

Assoc. Prof. CEMAL KOÇHAN

Personal Information

Email: cemal.kochan@deu.edu.tr

Web: <https://avesis.deu.edu.tr/cemal.kochan>

International Researcher IDs

ORCID: 0000-0001-6836-2620

Publons / Web Of Science ResearcherID: E-5520-2019

ScopusID: 24471796500

Yoksis Researcher ID: 25859

Education Information

Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Konstrüksiyon-İmalat (Dr), Turkey 2008 - 2016

Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Konstrüksiyon-İmalat (YI) (Tezli), Turkey 2004 - 2008

Undergraduate, Dokuz Eylul University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Turkey 2001 - 2004

Undergraduate, Dokuz Eylul University, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, Turkey 1999 - 2001

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Vocational Training, ÖĞRETİM YETKİNLİKLERİNİ GELİŞTİRME SERTİFİKA PROGRAMI, Dokuz Eylül Üniversitesi, 2024

Entrepreneurship, Girişimcilik Eğitimi Sertifika Programı (DEGA-3.Dönem), Dokuz Eylül Üniversitesi, 2015

Dissertations

Doctorate, Kompozit yayların mekanik davranışlarının incelenmesi, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Konstrüksiyon-İmalat (Dr), 2016

Postgraduate, Denizcilikte kullanılan GRP / PVC sandviç yapıların kırılma tokluğuna çevrenin etkisi, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Konstrüksiyon-İmalat (YI) (Tezli), 2008

Academic Titles / Tasks

Associate Professor, Dokuz Eylul University, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2024 - Continues

Research Assistant PhD, Dokuz Eylul University, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2007 - Continues

Courses

Makina Tasarımı II, Undergraduate, 2023 - 2024

Makina Tasarımı II, Undergraduate, 2023 - 2024
Machine Design, Undergraduate, 2023 - 2024
Temel Bilgi Teknolojileri, Undergraduate, 2023 - 2024
Teknik Resim, Undergraduate, 2022 - 2023
Teknik Resim, Undergraduate, 2023 - 2024
Makina Tasarımı I, Undergraduate, 2023 - 2024
Makina Elemanlarına Giriş, Undergraduate, 2022 - 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Using mussel shell wastes as an additive for the production of thermally improved polypropylene composite monofilaments**
KOÇHAN C., Selli F., ERDOĞAN Ü. H.
JOURNAL OF THE TEXTILE INSTITUTE, vol.112, no.5, pp.683-690, 2021 (SCI-Expanded)
- II. **Fatigue analysis of polycrystalline materials using Peridynamic Theory with a novel crack tip detection algorithm**
Zhu N., Koçhan C., Oterkus E., Oterkus S.
OCEAN ENGINEERING, vol.222, 2021 (SCI-Expanded)
- III. **Low velocity impact behaviour of recycled mussel shell particles reinforced epoxy composites**
KOÇHAN C.
MATERIALS RESEARCH EXPRESS, vol.6, no.8, 2019 (SCI-Expanded)
- IV. **Mechanical properties of waste mussel shell particles reinforced epoxy composites**
KOÇHAN C.
MATERIALS TESTING, vol.61, no.2, pp.149-154, 2019 (SCI-Expanded)
- V. **Experimental investigation of fiber reinforced composite leaf springs**
KOÇHAN C., BELEVİ M.
MATERIALS TESTING, vol.59, no.10, pp.853-858, 2017 (SCI-Expanded)
- VI. **AN EXPERIMENTAL INVESTIGATION OF CURVATURE EFFECT ON THE LAMINATED COMPOSITES AT LOW VELOCITY IMPACT**
BELEVİ M., KOÇHAN C., Yirtimci A. Y. O.
ADVANCED COMPOSITES LETTERS, vol.22, no.3, pp.57-64, 2013 (SCI-Expanded)
- VII. **The fracture toughness of PVC/GRP sandwich systems in marine environment**
KOÇHAN C., Nesor G., ÖZES Ç.
ADVANCED COMPOSITES LETTERS, vol.17, no.1, pp.23-27, 2008 (SCI-Expanded)

Articles Published in Other Journals

- I. **An experimental investigation on mode-I fracture toughness of mussel shell/epoxy particle reinforced composites**
KOÇHAN C.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSİTESİ MUHENDİSLİK BİLİMLERİ DERGİSİ, vol.26, no.4, pp.599-604, 2020 (ESCI)
- II. **Fiber Takviyeli Polimer Kompozit Yaprak Yayların Gelişimi**
KOÇHAN C., BELEVİ M.
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Mühendislik Bilimleri Dergisi, vol.15, no.44, pp.39-51, 2013 (Peer-Reviewed Journal)
- III. **Taguchi Metodu İle Enjeksiyon Parçalarda Çarpılmanın En Aza İndirilmesi**
Erdem V., BELEVİ M., KOÇHAN C.
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Mühendislik Bilimleri Dergisi, vol.12, no.2, pp.17-29, 2010 (Peer-

Refereed Congress / Symposium Publications in Proceedings

- I. **Determination of shear properties of thermoplastic composite reinforced with waste denim fabrics**
Şaşmaz E., ÖZES Ç., KOÇHAN C.
3. International Gobeklitepe Scientific Studies Congress, Şanlıurfa, Turkey, 17 December 2021, vol.1, pp.42-49
- II. **"Fabrication of Composite Material From Textile Waste And Determination of Its Mechanical Properties"**
ŞAŞMAZ E., KOÇHAN C., ÖZES Ç.
1. ULUSLARARASI HASANKEYF BİLİMSSEL ÇALIŞMALAR VE İNOVASYON KONGRESİ, Batman, Turkey, 06 November 2021
- III. **Mass fraction effect on mechanical properties of E-glass fiber reinforced polyethylene composites**
Sanbur S., KOÇHAN C., ÖZES Ç.
2nd International Symposium on Applied Science and Engineering, Erzurum, Turkey, 7 - 09 April 2021, pp.474-477
- IV. **PRELIMINARY RESULT OF NEW 2D FATIGUE MODEL BYPERIDYNAMIC THEORY**
KOÇHAN C., Öterkuş E.
4th INTERNATIONAL CONFERENCE ON MATERIALSCIENCE AND TECHNOLOGY, Ankara, Turkey, 18 - 20 October 2019, vol.1, pp.844
- V. **RECYCLING OF WASTE MUSSEL SHELLS TO PRODUCE PARTICLE REINFORCED COMPOSITE MATERIALS**
KOÇHAN C.
3rd International Conference on Engineering Technology and Applied Sciences, Üsküp, Macedonia, 17 - 21 July 2018, vol.1, pp.50
- VI. **Experimental Investigation on Bolted Natural Fibre Reinforced Composites**
KOÇHAN C., ÖZES Ç.
THERMAM 2016, 1 - 03 September 2016, vol.1, pp.75-82
- VII. **Experimental Analysis of E Glass Epoxy Composite Leaf Springs**
KOÇHAN C., BELEVİ M.
International conference on thermophysical and mechanical properties of advanced materials, Baku, Azerbaijan, 17 - 18 September 2015, vol.1, pp.41
- VIII. **Eğrisel Tabakalı Kompozitin Düşük Hızlı Darbe Davranışının Deneysel Olarak İncelenmesi**
Yırtımcı A. Y. O., BELEVİ M., KOÇHAN C.
14. Uluslararası Malzeme Sempozyumu, 10 - 12 October 2012, vol.1, pp.521-530
- IX. **PVC Cam Takviyeli Plastik sandviç sistemlerin kırılma tokluğuna denizel çevrenin etkisinin deneysel olarak saptanması incelenmesi**
KOÇHAN C., ÖZES Ç., NEŞER G.
12. Uluslararası Malzeme Sempozyumu, 15 - 17 October 2008, vol.2, pp.1010-1017
- X. **Finite element analysis of sandwich composite structures in marine use**
KOÇHAN C., NEŞER G., ÖZES Ç.
An international conference on small craft related science and engineering, 16 - 18 October 2006, vol.1, pp.244-250

Supported Projects

- KOÇHAN C., BELEVİ M., Project Supported by Higher Education Institutions, Kompozit yayların mekanik davranışlarının incelenmesi, 2012 - 2015
- KOÇHAN C., ÖZES Ç., Project Supported by Higher Education Institutions, Denizcilikte kullanılan sandviç yapıların kırılma tokluğunun deneysel ve nümerik olarak incelenmesi, 2008 - 2009

Patent

KOÇHAN C., Yaprak yaylar için çok fonksiyonlu test cihazı, Patent, CHAPTER F Mechanical engineering; Lighting; Heating; Weaponry; Destroyed Materials, 2021

KOÇHAN C., Düz uçlu yaprak yaylar için göz bağlantı mekanizması, Patent, CHAPTER F Mechanical engineering; Lighting; Heating; Weaponry; Destroyed Materials, 2018

Activities in Scientific Journals

Research on Engineering Structures and Materials, Advisory Committee Member, 2023 - 2023

Scientific Refereeing

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, HİDKOM MÜHENDİSLİK MÜMESSİLLİK TAAHHÜT MAKİNE SAN. VE TİC. LTD. ŞTİ., Turkey, April 2024

TUBITAK Project, 1501 - Industry R & D Projects Support Program, ARTIDOKSAN HIZLI İMALAT TEK. SAN. VE TİC. A.Ş., Turkey, December 2023

TUBITAK Project, 1501 - Industry R & D Projects Support Program, RAYSAN TEKNOLOJİ SANAYİ TİCARET LİMİTED ŞİRKETİ, Turkey, December 2023

TEKSTİL VE MUHENDİS, National Scientific Refreed Journal, September 2023

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Dokuz Eylül University, Turkey, August 2023

MECHANICS OF ADVANCED MATERIALS AND STRUCTURES, SCI Journal, July 2023

Mühendislik Bilimleri ve Tasarım Dergisi, National Scientific Refreed Journal, March 2023

Research on Engineering Structures and Materials, National Scientific Refreed Journal, February 2023

Kahramanmaraş Sütçü İmam Üniversitesi Mühendislik Bilimleri Dergisi, National Scientific Refreed Journal, February 2023

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Turkey, September 2022

APPLIED COMPOSITE MATERIALS, Journal Indexed in SCI-E, August 2022

Mühendis ve Makina, National Scientific Refreed Journal, May 2022

TUBITAK Project, 2209-B - Sanayiye Yönelik Lisans Araştırma Projeleri Destekleme Programı, Dokuz Eylül University, Turkey, April 2022

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Turkey, April 2022

APPLIED COMPOSITE MATERIALS, Journal Indexed in SCI-E, July 2021

TEKSTİL VE MUHENDİS, Other Indexed Journal, July 2021

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Dokuz Eylül University, Turkey, June 2021

APPLIED COMPOSITE MATERIALS, Journal Indexed in SCI-E, April 2021

TEKSTİL VE MUHENDİS, Other Indexed Journal, April 2021

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, Journal Indexed in SCI-E, June 2020

THE SCIENTIFIC WORLD JOURNAL, Other Indexed Journal, June 2020

RSC ADVANCES, Journal Indexed in SCI-E, June 2020

THE SCIENTIFIC WORLD JOURNAL, Other Indexed Journal, May 2020

RSC ADVANCES, Journal Indexed in SCI-E, May 2020

CONTINUUM MECHANICS AND THERMODYNAMICS, Journal Indexed in SCI-E, April 2020

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, Journal Indexed in SCI-E, March 2020

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, Journal Indexed in SCI-E,

December 2019

Journal of Composites and biodegradable polymers, Journal Indexed in SCI-E, December 2019

JOURNAL OF MECHANICS, Journal Indexed in SCI-E, September 2019

JOURNAL OF MECHANICS, Journal Indexed in SCI-E, August 2019

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, Journal Indexed in SCI-E, March 2019

JOURNAL OF MECHANICS, Journal Indexed in ESCI, March 2019

JOURNAL OF MECHANICS, Journal Indexed in SCI-E, January 2019

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, Journal Indexed in SCI-E, September 2018

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, Journal Indexed in SCI-E, December 2017

Metrics

Publication: 20

Citation (WoS): 38

Citation (Scopus): 39

H-Index (WoS): 3

H-Index (Scopus): 4

Scholarships

BİDEB-2219 Yurtdışı Doktora sonrası Araştırma Bursu, TÜBİTAK, 2017 - 2018