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University of Sistan and Baluchestan, Daneshgah Ave., Zahedan,
Iran.

Education

- ✓ B.Sc, Materials Engineering, Sistan and Baluchestan University - 2009
- ✓ MS, Materials Engineering, University of Tehran - 2011
- ✓ PhD, Materials Engineering, K. N. Toosi University of Technology - 2016

Courses

- | | |
|------------------------------------|------------------------------------|
| 1. POLYMERS | 2. solidification and casting lab. |
| 3. Solidification of Metals | 4. solidification LAB |
| 5. Selection of metallic Materials | 6. Advanced Thermodynamics |
| 7. Thermodynamic of nano systems | 8. MATERIALS THERMODYNAMICS I |

Master Thesis

1. Fabrication and study of mechanical properties of bimetallic Al/Mg matrix with alumina (Al₂O₃) reinforcement

محمد هاشم زهي [Ghodratollah Roudini, Hamed Khosravi, Esmail Tohidlou, Mahdi Shafiee Afarani, Hamed Ghohani Arab]

نیمسال اول سال تحصیلی 1402-1403

2. Fabrication and investigation of thermal and mechanical properties of Aluminum/Alumina-nanodiamond interpenetrating phases metal matrix composites.

حسن زینلی مقدم [Ghodratollah Roudini, Hamed Khosravi, Mahdi Shafiee Afarani, Esmail Tohidlou, Jafar Sadeghi]

نیمسال اول سال تحصیلی 1402-1403

3. An investigation on the interlaminar shear strength and wear behavior of basalt fiber/epoxy composite in the presence of nanosilica@carbon nanotube hybrid

زهرا دادران درمیان [Hamed Khosravi, Esmail Tohidlou, Ghodratollah Roudini, Mahdi Shafiee Afarani, Hamid Moghadam Deymeh]

نیمسال اول سال تحصیلی 1401-1402

4. Positron Annihilation Lifetime Spectrometry and Mechanical Behavior of Epoxy-Matrix Nanocomposite Containing Nano Co Oxide@Graphene Hybrid

مریم میرپناه‌الدین [Ali Akbar Mehman Doost Khajeh Dad, Hamed Khosravi, Seyed Alireza Alavi, Vahid Dehghani, Salaheddin Zarrin]

نیمسال دوم سال تحصیلی 01-00

5. Synergistic effect of surface-modified nano-TiO₂ and MWCNT hybrid system on the low-velocity impact behavior of Kevlar fibers/epoxy composites.

ساره سلطانی نژاد [Esmail Tohidlou, Hamed Khosravi, Mahdi Shafiee Afarani, Ghodratollah Roudini, Hossein Rahmani, Faramarz Sarhaddi]

نیمسال دوم سال تحصیلی 01-00

6. Fabrication method and mechanical properties of Al/Steel-Alumina FGM composite

ناهید محمدزاده [Ghodratollah Roudini, Hamed Khosravi, Esmail Tohidlou, Mahdi Shafiee Afarani, Soheil Zaremotlagh]

نیمسال اول سال تحصیلی 01-00

7. Positron Annihilation Lifetime Spectrometry of Epoxy/Carbon Nanotubes and Epoxy/Graphene

محمد کوهکن [Ali Akbar Mehman Doost Khajeh Dad, Hamed Khosravi]

نیمسال اول سال تحصیلی 01-00

8. The simultaneous effect of graphene and carbon nanotubes on the mechanical properties of glass fiber/epoxy composites

مصطفی استبرقی [Esmail Tohidlou, Hamed Khosravi]

نیمسال اول سال تحصیلی 01-00

9. An experimental study on recycling of Carbon fiber/Phenolic composites

سلمان مهکی [Hamed Khosravi, Esmail Tohidlou, S S]

نیمسال اول سال تحصیلی 00-99

10. Fatigue behavior of carbon fiber-reinforced composite tubes

ارزو گلدي زاده [Hamed Khosravi, Esmail Tohidlou, S S]

نیمسال اول سال تحصیلی 00-99

11. Preparation of silica-decorated graphene oxide nanohybrid system as a particulate reinforcement for woven jute fabric reinforced epoxy composites

[Hamed Khosravi, Esmaeil Tohidlou]

نیمسال اول سال تحصیلی 98-99

12. Experimental and simulation study of mechanical properties in polymer composites reinforced by basalt fiber and ZrO₂ nanoparticles

[Esmaeil Tohidlou, Hamed Khosravi]

نیمسال اول سال تحصیلی 98-99

13. An experimental study on the flexural/tensile behavior, interlaminar shear strength and wear properties of E-glass chopped strand mat/epoxy composite containing various CaCO₃ nanoparticle loadings

[Hamed Khosravi, Esmaeil Tohidlou]

نیمسال اول سال تحصیلی 98-99

14. Experimental and numerical study of the effect of layer thickness on the mechanical properties of Al-Mg₂Si composites in small punch test

[Esmaeil Tohidlou, Hamed Khosravi]

نیمسال اول سال تحصیلی 98-99

15. An investigation on mechanical behavior of multiscale nanozirconia/ graphene oxide/ basalt fiber/ epoxy composites

[Hamed Khosravi, Esmaeil Tohidlou]

نیمسال اول سال تحصیلی 97-98

16. An investigation on the microstructure and mechanical behavior of Al-Si/graphene nanocomposites modified by erbium

[Hamed Khosravi, Esmaeil Tohidlou]

نیمسال اول سال تحصیلی 97-98

17. On the mechanical behavior and microstructure of graphene-reinforced Al-Mg₂Si

[Esmaeil Tohidlou, Hamed Khosravi]

نیمسال اول سال تحصیلی 97-98

18. study the effect of magnetic field on electrohydrodynamics atomization and alignment of polymer

[Abdolreza Samimi, Hamed Khosravi, H J]

نیمسال اول سال تحصیلی 96-97

19. Mechanical behavior of CaCO₃/carbon fiber/epoxy multiscale composites

[Esmaeil Tohidlou, Hamed Khosravi]

نیمسال اول سال تحصیلی 96-97

20. Modification of microstructure and mechanical properties of insitu Al-15%Mg₂Si composites through the addition of erbium

[Esmaeil Tohidlou, Hamed Khosravi]

نیمسال اول سال تحصیلی 96-97

21. Effect of adding irbium on the microstructure and mechanical properties of Al-7.5Si-0.5Mg alloy

[Esmaeil Tohidlou, Hamed Khosravi]

نیمسال اول سال تحصیلی 96-97

22. Mechanical and thermal properties of polymer matrix composites containing basalt fiber-carbon nanofiber

محمد كرامتي, [Ghodratollah Roudini, Hamed Khosravi]

نیمسال دوم سال تحصیلی 95-96

23. On the Mechanical and tribological properties of silane surface modified graphene nanoplatelets- epoxy nanocomposites

حسام امیریگی عرب, [Esmaeil Tohidlou, Hamed Khosravi]

نیمسال اول سال تحصیلی 95-96

Journals Papers

2025

1. On the Mechanical Properties of Copper Oxide (CuO)-Decorated Graphene Oxide/Epoxy Nanocomposites

Fariba Mohseni, Alireza Rezvani, Hamed Khosravi, Esmaeil Tohidlou

Polymer-Plastics Technology and Materials Volume: (64) 158 - 169

2. Investigation of Positron Annihilation Lifetime Spectroscopy and Tensile behavior of Graphene Oxide/Epoxy Nanocomposites

Mohamad Koohkan, Ali Akbar Mehman Doost Khajeh Dad, Hamed Khosravi

Volume: (44) 68 - 78

3. Experimental Study on Mechanical Behavior of Basalt Fiber Reinforced Epoxy Composite Enhanced With Nanosilica-Decorated Multiwalled Carbon Nanotubes

Zahra Dadran, Hamed Khosravi, Esmaeil Tohidlou

POLYMERS FOR ADVANCED TECHNOLOGIES Volume: (36) 1 - 12

4. Enhancement of Interlaminar Shear Strength and Wear Resistance of E-Glass Fiber/Epoxy Composite With ZnO Nanoparticle-Anchored Graphene Oxide

Hamed Khosravi, Mohaddeseh Rastgou, Esmaeil Tohidlou

POLYMERS FOR ADVANCED TECHNOLOGIES Volume: (36) 1 - 10

5. Application of positron annihilation lifetime spectroscopy to study mechanical properties of Epoxy-Matrix Nanocomposite Containing Nano Cobalt Oxide/Graphene Oxide Hybrid

Maryam Mirbahaeddin, Ali Akbar Mehman Doost Khajeh Dad, Hamed Khosravi

Iranian Journal of Physics Research Volume: (25) 263 - 271

2024

6. Influence of nanodiamond on compressive and dry-sliding wear behaviors of Al₂O₃-Al interpenetrating-phase composites

Hassan Zeinali Moghaddam, Ghodratollah Roudini, Hamed Khosravi

DIAMOND AND RELATED MATERIALS Volume: (149) 111627 -

7. On the positron annihilation spectroscopy and tensile behavior of COOH-MWCNT/epoxy nanocomposites

Mohamad Koohkan, Ali Akbar Mehman Doost Khajeh Dad, Hamed Khosravi

Journal of Particle Science and Technology Volume: (10) 51 - 57

2023

8. Effect of CNTs/nano-TiO₂ hybrid system on the drop-weight impact response of Kevlar fiber/epoxy composites

Sareh Soltaninejad, Esmail Tohidlou, Hamed Khosravi

POLYMER COMPOSITES Volume: (44) 3425 - 3434

9. تأثیر تلفیق میدان مغناطیسی و پاشش الکتریکی بر جهت گیری نانولوله های کربنی در ذرات جاذب کامپوزیتی هسته-پوسته آلزینات و جذب متیلن بلو

Yassin Moayedfard, Abdolreza Samimi, Hamed Khosravi, Beigmoradi Razieh

Volume: (42) 17 - 32

10. Reinforcing Effect of Organosilane-Grafted CaCO₃ Nanoparticles on Mechanical Performance of E-Glass Chopped Strand Mat/Epoxy Composites

Reyhaneh Khorasani, Hamed Khosravi, Esmail Tohidlou

Silicon Volume: (15) 4603 - 4612

11. Fabrication Method Microstructural Characteristics and Hardness Behavior of Interpenetrating Phases Hybrid Aluminum/Alumina-Nanodiamond Composite

Hassan Zeinali Moghaddam, Ghodratollah Roudini, Hamed Khosravi

Journal of Particle Science and Technology Volume: (9) 63 - 71

2022

12. Flexural and wear properties of E-glass chopped strand mat/epoxy composite laminates containing silanized nano-CaCO₃

Reyhaneh Khorasani, Esmail Tohidlou, Hamed Khosravi

JOURNAL OF THE TEXTILE INSTITUTE Volume: (113) 541 - 548

13. Enhanced flexural and tribological properties of basalt fiber-epoxy composite using nano-zirconia/graphene oxide hybrid system

Davood Toorchi, Esmail Tohidlou, Hamed Khosravi

Journal of Industrial Textiles Volume: (51) 3238 - 3252

14. Assessment of the wear behavior and interlaminar shear properties of modified nano-TiO₂ /jute fiber/epoxy multiscale composites

, Hamed Khosravi

Journal of Industrial Textiles Volume: (51) 1084 - 1099

15. Efficient reinforcement of jute fiber/epoxy composite with Nanosilica@Graphene hybrid filler

Mahnaz Amirabadizadeh, Hamed Khosravi, Esmail Tohidlou

Journal of Industrial Textiles Volume: (51) 3119S - 3130S

16. Reinforcing effect of Fe₂O₃ nanoparticle-decorated graphene oxide on flexural and wear behaviors of epoxy composites

Salman Mahaki, Hamed Khosravi, Esmail Tohidlou

JOURNAL OF APPLIED POLYMER SCIENCE Volume: (139) e53228-1 - e53228-10

2021

17. Preparation of silica-decorated graphene oxide nanohybrid system as a highly efficient reinforcement for woven jute fabric reinforced epoxy composites

Mahnaz Amirabadizadeh, Hamed Khosravi, Esmail Tohidlou

JOURNAL OF APPLIED POLYMER SCIENCE Volume: (138) 49653-1 - 49653-11

18. Viscoelastic and dry-sliding wear properties of basalt fiber-reinforced composites based on a surface-modified graphene oxide/epoxy matrix

, Hamed Khosravi, Alireza Rezvani, Esmail Tohidlou, JA Poulis

Journal of Industrial Textiles Volume: (50) 939 - 953

19. On the low-velocity and high-velocity impact behaviors of aramid fiber/epoxy composites containing modified-graphene oxide

Ali Safamanesh, SEYED MOSTAPHA MUSAVI, Hamed Khosravi, Esmail Tohidlou

POLYMER COMPOSITES Volume: (42) 608 - 617

20. Influence of Erbium Addition on the Microstructural Evolution and Tensile Properties of Al/Mg₂Si in-situ Metal Matrix Composites

ZAHRA ROOSTA, Esmail Tohidlou, Hamed Khosravi

Iranian Journal of Materials Science and Engineering Volume: (18) 71 - 79

21. Synergistic effect of nano-ZrO₂/graphene oxide hybrid system on the high-velocity impact behavior and interlaminar shear strength of basalt fiber/epoxy composite

Davood Toorchi, Hamed Khosravi, Esmail Tohidlou

Journal of Industrial Textiles Volume: (51) 277 - 296

22. Effects of functionalized fumed-silica on the three-point bending and sliding wear properties of woven basalt fabric-epoxy composites

, Hamed Khosravi

JOURNAL OF THE TEXTILE INSTITUTE Volume: (112) 1491 - 1499

23. Numerical and experimental investigations on the low-velocity impact properties of hybrid Kevlar fiber/basalt fiber reinforced epoxy composites: Effects of impactor nose shape and fiber stacking sequences

Mohammadreza Karamooz, Hossein Rahmani, Hamed Khosravi

POLYMER COMPOSITES Volume: (42) 6442 - 6454

24. A comparative study on dry-sliding wear behavior of graphene oxide/epoxy nanocomposites functionalized by amino- and epoxy-silane coupling agents

, Alireza Rezvani, Hamed Khosravi, Esmaeil Tohidlou

POLYMER COMPOSITES Volume: (42) 5930 - 5935

2020

25. High-velocity impact properties of multi-walled carbon nanotubes/E-glass fiber/epoxy anisogrid composite panels

Hamed Khosravi, Reza Eslami-farsani

Journal of Computational and Applied Research in Mechanical Engineering - JCARME Volume: (9) 235 - 243

26. Influence of modified carbonate calcium nanoparticles on the mechanical properties of carbon fiber/epoxy composites

Soraya Shahbakhsh, Esmaeil Tohidlou, Hamed Khosravi

JOURNAL OF THE TEXTILE INSTITUTE Volume: (111) 550 - 554

27. Synthesis of Nickel nanoparticles on graphene oxide as a promising reinforcement for epoxy composites

Mohammad Vakhshori, Hamed Khosravi

POLYMER COMPOSITES Volume: (41) 2643 - 2651

28. Improving the Flexural Properties of E-Glass Fibers/Epoxy Isogrid Stiffened Composites through Addition of 3-Glycidoxypropyltrimethoxysilane Functionalized Nanoclay

Hossein Ebrahimnezhad-Khaljiri, Reza Eslami-Farsani, Hamed Khosravi, Alireza Shahrabi-Farahani

Silicon Volume: (12) 2515 - 2523

29. Simultaneous removal of heavy metals from wastewater using modified sodium montmorillonite nanoclay

Mohammad reza Rezai kakhkha, Massoud Kaykhaii, Batool Rezaei Kakhkha, Hamed Khosravi, Esmaeil Tohidlou

ANALYTICAL SCIENCES Volume: (36) 1039 - 1043

30. Microstructure-Property Relationships in an Erbium-Modified Al-Si-Mg Alloy

Reza Niazi, Esmaeil Tohidlou, Hamed Khosravi

Iranian Journal of Materials Science and Engineering Volume: (17) 40 - 48

31. Hybrid Effects of Basalt and Kevlar Fibers on Low-velocity Impact Behavior of Epoxy-based Composites

Mohammadreza Karamooz, Hossein Rahmani, Hamed Khosravi

FIBERS AND POLYMERS Volume: (21) 2590 - 2598

32. Effect of graphene nanoplatelets on the microstructure and mechanical behavior of erbium-modified Al-7.5Si-0.5Mg alloy

Seyed masood Alavi, Hamed Khosravi, Esmaeil Tohidlou

Journal of Particle Science and Technology Volume: (6) 37 - 45

33. Enhancement of E-glass fiber/epoxy composite bending performance via graphene addition

Mohammad Imanparast, Hamed Khosravi

Journal of Particle Science and Technology Volume: (6) 61 - 65

2019

34. Reinforcing effects of aminosilane-functionalized graphene on the tribological and mechanical behaviors of epoxy nanocomposites

, Hamed Khosravi, Esmaeil Tohidlou

JOURNAL OF APPLIED POLYMER SCIENCE Volume: (136) 47410-1 - 47410-8

35. Mechanical Properties of Multiscale Graphene Oxide/Basalt Fiber/Epoxy Composites

, Hamed Khosravi, Alireza Rezvani, Esmaeil Tohidlou

FIBERS AND POLYMERS Volume: (20) 138 - 146

36. On the behavior of multiscale carbon fiber-epoxy composites containing graphene nanoplatelets under transverse loading

Zahra Ghahremani, S.M.H. Siadati, Alireza Shahrabi-Farahani, Hamed Khosravi

Volume: (49) 229 - 234

37. Multiscale composites based on a nanoclay-enhanced matrix and E-glass chopped strand mat

, Hamed Khosravi

JOURNAL OF REINFORCED PLASTICS AND COMPOSITES Volume: (38) 591 - 600

38. Property improvement of a fibrous composite using functionalized carbon nanofibers

, Hamed Khosravi

POLYMER COMPOSITES Volume: (40) 4281 - 4288

2018

39. Comment on Microstructure and mechanical properties of Al-nano/micro SiC composites produced by stir casting technique by K. Amouri et al. Mater. Sci. Eng. A 674 (2016) 569578

Hamed Khosravi, Esmaeil Tohidlou

MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING Volume: (710) 334 - 335

40. Experimental study of tensile behavior of self-healing fiber-metal laminates composites with chopped hollow glass fibers

reza eslami farsani, , Hamed Khosravi

Volume: (4) 399 - 404

41. Evaluating the Mechanical Behavior of Basalt Fibers/Epoxy Composites Containing Surface-modified CaCO₃ Nanoparticles

, reza eslami farsani, Hamed Khosravi

FIBERS AND POLYMERS Volume: (19) 635 - 640

42. Mechanical performance of self-healing fiber-metal laminates under transverse loading

Shole Abbasnia, Reza Eslami-Farsani, Hamed Khosravi

Volume: (5) 185 - 190

43. Effect of surface-functionalization of Na-montmorillonite nanoclay using 3-aminopropyltrimethoxy silane on the mechanical properties of E-glass chopped strand mat/epoxy composites

, Hamed Khosravi, Esmail Tohidlou

Journal of Particle Science and Technology Volume: (4) 59 - 65

44. On the mechanical behavior of basalt fiber/epoxy composites filled with silanized graphene oxide nanoplatelets¹

, Alireza Rezvani, Hamed Khosravi, Esmail Tohidlou

POLYMER COMPOSITES Volume: (39) 2472 - 2482

45. Flexural Behavior of Fiber-Metal Laminates Reinforced with Surface-Functionalized Nanoclay

Shaghayegh Vahedi, S.M.H Siadati, Hamed Khosravi, A. Shahrabi-Farahani

Mechanics of Advanced Composite Structures Volume: (5) 149 - 156

2017

46. Micro-vascular channel based self-healing fibrous composites under transverse loading

, reza eslami farsani, Hamed Khosravi

Volume: (17) 63 - 68

47. On the flexural properties of multiscale nanosilica/E-glass/epoxy anisogrid-stiffened composite panels

Hamed Khosravi, reza eslami farsani

Journal of Computational and Applied Research in Mechanical Engineering - JCARME Volume: (7) 99 - 108

48. Optimization of SiC particle distribution during compocasting of A356-SiCp composites using D-optimal experiment design

Hamed Khosravi, Reza Eslami-Farsani, Mohsen Askari Peykani

Journal of Particle Science and Technology Volume: (3) 145 - 154

2016

49. Correlation between microstructural features and tensile strength for friction welded joints of AA-7005 aluminum alloy

, , Hamed Khosravi

Journal of Central South University Volume: (23) 1839 - 1846

Conferences Papers

1. Reinforcing effect of CNTs-TiO₂ hybrid on drop-weight impact properties of Aramid fiber/epoxy composites

Sareh Soltaninejad, Esmail Tohidlou, Hamed Khosravi

2022

2. Effect of multi-walled carbon nanotube addition on the low-velocity impact properties of Kevlar fiber/epoxy composites

2nd International Conference on Industrial Application of Advanced Materials and Manufacturing

Sareh Soltaninejad, Esmail Tohidlou, Hamed Khosravi

2020

3. On the interlaminar shear strength of basalt fiber/epoxy composite filled with nano-ZrO₂/graphene oxide nanohybrid

The Biennial International Conference on Experimental Solid Mechanics (X-Mech 2020)

Davood Toorchi, Hamed Khosravi, Esmail Tohidlou

4. Effect of CaCO₃ nanoparticles on the flexural properties of E-glass chopped strand mat/epoxy composites

The Biennial International Conference on Experimental Solid Mechanics (X-Mech 2020)

Reyhaneh Khorasani, Hamed Khosravi, Esmail Tohidlou

5. On the wear behavior of nano-CaCO₃/E-glass fiber/epoxy composite

The 7th International Conference on Composites: Characterization, Fabrication and Application (CCFA-7)

Reyhaneh Khorasani, Hamed Khosravi, Esmail Tohidlou

2018

6. Mechanical properties of epoxy composites filled with silane modified graphene nanoplatelets

The Biennial International Conference on Experimental Solid Mechanics (X-Mech 2018)

, Esmail Tohidlou, Hamed Khosravi

7. Using functionalized nano-alumina for improving the flexural properties of E-glass chopped strand mat/epoxy composites

The Biennial International Conference on Experimental Solid Mechanics (X-Mech 2018)

, , Hamed Khosravi, Esmail Tohidlou

2017

8. Formation of globular structure in A357 aluminum alloy via a near-liquidus casting (NLC) route

6th International Conference on Materials Engineering and Metallurgical

Esmaeil Tohidlou, Mohamad Najafi rad, Hamed Khosravi

9. Effect of silane-modified nanoclay on the wear behavior of a chopped strand mat-epoxy composite

6th International Conference on Materials and Metallurgical Engineering

Hamed Khosravi, , Esmaeil Tohidlou

10. Tensile and flexural properties of E-glass chopped strand mat/epoxy composites enhanced by the addition of silane modified nanoclay

6th International Biennial Conference on Ultra fine Grained and Nano structured Materials (UFGNSM2017)

, Hamed Khosravi, Esmaeil Tohidlou

Executive activities

دانشکده مهندسي شهيد نيکبخت

from 1402/10/17 - to 1403/06/31

مدیر گروه مهندسي مواد

from 1397/11/13 - to 1403/04/09

مدیر گروه مواد

from 1397/08/29 - to 1397/11/01

Research Project

2020

2019

2018
