

Assoc. Prof. GÜLHAN GÜLER

Personal Information

Office Phone: [+90 352 437 4937](tel:+903524374937) Extension: 32901

Email: gerdogan@erciyes.edu.tr

Web: <https://avesis.erciyes.edu.tr/gerdogan/>

International Researcher IDs

ScholarID: 7SVW3mQAAAAJ

ORCID: 0000-0001-6269-3314

Publons / Web Of Science ResearcherID: AAP-5314-2021

ScopusID: 47661184100

Yoksis Researcher ID: 34198

Education Information

Doctorate, Erciyes University, Mühendislik Fakültesi, Tekstil Mühendisliği, Turkey 2010 - 2016

Postgraduate, Erciyes University, Mühendislik Fakültesi, Tekstil Mühendisliği, Turkey 2006 - 2009

Undergraduate, Suleyman Demirel University, Mühendislik&Mimarlık Fakültesi, Tekstil Mühendisliği, Turkey 2002 - 2006

Dissertations

Doctorate, Pulcuksuz Yünlü Kumaşın Sürtünme Özelliklerinin İplik Çekme (Yarn Pull-Out) Yöntemi ile Belirlenmesi , Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Tekstil Mühendisliği Ana Bilim Dalı, 2016

Postgraduate, Türkiye'de Üretilen Poliakrilonitril (PAN) Esaslı Akrilik Liflerinin Karbonizasyon Öncesi Oksidasyon Aşamasının Hızlandırılması ve Karakterizasyonu, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Tekstil Mühendisliği, 2009

Research Areas

Textile Engineering and Technology, Textile Materials, Textile Physics, Cloth Technology, Textile Quality Control, Technical Textiles, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Erciyes University, Mühendislik Fakültesi, Tekstil Mühendisliği, 2024 - Continues

Assistant Professor, Erciyes University, Mühendislik Fakültesi, Tekstil Mühendisliği, 2018 - 2024

Assistant Professor, Erciyes University, Mühendislik Fakültesi, Tekstil Mühendisliği, 2018 - 2018

Research Assistant, Erciyes University, Mühendislik Fakültesi, Tekstil Mühendisliği, 2007 - 2018

Academic and Administrative Experience

Deputy Head of Department, Erciyes University, Mühendislik Fakültesi, Tekstil Mühendisliği, 2021 - Continues

Courses

Tekstil Mühendisliğine Giriş, Undergraduate, 2023 - 2024, 2022 - 2023
Tez Danışmanlığı 1, Doctorate, 2022 - 2023, 2021 - 2022
Tez Çalışması 1, Postgraduate, 2023 - 2024, 2021 - 2022
Örme Kumaş Teknolojisi, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018
Uzmanlık Alan Dersi 1, Postgraduate, 2023 - 2024, 2021 - 2022
Ev Tekstilleri, Undergraduate, 2021 - 2022, 2019 - 2020, 2018 - 2019
Tez Danışmanlığı 2, Doctorate, 2022 - 2023
Bitirme Ödevi, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019
Tekstil Mekaniği-I, Postgraduate, 2022 - 2023, 2021 - 2022, 2019 - 2020
Tez Çalışması 2, Postgraduate, 2021 - 2022, 2018 - 2019
Uzmanlık Alan Dersi 2, Postgraduate, 2022 - 2023, 2021 - 2022, 2018 - 2019
Tekstil Mekaniği-II, Postgraduate, 2021 - 2022, 2018 - 2019

Advising Theses

Güler G., Farklı sıklık ve hav boylarındaki halı yüzeylerinin yapısal ve fiziksel özelliklerinin incelenmesi, Postgraduate, S.YÜCEL(Student), 2019

Jury Memberships

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Erciyes Üniversitesi, December, 2023
Doctoral Examination, Doctoral Examination, Erciyes Üniversitesi, May, 2023
Post Graduate, Post Graduate, Erciyes Üniversitesi, February, 2023
Doctorate, Doctorate, Erciyes Üniversitesi, February, 2022
Doctorate, Doctorate, Erciyes Üniversitesi, January, 2022
Doctorate, Doctorate, Erciyes Üniversitesi, January, 2022
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Erciyes Üniversitesi, December, 2021
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Erciyes Üniversitesi, December, 2021
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Erciyes Üniversitesi, December, 2021
Post Graduate, Post Graduate, Ege Üniversitesi, October, 2021
Doctorate, Doctorate, Erciyes Üniversitesi, December, 2019
Doctoral Examination, Doctoral Examination, Erciyes Üniversitesi, November, 2019
Post Graduate, Post Graduate, Erciyes Üniversitesi, June, 2019
Doctoral Examination, Doctoral Examination, Erciyes Üniversitesi, May, 2019
Doctoral Examination, Doctoral Examination, Erciyes Üniversitesi, November, 2018
Post Graduate, Post Graduate, Erciyes Üniversitesi, July, 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- Textured Polyester Fiber in Three-Dimensional (3D) Carpet Structure Application: Experimental Characterizations under Compression-Bending-Abrasion-Rubbing Loading**
Güler G., Bilişik A., Yücel S.

POLYMERS, vol.15, no.14, pp.1-26, 2023 (SCI-Expanded)

- II. **Developments of multi-nanostitched 3D carbon/epoxy nanocomposites: Tensile/shear and interlaminar properties**
Bilişik A., Güler G., Şahbaz Karaduman N., Sapancı E.
Applied Composite Materials, vol.29, no.1, pp.3-26, 2022 (SCI-Expanded)
- III. **Mode-II fracture of nanostitched para-aramid/phenolic nanoprepreg composites by end-notched flexure**
Bilisik K., Erdogan G., Sapancı E., Gungor S.
JOURNAL OF COMPOSITE MATERIALS, vol.54, no.24, pp.3537-3557, 2020 (SCI-Expanded)
- IV. **Three dimensional nanoprepreg and nanostitched aramid/phenolic multiwall carbon nanotubes composites: Experimental determination of in-plane shear**
Bilişik A., Güler G., Sapancı E., Güngör S.
Journal Of Composite Materials, vol.53, no.29, pp.4077-4096, 2019 (SCI-Expanded)
- V. **Mode-II toughness of nanostitched carbon/epoxy multiwall carbon nanotubes prepreg composites: Experimental investigation by using end notched flexure**
Bilişik A., Güler G., Sapancı E., Güngör S.
Journal Of Composite Materials, vol.53, no.30, pp.4249-4271, 2019 (SCI-Expanded)
- VI. **In-plane shear of nanoprepreg/nanostitched three dimensional carbon/epoxy multiwall carbon nanotubes composites**
Bilişik A., Güler G., Karaduman N., Sapancı E., Güngör S.
Journal Of Composite Materials, vol.53, no.24, pp.3413-3421, 2019 (SCI-Expanded)
- VII. **Interlaminar shear properties of nanostitched/nanoprepreg aramid/phenolic composites by short beam method**
Bilişik A., Erdogan G., Sapancı E.
JOURNAL OF COMPOSITE MATERIALS, vol.53, no.21, pp.2941-2957, 2019 (SCI-Expanded)
- VIII. **In-plane response of para-aramid/phenolic nanostitched and nanoprepreg 3D composites under tensile loading**
Bilisik K., Erdogan G., Sapancı E.
POLYMER COMPOSITES, vol.40, no.4, pp.1275-1286, 2019 (SCI-Expanded)
- IX. **Compression after low-velocity impact (CAI) properties of multistitched composites**
Erdoğan G., Bilişik A.
Mechanics Of Advanced Materials And Structures, vol.25, no.8, pp.623-636, 2018 (SCI-Expanded)
- X. **Flexural behavior of 3D para-aramid/phenolic/nano (MWCNT) composites**
Bilişik A., Güler G., Sapancı E.
RSC Advances, vol.8, no.13, pp.7213-7224, 2018 (SCI-Expanded)
- XI. **Ferric Chloride Assisted Thermal Stabilization of Polyacrylonitrile Precursor Fibers Prior to Carbonization**
Karacan I., Erdogan G.
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.22, no.5, pp.1016-1027, 2012 (SCI-Expanded)
- XII. **The Role of Thermal Stabilization on the Structure and Mechanical Properties of Polyacrylonitrile Precursor Fibers**
KARACAN I., Erdogan G.
FIBERS AND POLYMERS, vol.13, no.7, pp.855-863, 2012 (SCI-Expanded)
- XIII. **An investigation on structure characterization of thermally stabilized polyacrylonitrile precursor fibers pretreated with guanidine carbonate prior to carbonization**
KARACAN I., Erdogan G.
POLYMER ENGINEERING AND SCIENCE, vol.52, no.5, pp.937-952, 2012 (SCI-Expanded)
- XIV. **A Study on Structural Characterization of Thermal Stabilization Stage of Polyacrylonitrile Fibers Prior to Carbonization**
KARACAN I., Erdogan G.

- FIBERS AND POLYMERS, vol.13, no.3, pp.329-338, 2012 (SCI-Expanded)
- XV. **The Influence of Thermal Stabilization Stage on the Molecular Structure of Polyacrylonitrile Fibers Prior to the Carbonization Stage**
KARACAN I., Erdogan G.
FIBERS AND POLYMERS, vol.13, no.3, pp.295-302, 2012 (SCI-Expanded)
- XVI. **The effect of ethylenediamine pretreatment on the molecular structure of thermally stabilized polyacrylonitrile fibers before carbonization**
KARACAN I., Erdogan G.
POLYMER ENGINEERING AND SCIENCE, vol.52, no.3, pp.467-480, 2012 (SCI-Expanded)

Articles Published in Other Journals

- I. **Characterizations of Polypropylene Pile Fiber in Three-Dimensional (3D) Carpet under Flexure and Static Loading**
Güler G., Yücel S.
Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.39, no.2, pp.330-341, 2023 (Peer-Reviewed Journal)
- II. **Üç boyutlu (3B) Polipropilen Halı Yapıların Aşınma ve Sürtünme Özellikleri**
Güler G., Yücel S.
Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.39, no.1, pp.138-149, 2023 (Peer-Reviewed Journal)
- III. **Toughness properties of nanostitched and nanoprepreg carbon/epoxy materials**
Bilişik A., Güler G., Sapancı E., Güngör S., Karaduman N.
Current Trends in Fashion Technology & Textile Engineering (CTFTTE), vol.1, no.2, pp.1-4, 2017 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Chapter 1: Classification of fibre reinforcement architecture**
Bilişik A., Güler G., Bilisik N. E.
in: Advanced textile structural composites forming: characterisation, modelling and simulation, Peng WANG, Nahiene HAMILA, Editor, Elsevier Science, Oxford/Amsterdam, Cambridge, pp.3-667, 2024
- II. **Advances in ballistic protection**
Bilişik A., Seyduzzaman M., Güler G., Korkmaz M.
in: Functional and Technical Textiles, Subhankar Maity, Kunal Singha, Pintu Pandit, Editor, Elsevier Science, Oxford/Amsterdam, Oxford, pp.1-45, 2023
- III. **Chapter 11: Applications of Glass Fibers in 3D Preform Composites**
Bilişik A., Kaya G., Özdemir H., Korkmaz M., Güler G.
in: Advances in Glass Science and Technology, Vincenzo M. Sglavo, Editor, INTECH-OPEN ACCESS PUBLISHER, London, pp.207-230, 2018

Refereed Congress / Symposium Publications in Proceedings

- I. **Nanostitching for Through-The-Thickness Reinforcement in Composites**
Bilişik A., Güler G.
4. International Conference on Advances in Textile Materials and Processes (ATMP-2021, Online), Kanpur, India, 18 - 20 November 2021, pp.1-2
- II. **In-Plane Shear and Interlaminar Fracture Toughness Properties of MWCNTstitched Paraaramid/Phenolic Nanocomposites**
Bilişik A., Güler G., Şahbaz Karaduman N., Sapancı E., Güngör S.

2nd International Workshop on Plasticity, Damage and Fracture of Engineering Materials (IWPDF-21, Online), Ankara, Turkey, 18 - 20 August 2021, vol.35, pp.210-218

- III. **Multi-Nanostitched 3D Carbon/Epoxy Nanocomposites: Tensile/Shear and Interlaminar Properties**
Bilişik A., Güler G., Şahbaz Karaduman N., Sapancı E.
9th World Conference in 3D Fabrics and Their Applications, Zhengzhou, China, 8 - 09 April 2021, pp.1-14
- IV. **Interlaminar shear of nanostitched p-aramid/phenolic composites by short beam**
Bilişik A., Güler G., Sapancı E.
NANOTR-15, Antalya, Turkey, 3 - 06 November 2019, pp.118-119
- V. **Fracture toughness (Mode-II) of nanostitched composites**
Bilişik A., Güler G., Sapancı E., Güngör S.
1st International workshop on plasticity, damage and fracture of engineering materials, Ankara, Turkey, 22 - 23 August 2019, pp.2-6
- VI. **Tensile Characterization of 3D Nanostitched P-Aramid/ Phenolic MWCNTs Composites**
BİLİŞİK A., GÜLER G., Karaduman N., Sapancı E., Kaya G., Güngör S.
TEXCOMP-13, Milano, Italy, 17 - 19 September 2018, pp.1-8
- VII. **Bending Properties of Aramid/Phenolic Carbon Nanotube Preform (MWCNTS) Structures**
BİLİŞİK A., GÜLER G., Karaduman N., Kaya G., Sapancı E., Güngör S.
7th International Technical Textiles Conference, İzmir, Turkey, 10 - 12 September 2018, pp.1-8
- VIII. **Bending Behavior of Nanoprepreg 3D Carbon/Epoxy MWCNT Composites**
BİLİŞİK A., GÜLER G., ŞAHBAZ KARADUMAN N., Sapancı E., Güngör S.
8th International Istanbul Conference on Evolution Technical Textile (ETT2018), İstanbul, Turkey, 14 - 16 April 2018, pp.1-6
- IX. **Mode-I properties of nanoprepreg structures**
BİLİŞİK A., GÜLER G., Karaduman N.
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), Adana, Turkey, 25 - 27 October 2017, pp.1-5
- X. **Fracture Toughness (Mode-I) of Multistitched Carbon/Epoxy Nanoprepreg Composites**
BİLİŞİK A., GÜLER G., Karaduman N., Sapancı E., Güngör S.
NANOTR-13, Antalya, Turkey, 22 - 25 October 2017, pp.295-296
- XI. **Delamination (Mode-I) Properties of Nano Composites**
BİLİŞİK A., GÜLER G., Karaduman N.
8th TEXTEH International Conference, Bucharest, Romania, 19 - 20 October 2017, pp.1-6
- XII. **Characterization of Fracture Toughness Properties of nanostitched / Nanoprepreg Composites**
BİLİŞİK A., Sapancı E., GÜLER G., Karaduman N., Güngör S.
International Porous Powder Material (PPM), İzmir, Turkey, 12 - 15 September 2017, pp.269-273

Supported Projects

GÜLER G., BİLİŞİK N. E., BİLİŞİK A., Project Supported by Higher Education Institutions, Nanobalistik ParaaramidEpoksi Kompozitler Fonksiyonlu B4CGNPsMWCNTs Katkılı ve PECVDCVD Yapılar, 2023 - Continues

BİLİŞİK A., GÜLER G., Project Supported by Higher Education Institutions, Nanotekstil kompozitlerin morfolojik elektriksel iletkenlik termal yük dinamik yük altındaki davranışının incelenmesi, 2020 - 2022

Güler G., Bilişik A., TUBITAK Project, Üç boyutlu dokuma ürünü iskele yapılarla kıkırdak rejenerasyonu, 2015 - 2020

BİLİŞİK A., GÜLER G., Project Supported by Higher Education Institutions, PULCUKSUZ YÜNLÜ KUMAŞIN SÜRTÜNME ÖZELLİKLERİNİN İPLİK ÇEKME(YARN PULL-OUT) YÖNTEMİ İLE BELİRLENMESİ, 2012 - 2016

Bilişik A., Güler G., Project Supported by Other Official Institutions, ROKETSAN ortaklığında 'Çok eksenli dikişli kompozit yapıların mekanik ve balistik performansı', 2014 - 2015

KARACAN İ., ERDOĞAN G., tekoğlu o., BENLİ H., Project Supported by Higher Education Institutions, DOĞAL VE SENTETİK TEKSTİL MALZEMELERİNE KİMYASAL YÖNTEMLER İLE ALEV ISI VE YANMA DİRENÇ ÖZELLİKLERİNİN KAZANDIRILMASI VE YAPISAL ÖZELLİKLERİNİN İNCELENMESİ, 2009 - 2011

KARACAN İ., ERDOĞAN G., Project Supported by Higher Education Institutions, TÜRKİYE'DE ÜRETİLEN POLİAKRİLONİTRİL (PAN) ESASLI AKRİLİK LİFLERİNİN KARBON LİF ÜRETİMİ ÖNCESİ GEREKLİ OLAN OKSİDASYON AŞAMASININ HIZLANDIRILMASI ÜZERİNE BİR ARAŞTIRMA, 2008 - 2009

Scientific Refereeing

KSÜ Mühendislik Bilimleri Dergisi, National Scientific Refreed Journal, August 2023
Turkish Journal of Fashion Design and Management, National Scientific Refreed Journal, June 2023
JOURNAL OF INDUSTRIAL TEXTILES, SCI Journal, September 2019
TEKSTİL VE MÜHENDİS, National Scientific Refreed Journal, February 2019
TEKSTİL VE MÜHENDİS, National Scientific Refreed Journal, December 2018
JOURNAL OF INDUSTRIAL TEXTILES, SCI Journal, July 2018
JOURNAL OF COMPOSITE MATERIALS, SCI Journal, June 2018
JOURNAL OF INDUSTRIAL TEXTILES, SCI Journal, April 2018
Journal of Industrial Textiles, SCI Journal, October 2017
Journal of Industrial Textiles, SCI Journal, July 2017

Metrics

Publication: 34
Citation (WoS): 210
Citation (Scopus): 234
H-Index (WoS): 10
H-Index (Scopus): 10

Congress and Symposium Activities

2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), ADANA, TÜRKİYE, Attendee, Adana, Turkey, 2017
8th TEXTEH 'CREATING THE FUTURE OF TEXTILES' International Conference, Bucharest, ROMANYA, Attendee, Bucuresti, Romania, 2017

Awards

Güler G., Bilimsel Yayın Teşvik, Tübitak, March 2020
Güler G., Bilimsel Yayın Teşvik, Tübitak, February 2020
Güler G., Bilimsel Yayın Teşvik, Tübitak, February 2020
Güler G., Tübitak Bilimsel Yayın Teşvik, Tübitak, February 2020
Güler G., Bilimsel Yayın Teşvik, Tübitak, November 2019
Güler G., Bilimsel Yayın Teşvik Ödülü, Tübitak, October 2018