, 2016(9), Pages 536-545. (JCR)</p>
47.	<p>Fatemeh Kordestani, Faramarz Ashenai Ghasemi*, N. B. Mostafa Arab</p> <p>An investigation of FSW process parameters effects on mechanical properties of PP composites</p> <p><i>Mechanics & Industry</i>, Volume 17, Issue 6, 2016(9), Pages 611.1-611.8. (JCR)</p>
46.	<p>Saman Menbari, Faramarz Ashenai Ghasemi*, Ismail Ghasemi</p> <p>Simultaneous improvement in the strength and toughness of polypropylene by incorporating hybrid graphene/CaCO₃</p> <p><i>Polymer Testing</i>, Volume 54, 2016(9), Pages 281-287. (JCR)</p>
45.	<p>Faramarz Ashenai Ghasemi*, Lotfali Mozafari Vanani, Ali Pourkamali Anaraki</p> <p>A study on the Charpy impact response of the cracked aluminum plates repaired with FML composite patches</p> <p><i>Journal of Failure Analysis and Prevention</i>, Volume 16, Issue 4, 2016(8), Pages 594-600. (ISI)</p>
44.	<p>Faramarz Ashenai Ghasemi, Ismail Ghasemi, Saman Menbari, Mohsen Ayaz, Alireza Ashori*</p> <p>Optimization of mechanical properties of polypropylene/talc/graphene composites using response surface methodology</p> <p><i>Polymer Testing</i>, Volume 53, 2016(8), Pages 283-292. (JCR)</p>
43.	<p>Faramarz Ashenai Ghasemi*, Sajjad Daneshpayeh, Ismail Ghasemi, Mohsen Ayaz</p> <p>An investigation on the Young's modulus and impact strength of nanocomposites based on polypropylene/linear low-density polyethylene/titan dioxide (PP/LLDPE/TiO₂) using response surface methodology</p> <p><i>Polymer Bulletin</i>, Volume 73, 2016(6), Pages 1741-1760. (JCR)</p>
42.	<p>F. Ashenai Ghasemi*, P. Rahmani, A. Pourkamali Anaraki, Y. Alizadeh Vaghslou</p> <p>Experimental analysis of buckling strength of notched aluminum plates reinforced using fiber metal laminate (FML) patches</p> <p><i>Journal of Solid and Fluid Mechanics</i>, Volume 6, Issue 1, 2016(4), Pages 117-127. (ISC) (In Persian)</p>
41.	<p>Faramarz Ashenai Ghasemi*, Ismail Ghasemi, Mahdi Basiri</p> <p>Experimental analysis of mechanical properties of polypropylene in presence of graphene nano plates and polyolefin elastomer in different manufacturing times</p> <p><i>The Modares Journal of Mechanics Engineering</i>, Volume 15, Issue 11, 2016(1), Pages 225-232. (ISC) (In</p>

	Persian)
40.	Sajjad Daneshpayeh, Faramarz Ashenai Ghasemi , Ismail Ghasemi, Mohsen Ayaz* Predicting of mechanical properties of PP/LLDPE/TiO₂ nano-composites by response surface methodology <i>Composites Part B: Engineering</i> , Volume 84, 2016(1), Pages 109-120. (JCR)
39.	K. Malekzadeh Fard*, A. Veisi Ghorghabad, A. Azarnia, Faramarz Ashenai Ghasemi High order impact elastic analysis of circular thick cylindrical sandwich panels subjected to multi-mass impacts <i>Latin American Journal of Solids and Structures</i> , Volume 12, Issue 12, 2015(12), Pages 2281-2310. (JCR)
38.	Saman Menbari, Faramarz Ashenai Ghasemi* , Ismail Ghasemi Comparison of mechanical properties of hybrid nanocomposites of PP/talc/ graphene with PP/ graphene <i>The Modares Journal of Mechanics Engineering</i> , Volume 15, Issue 7, 2015(9), Pages 329-335. (ISC) (In Persian)
37.	Majid Ghadiri*, Keramat Malekzadeh, Faramarz Ashenai Ghasemi Free vibration of an axially preloaded laminated composite beam carrying a spring-mass-damper system with a non-ideal support <i>Jordan Journal of Mechanical and Industrial Engineering</i> , Volume 9, Issue 3, 2015(6), Pages 195-207. (ISI)
36.	F. Ashenai Ghasemi* , K. Malekzadeh Fard, M. A. Khalili Dynamic response of curved sandwich beam with a soft flexible core subjected to radial low velocity impact <i>Journal of Solid and Fluid Mechanics</i> , Volume 5, Issue 1, 2015(1), Pages 13-29. (ISC) (In Persian)
35.	Faramarz Ashenai Ghasemi* , Gholam Reza Bagheri, Ali Pourkamali Experimental analysis of tensile strength of lateral notched aluminum plates reinforced by the fiber metal laminate (FML) patches <i>The Modares Journal of Mechanics Engineering</i> , Volume 15, Issue 3, 2015(6), Pages 1-8. (ISC) (In Persian)
34.	Faramarz Ashenai Ghasemi* , Esmaeil Aligholizadeh, Ali Pourkamali Anaraki An experimental study of temperature effect on low-velocity impact response of notched aluminum plates repaired by FML composite patches <i>The Modares Journal of Mechanics Engineering</i> , Volume 14, Issue 9, 2014(11), Pages 175-182. (ISC) (In

	Persian)
33.	M. Rahmani Kalestan, H. Moayeri Kashani*, A. Pourkamali Anaraki, Faramarz Ashenai Ghasemi Experimental and numerical investigation of fatigue crack growth in aluminum plates repaired by FML composite patch <i>International Journal of Structural Integrity</i> , Volume 5, Issue 4, 2014(10), Pages 493-503. (SCOPUS)
32.	K. Malekzadeh Fard*, M. Livani, Faramarz Ashenai Ghasemi Improved high order free vibration analysis of thick double curved sandwich panels with transversely flexible cores <i>Latin American Journal of Solids and Structures</i> , Volume 11, Issue 12, 2014(9), Pages 2284-2307. (JCR)
31.	Lotfali Mozafari Vanani, Hamed Moayeri Kashani*, Ali Pourkamali Anaraki, Faramarz Ashenai Ghasemi Experimental and numerical investigation in failure of cracked aluminum plates repaired with bonded FML composite patch, under impact loading <i>Science and Engineering of Composite Materials</i> , Volume 21, Issue 4, 2014(8), Pages 242-252. (JCR)
30.	Faramarz Ashenai Ghasemi* , Ismail Ghasemi, Sajjade Daneshpayeh Mechanical and thermal properties of nanocomposites based on polypropylene/linear low density polyethylene/titanium dioxide <i>The Modares Journal of Mechanics Engineering</i> , Volume 14, Issue 3, 2014(5), Pages 103-109. (ISC) (In Persian)
29.	Reza Paknejad, Faramarz Ashenai Ghasemi* , Keramat Malekzadeh Fard Response of fully-clamped composite laminated plate subjected to low velocity impact using Galerkin method <i>The Modares Journal of Mechanics Engineering</i> , Volume 14, Issue 1, 2014(3), Pages 45-50. (ISC) (In Persian)
28.	K. Malekzadeh, A. Mozafari, Faramarz Ashenai Ghasemi* Free vibration response of a multilayer smart hybrid composite plate with embedded SMA wires <i>Latin American Journal of Solids and Structures</i> , Volume 11, Issue 2, 2014(3), Pages 279-298. (JCR)
27.	Faramarz Ashenai Ghasemi* , Ali Pourkamali, Amirhousain Rozbahani Using XFEM for investigating the crack growth of cracked aluminum plates repaired with fiber metal laminate (FML) patches <i>The Modares Journal of Mechanics Engineering</i> , Volume 13, Issue 14, 2014(2), Pages 15-27. (ISC) (In Persian)

	Persian)
26.	Mahdi Rahmani, Faramarz Ashenai Ghasemi* , Gholamhassan Payganeh Effect of surface modification of calcium carbonate nanoparticles on their dispersion in the polypropylene matrix using stearic acid <i>Mechanics & Industry</i> , Volume 15, Issue 1, 2014(1), Pages 63-67. (JCR)
25.	H. Ahmadi, N. B. Mostafa Arab*, F. Ashenai Ghasemi Optimization of process parameters for friction stir lap welding of carbon fiber reinforced thermoplastic composites by Taguchi method <i>Journal of Mechanical Science and Technology</i> , Volume 28, Issue 1, 2014(1), Pages 279-284. (JCR)
24.	H. Cheraghi, F. A. Ghasemi* , G. Payganeh Morphology and mechanical properties of PP/LLDPE blends and ternary PP/LLDPE/NANO-CaCO₃ composites <i>Strength of Materials</i> , Volume 45, Issue 6, 2013(11), Pages 730-738. (JCR)
23.	Faramarz Ashenai Ghasemi* , Reza Ansari, Rahim Bakhodai Paskiabi Free vibration analysis of truncated conical fiber metal laminate (FML) shells <i>Mechanics & Industry</i> , Volume 14, Issue 5, 2013(8), Pages 367-382. (JCR)
22.	Faramarz Ashenai Ghasemi* , Reza Paknejad, Keramat Malekzadeh Fard Effects of geometrical and material parameters on free vibration analysis of fiber metal laminated plates <i>Mechanics & Industry</i> , Volume 14, Issue 4, 2013(8), Pages 229-238. (JCR)
21.	F. Ashenai Ghasemi* , M. Eslami Farsani Effect of nano-CaCO₃ on dynamic mechanical properties of polypropylene <i>The Modares Journal of Mechanics Engineering</i> , Volume 13, Issue 6, 2013(8), Pages 1-10. (ISC) (In Persian)
20.	Faramarz Ashenai Ghasemi* , Gholamhassan Payganeh, Mahdi Rahmani The effect of stearic acid surface-modified calcium carbonate nanoparticles and PP-g-MA on the mechanical properties of PP/CaCO₃/PP-g-MA nanocomposites <i>The Modares Journal of Mechanics Engineering</i> , Volume 13, Issue 4, 2013(6), Pages 139-152. (ISC) (In Persian)
19.	F. Ashenai Ghasemi* , K. Malekzadeh Fard, Reza Paknejad Dynamic response of cantilever fiber metal laminate (FML) plates using an analytical-numerical method <i>The Modares Journal of Mechanics Engineering</i> , Volume 13, Issue 3, 2013(5), Pages 57-67. (ISC) (In Persian)

	Persian)
18.	Gholamhassan Payganeh*, Faramarz Ashenai Ghasemi , Patvaneh Afshari Experimental analysis of mechanical properties of PP nanocomposites based on polypropylene/waste rubber/nano CaCO₃ <i>The Iran Journal of Mechanical Engineering</i> , Volume 15, Issue 1, 2013(5), Pages 82-99. (ISC) (In Persian)
17.	Faramarz Ashenai Ghasemi* , Sedigh Raissi, Keramat Malekzadehfard 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 <i>Latin American Journal of Solids and Structures</i> , Volume 10, Issue 2, 2013(3), Pages 391-408. (JCR)
16.	Faramarz Ashenai Ghasemi* , Reza Paknejad, Keramat Malekzadeh Fard, Nasrollah Banimostafa Arab Impact response of cantilever fiber metal laminate (FML) plates using a coupled analytical-numerical method <i>Research Journal of Applied Sciences, Engineering and Technology</i> , Volume 7, Issue 21, 2013(1), Pages 53-58. (ISI)
15.	Faramarz Ashenai Ghasemi* , Ahmad Fallah Rahmatabadi, Gholamhassan Payganeh, Ali Pourkamali Anaraki An experimental study on the tensile behavior of the cracked aluminum plates repaired by fiber metal laminate (FML) patches <i>Mechanics & Industry</i> , Volume 14, Issue 1, 2013(1), Pages 53-58. (JCR)
14.	Faramarz Ashenai Ghasemi* , Gholamhassan Payganeh, Mehdi Rahmani, Mohammad Reza Kalaei 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 <i>Digest Journal of Nanomaterials and Biostructures</i> , Volume 7, Issue 4, 2012(10), Pages 1859-1868. (JCR)
13.	Gholamhassan Payganeh*, Faramarz Ashenai Ghasemi , Ali Pourkamali Anaraki, Ahmad Fallah Rahmatabadi Numerical analysis for determination of the J integral and crack opening displacement in the cracked aluminum plates repaired with FML composite patches <i>Journal of Applied Sciences</i> , Volume 12, Issue 21, 2012(11), Pages 2259-2265. (ISI)
12.	Hedi Ahmadi, Nasrollah Bani Mostafa Arab*, Faramarz Ashenai Ghasemi Application of Taguchi method to optimize friction stir welding parameters for polypropylene composite lap joints <i>Archives Des Sciences</i> , Volume 65, Issue 7, 2012(7), Pages 59-74. (JCR)

11.	<p>Faramarz Ashenai Ghasemi*, Reza Ansari, Rahim Bakhoday Paskiaby</p> <p>Free vibration analysis of truncated conical composite shells using the Galerkin method</p> <p><i>Journal of Applied Sciences</i>, Volume 12, Issue 7, 2012(5), Pages 698-701. (ISI)</p>
10.	<p>H. Ahmadi*, N. B. Mostafa Arab, F. Ashenai Ghasemi, R. Eslami Farsani</p> <p>Influence of pin profile on quality of friction stir lap welds in carbon fiber reinforced polypropylene composite</p> <p><i>International Journal of Mechanics and Applications</i>, Volume 2, Issue 3, 2012(3), Pages 1-5.</p>
9.	<p>Faramarz Ashenai Ghasemi*, A. Hyvadi, Gholamhassan Payganeh, N. B. M. Arab</p> <p>Effects of drilling parameters on delamination of glass-epoxy composites</p> <p><i>Australian Journal of Basic and Applied Sciences</i>, Vol. 5, Issue 12, 2011(12), Pages 1433-1440. (ISI)</p>
8.	<p>G. H. Payganeh, N. B. Mostafa Arab*, Y. Dadgar Asl, F. A. Ghasemi, M. Saeidi Boroujeni</p> <p>Effects of friction stir welding process parameters on appearance and strength of polypropylene composite welds</p> <p><i>International Journal of the Physical Sciences</i>, Volume 6, Issue 19, 2011(9), Pages 4595-4601. (Highly Cited)</p>
7.	<p>G. H. Payeganeh, F. Ashenai Ghasemi*, K. Malekzadeh</p> <p>Dynamic response of fiber-metal laminates (FMLs) subjected to low-velocity impact</p> <p><i>Thin-Walled Structures</i>, Volume 48, Issue 1, 2010(1), Pages 62-70. (JCR) (Hot Paper) (Highly Cited)</p>
6.	<p>F. Ashenai Ghasemi*, A. Shokuhfar, S. M. R. Khalili, K. Malekzadehfard</p> <p>The effects of some physical and geometrical parameters on improvement of the impact response of smart composite structures</p> <p><i>International Journal of Mathematical Models and Methods in Applied Sciences</i>, Volume 3, Issue 3, 2009(9), Pages 206-274. (SCOPUS)</p>
5.	<p>A. Shokuhfar*, S. M. R. Khalili, F. Ashenai Ghasemi, K. Malekzadeh, S. Raissi</p> <p>Analysis and optimization of smart hybrid composite plates subjected to low-velocity impact using the response surface methodology (RSM)</p> <p><i>Thin-Walled Structures</i>, Volume 46, Issue 11, November 2008, Pages 1204-1212. (JCR) (Hot Paper) (Highly Cited)</p>
4.	<p>S. M. R. Khalili*, A. Shokuhfar, F. Ashenai Ghasemi, K. Malekzadeh</p> <p>Dynamic response of smart hybrid composite plate subjected to low-velocity impact</p> <p><i>Journal of Composite Materials</i>, Volume 41, Issue 19, 12 October 2007, Pages 2347-2370. (JCR) (Highly Cited)</p>
3.	<p>A. Shokuhfar, S. M. R. Khalili, F. Ashenai Ghasemi*</p>

	<p>The role of some effective parameters on the impact response of the smart hybrid composite plates <i>Journal of Faculty of Engineering: University of Tehran</i>, Volume 41, Issue 4, November 2007, Pages 459-471. (ISC) (In Persian)</p>
2.	<p>S. M. R. Khalili*, A. Shokuhfar, K. Malekzadeh, F. Ashenai Ghasemi Low-velocity impact response of active thin-walled hybrid composite structures embedded with SMA wires <i>Thin-Walled Structures</i>, Volume 45, Issue 9, September 2007, Pages 799-808. (JCR) (Highly Cited)</p>
1.	<p>S. M. R. Khalili*, A. Shokuhfar, F. Ashenai Ghasemi Effect of smart stiffening procedure on low-velocity impact response of smart structures <i>Journal of Materials Processing Technology</i>, Volume 190, Issues 1-3, 23 July 2007, Pages 142-152. (JCR) (Highly Cited)</p>

b) Conferences

No.	Papers
18.	<p>Faramarz Ashenai Ghasemi*, Ismail Ghasemi, Sajad Daneshpayeh Tensile strength and elastic modulus of nanocomposites based on polypropylene/linear low density polyethylene/titanium dioxide nanoparticles <i>International Conference on Aerospace, Mechanical, Automotive and Materials Engineering, (ICAMAME 2015)</i>, Dubai, UAE, Dec. 23-24, 2015.</p>
17.	<p>F. Ashenai Ghasemi*, M. Rahmani, Gh. Payganeh, M. R. Kalaei Effect of surface modification of calcium carbonate nanoparticles using stearic acid on their distribution and dispersion in the polypropylene matrix <i>The 3rd International Conference on Composites: Characterization, Fabrication and Application (CCFA-3)</i>, Tehran, Iran, Dec. 18-19, 2012.</p>
16.	<p>F. Kordestani*, N. B. Mostafa Arab, F. Ashenai Ghasemi, R. Eslami Farsani Experimental investigation of pin geometry influence on impact strength of friction stir welds in polypropylene composites <i>The 1st International and 6th Joint Conference of Iranian Metallurgical Engineering Society and Iranian Foundry Men's Society</i>, Tehran, Iran, Nov. 6-8, 2012.</p>
15.	<p>H. Ahmadi*, N. B. Mostafa Arab, F. Ashenai Ghasemi Process parameters optimization for friction stir lap welding of polypropylene composite using Taguchi method <i>20th Annual International Conference on Mechanical Engineering-ISME2012</i>, School of Mechanical Eng., Shiraz university, Shiraz, Iran, May 16-18, 2012.</p>

14.	<p>F. Ashenai Ghasemi*, F. Kordestani, M. R. Nakhaei</p> <p>Comparison of RSM with ANN in predicting fatigue and impact behavior of MIG welded AA6061 aluminum alloy joints</p> <p><i>20th Annual International Conference on Mechanical Engineering-ISME2012</i>, School of Mechanical Eng., Shiraz university, Shiraz, Iran, May 16-18, 2012.</p>
13.	<p>A. Pourkamali Anaraki*, G. H. Payganeh, F. Ashena Ghasemi, A. Fallah</p> <p>An experimental study on the tensile behavior of the cracked aluminum plates repaired with FML composite patches</p> <p><i>World Academy of Science, Engineering and Technology</i>, UAE, January 29-30, 2012.</p>
12.	<p>F. Kordestani, N. B. Mostafa Arab, F. Ashenai Ghasemi, R. Eslami Farsani</p> <p>Experimental investigation of pin geometry influence on tensile strength of friction stir welds in polypropylene composites</p> <p><i>3rd International Conference on Manufacturing Engineering ICME2011</i>, Tehran, Iran, 27-29 December 2011.</p>
11.	<p>H. Ahmadi*, N. B. Mostafa Arab, F. Ashenai Ghasemi, R. E. Farsani</p> <p>Taguchi optimization of process parameters in friction stir lap welding of polypropylene composite</p> <p><i>3rd International Conference on Manufacturing Engineering ICME2011</i>, Tehran, Iran, 27-29 December 2011.</p>
10.	<p>H. Ahmadi*, N. B. M. Arab, F. A. Ghasemi, R. E. Farsani</p> <p>Effect of pin geometry on surface appearance and tensile shear strength of friction stir polypropylene composite welds</p> <p><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.</p>
9.	<p>Faramarz Ashenai Ghasemi*, Lotfali Mozafari Vanani, Ali Pourkamali Anaraki</p> <p>A study on the Charpy impact response of the cracked aluminum plates repaired with FML composite patches</p> <p><i>4th EUROPEAN CONFERENCE FOR AEROSPACE SCIENCES (EUCASS 2011)</i>, Saint Petersburg, Russia, July 4–8, 2011.</p>
8.	<p>F. Ashenai Ghasemi*, Gh. Payeganeh, K. Malekzadehfard</p> <p>A study on modelling and simulation of dynamic behavior of fiber metal laminates (FMLs) under low-velocity impact</p> <p><i>30th Conference on Modelling, Identification, and Control (AsiaMIC 2010)</i>, Phuket, Thailand, Nov. 24–26, 2010.</p>

7.	M. Saeidi Boroujeni*, N. B. Mostafa Arab, F. Ashenai Ghasemi A study of FSW process parameters effects on mechanical properties of PP composites <i>11th Iranian Conference on Manufacturing Engineering</i> , University of Tabriz, Tabriz, Iran, 19-21 Oct., 2010.
6.	M. Saeidi Boroujeni*, N. B. Mostafa Arab, F. A. Ghasemi , Gh. Payganeh The effect of pin geometry on mechanical properties of PP composite friction stir welds <i>International Congress on Welding & Joining (IIWC)</i> , Tehran, Iran, 30 Nov.- 3 Dec., 2009.
5.	F. Ashenai Ghasemi* , G. H. Payeganeh, K. Malekzadeh, A. Shokouhfar, S. M. R. Khalili Modeling & simulation of the dynamic response of smart hybrid composite structures subjected to low-velocity impact <i>11th 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, F. Ashenai Ghasemi The role of shape memory alloys on improvement of the impact response of smart composite structures <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, F. Ashenai Ghasemi , N. Ehsani Analysis of smart hybrid composite plate under low velocity impact <i>Sixth International Conference on Composite Science and Technology (ICCST/6)</i> , Durban, South Africa, January 22-24, 2007.
2.	S. M. R. Khalili*, F. Ashenai Ghasemi , A. Shokuhfar, K. Malekzadeh, N. Ehsani Dynamic response of shape memory polymer composite plate in low velocity large mass impact <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*, Faramarz Ashenai Ghasemi Using Lgrange-type k-0 elements for solving Fredholm integral equations of the second kind <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
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7.	Arash Mohammadi	Mechanical behavior of composite structures	In progress	Supervisor
6.	Sajjad Daneshpayeh	Mechanical behavior of composite structures	In progress	Supervisor
5.	Mohammad Reza Hadavi	Mechanical behavior of composite structures	In progress	Supervisor
4.	Seyyed Sajjad Mousavinejad Sough	Mechanical behavior of composite structures	In progress	Supervisor
3.	Majid Nouri Kamari	Mechanical behavior of composite structures	In progress	Supervisor
2.	Milad Zamanian	Mechanical behavior of composite structures	In progress	Supervisor
1.	Amir Shekari	Mechanical behavior of sandwich structures	In progress	Supervisor

b) M.S. Students

No.	Name	Thesis Title	Thesis Status	Position
41.	Asma Ghanbari		In progress	Supervisor
40.	Mohammad Javad Hatami Kalashtari		In progress	Supervisor
39.	Amir Bakhtiari		In progress	Supervisor
38.	Pouya Rajaei		In progress	Supervisor
37.	Mohammad Hossain Saberian		In progress	Supervisor
36.	Masoud Mahdavinia		In progress	Supervisor
35.	Mohammad Sadegh Bagheri		Completed on: Feb. 2016	Supervisor
34.	Meysam Nouri Niaraki		Completed on: Sept. 2013	Supervisor

33.	Mohammad Amin Foroutan Moharrami		Completed on: Sept. 2013	Supervisor
32.	Aram Osman Nejad	Experimental investigation of mechanical, thermal and physical properties of multiscale nanocomposites based on polypropylene/wood flour/ graphene	Completed on: March 2016	Supervisor
31.	Fazel Fatemi	Improvement in mechanical properties of epoxy/ Kevlar/ modified graphene nanocomposites	Completed on: Feb. 2016	Supervisor
30.	Amin Ghorbani	Experimental analysis of mechanical properties of polypropylene/ glass fiber/ nano graphene nanocomposites	Completed on: Oct. 2015	Supervisor
29.	Saman Menbari	Comparison and experimental analysis of polypropylene/ talk graphene and polypropylene/ carbonate calcium/ graphene hybrid nanocomposites	Completed on: Oct. 2015	Supervisor
28.	Elghar Abdollahi	Experimental analysis of mechanical behavior of composite plates in polymer fuel cells	Completed on: Oct. 2015	Supervisor
27.	Hossain Aliakbari	Experimental analysis of mechanical behavior of nano alumina based nanocomposites coatings on steel plates	Completed on: Aug. 2015	Supervisor
26.	Mahdi Basiri	Experimental analysis and optimization of polypropylene/graphene nanocomposites	Completed on: April 2015	Supervisor
25.	Majid Siasari	Experimental and numerical analysis of mechanical properties of polypropylene/graphene nanocomposites	Completed on: March 2015	Supervisor
24.	Gholamreza Bagheri	Experimental and numerical analysis of the tensile strength of the lateral notched aluminum plates reinforced by FML patches	Completed on: Jun. 2014	Supervisor
23.	Payam Rahmani	Experimental and numerical analysis of the buckling strength of the central notched aluminum plates reinforced by FML patches	Completed on: Jun. 2014	Supervisor

22.	Esmail Aligholizadeh Firozjaei	Experimental study of temperature effect on low-velocity impact response of notched aluminum plates repaired by FML composite patches	Completed on: Sept. 2013	Supervisor
21.	Ahmad Jafari	Experimental analysis of the effect of friction drilling parameters on AISI 4130	Completed on: Mar. 2013	Supervisor
20.	Hossain Akbari	Prediction and investigation of defects of high strength aluminum in forward extrusion using FEM	Completed on: Mar. 2013	Supervisor
19.	Sajad Danesh Payeh	An analysis of mechanical properties of ternary nanocomposites based on polypropylene/ linear low density polyethylene/ nano titanium oxide	Completed on: Feb. 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	Completed on: Feb. 2013	Supervisor
17.	Mahmoud Eslami Farsani	Experimental investigation of vibration behavior of PP/CaCO ₃ nanocomposite beams	Completed on: Feb. 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 (X-FEM)	Completed on: Jul. 2012	Supervisor
15.	Adib Ghoraiishi	Effect of nano-particle additives in properties and performance of metal forming	Completed on: Jul. 2012	Supervisor
14.	Kamel Azizpour	Experimental analysis of effect of friction stir welding parameters on mechanical properties of polypropylene nanocomposite butt joints	Completed on: Jun. 2012	Co-Supervisor
13.	Mahdi Rahmani	Experimental investigation of impact behavior of ternary nanocomposites based on polypropylene/ waste ground rubber tire powder/ nano-CaCO ₃	Completed on: Jun. 2012	Supervisor
12.	Hormoz	Analysis of mechanical properties of ternary	Completed on:	Supervisor

	Cheraghi	nanocomposites based on polypropylene/ linear low density polyethylene/ nano CaCO ₃	Jun. 2012	
11.	Reza Paknejad	Dynamic response of cantilevered fiber metal laminates subjected to large-mass impact	Completed on: Jun. 2012	Supervisor
10.	Parvaneh Afshari	Experimental analysis of nanocomposites based on polypropylene/ waste ground rubber tire powder/ nano-clay	Completed on: Jun. 2012	Supervisor
9.	Rahim Bakhoday Paskiaby	Free vibration analysis of FML conical shells	Completed on: Feb. 2012	Supervisor
8.	Ahmad Fallah Rahmatabadi	Numerical and experimental analysis of tensile behavior of aluminum panels repaired with FML composite patches	Completed on: Jan. 2012	Supervisor
7.	Abbas Hyvadi	Numerical and experimental analysis of delamination in polymer composites drilling	Completed on: Feb. 2012	Supervisor
6.	Fatemeh Kordestani	Experimental analysis of mechanical properties of butt joint of friction stir welded polypropylene composites	Completed on: Feb. 2012	Supervisor
5.	Hedi Ahmadi	Experimental analysis of the effect of friction stir welding parameters on mechanical properties of polypropylene composite lap joints	Completed on: Feb. 2012	Supervisor
4.	Mohammad Rahmani Kalestan	Numerical and experimental analysis of mixed mode fatigue crack growth in aluminum panels repaired with FML composite patches	Completed on: Sept. 2011	Supervisor
3.	Lotfali Mozafari Vanani	Numerical and experimental investigations on the impact behavior of stiffened cracked aluminum plates repaired with FML composite patches	Completed on: Jul. 2011	Supervisor
2.	Mohammad Bagher Momeni	Experimental and numerical machining of AA 5083	Completed on: Apr. 2011	Co-Supervisor

1.	Masoud Saeidi Boroujeni	Experimental analysis of mechanical properties of friction stir welded thermoplastic composites	Completed on: Sept. 2010	Supervisor