

Assoc. Prof. ELMAS SALAMCI

Personal Information

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International Researcher IDs

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Education Information

Doctorate, University of Leeds, School Of Materials, United Kingdom 1994 - 1998

Undergraduate, Istanbul Technical University, Kimya-Metalurji, Metalurji Ve Malzeme Mühendisliği, Turkey 1984 - 1988

Foreign Languages

English, C1 Advanced

Research Areas

Engineering and Technology

Academic Titles / Tasks

Associate Professor, Gazi University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2018 - Continues

Assistant Professor, Gazi University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2013 - 2018

Lecturer, Gazi University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2012 - 2013

Assistant Professor, Karabuk University, Teknik Eğitim Fakültesi, Metal Eğitimi Bölümü, 1999 - 2012

Research Assistant, Zonguldak Bülent Ecevit University, Faculty Of Engineering, 1998 - 1999

Research Assistant, Zonguldak Bülent Ecevit University, Faculty Of Engineering, 1989 - 1993

Academic and Administrative Experience

Head of Department, Karabuk University, Teknik Eğitim Fakültesi, Metal Eğitimi Bölümü, 1999 - 2000

Courses

Manufacturing Processes, Undergraduate, 2021 - 2022

Kompozit Malzemeler, Postgraduate, 2016 - 2017

Materials Science, Undergraduate, 2016 - 2017

Advising Theses

- Salamci E., Investigation of reinforcement around the lightening hole in composite plates under tension and shear loads, Doctorate, A.Emre(Student), 2023
- Salamci E., Mechanical properties and failure analysis of graphene enhanced carbon/epoxy nanocomposite laminates containing a hole, Postgraduate, H.Yavuz(Student), 2023
- Salamci E., Investigation on strength of insert in sandwich structures with experimental and finite element analysis, Postgraduate, M.Mustafa(Student), 2023
- Salamci E., INVESTIGATION OF THE EFFECTS OF AUTOCLAVE PROCESS PARAMETERS ON POROSITY AND MECHANICAL PROPERTIES OF CARBON FIBER REINFORCED EPOXY MATRIX COMPOSITE MATERIALS, Postgraduate, Ö.ESMER(Student), 2022
- Salamci E., INVESTIGATION OF EFFECTS OF DESIGN VARIABLES ON PHYSICAL AND MECHANICAL PROPERTIES IN GRADED POROUS STRUCTURES PRODUCED BY SELECTIVE LASER MELTING, Doctorate, M.ÇAĞRI(Student), 2021
- Salamci E., GENİŞ BANTLI ARAYA GİRME KAYBI AZ OLAN YÜKSEK HİDROSTATİK BASINCA DAYANIKLI RADOM TASARLANMASI, Postgraduate, B.ÖZDEMİR(Student), 2020
- SALAMCI E., Lightning Protection Of Monolithic carbon Fiber Reinforced Polymer Matrix Composites By Using Expanded Copper Foil, Postgraduate, E.CAN(Student), 2020
- SALAMCI E., Bonding Joints In Aircraft Structures Made Of Carbon/Epoxy Composite Materials, Postgraduate, M.ERDEM(Student), 2020
- SALAMCI E., Investigation Of Graphene Powder Addition To 5083 Aluminum Alloy With Friction Stir Method, Postgraduate, A.FEIZI(Student), 2019
- SALAMCI E., The Effect Of Positive Grid Surface Treatments On Lead Acid Battery Performance, Postgraduate, İ.GÜRSOY(Student), 2019
- SALAMCI E., Design And Manufacturing Of Below-Knee Prosthetic Leg And Composite Foot, Postgraduate, Ş.ÖZKAN(Student), 2019
- SALAMCI E., Investigation Of Mechanical Properties Of Glass/Epoxy Nanocomposites Laminates Enhanced With Graphene, Postgraduate, F.KHAKZAD(Student), 2017
- SALAMCI E., Elmas nanoparçacık takviyeli krom kaplanmış gözenekli toz metal parçaların aşınma ve korozyon davranışlarının araştırılması, Postgraduate, N.ZOGHIPOUR(Student), 2017
- SALAMCI E., Investigation Of Wear And Corrosion Behavior Of Porous Powder Metallurgy Parts Coated With Nano Diamond Particles Modified Chromium, Postgraduate, N.Zoghipour(Student), 2017
- SALAMCI E., Mechanical Properties And Failure Analysis Of Bolted Joints Carbon/Epoxy Nanocomposites Laminates Enhanced With Carbon Nanotube And Nanoclay, Postgraduate, M.ÇAĞRI(Student), 2015
- SALAMCI E., Elmas nano parçacık takviyeli krom kaplanmış gözenekli toz metal parçaların korozyon davranışlarının araştırılması, Postgraduate, E.ZEYNEP(Student), 2015
- SALAMCI E., The effect of martensite volume fraction and morphology on the fatigue behaviour of dual phase steels, Postgraduate, T.SAATCI(Student), 2014
- SALAMCI E., Çift fazlı çeliklerde mikroyapının mekanik özelliklere etkisi, Postgraduate, F.KABAKCI(Student), 2006
- SALAMCI E., ERDOĞAN M., Ereğli demir ve çelik fabrikaları sürekli tavlama hatlarında çift-fazlı çelik üretilebilirliğinin incelenmesi, Doctorate, B.DEMİR(Student), 2003
- SALAMCI E., SPEX tipi alaşımlama cihazının tasarımı, imalatı ve alüminyum-bazlı kompozit tozlarının üretimi, Postgraduate, H.KAYA(Student), 2003

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Investigation of Reinforcement Around the Lightning Hole in Composite Plates Under Tension and Shear Loads**
Orun A. E., SALAMCI E., ÇÖKER D.
MECHANICS OF COMPOSITE MATERIALS, vol.60, pp.183-198, 2024 (SCI-Expanded)
- II. **Mechanical and Electrochemical Properties Comparison of Additively Manufactured Ti-6Al-4V Alloys**

by Electron Beam Melting and Selective Laser Melting

Romero Reséndiz L., Sánchez Cano T., Naeem M., Ur Rehman A., SALAMCI E., Torres Mendoza V., Degalez Duran E., Bazán Díaz L., SALAMCI M. U.

Journal of Materials Engineering and Performance, 2024 (SCI-Expanded)

Articles Published in Other Journals

- I. **Corrosion in laser powder bed fusion AlSi10Mg alloy**
Laieghi H., Kvvssn V., Butt M. M., Ansari P., SALAMCI M. U., Patterson A. E., SALAMCI E.
Engineering Reports, 2024 (ESCI)
- II. **Kompozit Plakalara Açılan Hafifletme Deliği Etrafındaki Güçlendirmenin Eğme Yükleme Altında İncelenmesi**
Örün A. E., SALAMCI E.
Avrupa Bilim ve Teknoloji Dergisi, no.51, pp.86-96, 2023 (Peer-Reviewed Journal)
- III. **An experimental analysis of three different corrosion behaviors, passivation, pitting and uniform, of electrodeposited Chromium-Nano diamond composite coating on porous materials**
Zoghipour N., Valov R., Petkov V., Salamci E., Ünal R.
Makina Tasarım ve İmalat Dergisi, vol.20, no.2, pp.79-85, 2022 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **SANDVIÇ YAPILARDA KENAR INSERT BAĞLAYICILARINA GRUP ETKİSİNİN İNCELENMESİ**
Abay M. M., ÇEKİÇ A., SALAMCI E., Akçe H.
9. ULUSAL HAVACILIK VE UZAY KONFERANSI, İzmir, Turkey, 14 September 2022
- II. **Composite Rocket Fin Optimization Based On Flutter Analysis**
Gözüm S., Örün A. E., Salamci E.
10th Ankara International Aerospace Conference, Ankara, Turkey, 18 - 20 September 2019
- III. **Review of parameters affecting the bonding quality of composite joins**
İris M. E., Salamci E.
4th International Porous and Powder Materials Symposium and Exhibition PPM 2019, Ankara, Turkey, 9 - 11 September 2019, pp.122-127
- IV. **Comparison of radome sandwich composite structures with finite element method**
ÖZDEMİR B., SALAMCI E., KULOĞLU M.
ICCST/12 12th International Conference on Composite Science and Technology, Sorrento, Italy, 8 - 10 May 2019
- V. **Analysis and Manufacturing of Wooden Core and Glass Fiber/Epoxy Face Sheets Sandwich Composite Electric Skateboard**
YILDIZ B., PALABIYIK G. C., TÜZEMEN M. Ç., SALAMCI E.
4th International Conference on Engineering and Natural Science, 2 - 06 May 2018
- VI. **Hücreli yapıları tasarımlarda boşluk değerinin belirlenmesine yönelik matematiksel yaklaşım**
Dursun A. M., Ünal R., Yılmaz O., Salamci E.
3rd International Congress on 3D printing (Additional Manufacturing) Technologies and Digital Industries, Antalya, Turkey, 19 - 21 April 2018, pp.660-668
- VII. **Fırlatma Mekanizmasına Sahip Kompozit İnsansız Hava Aracı Tasarımı ve Üretimi**
Gerçeker H., Konuk D., Keskin Y. E., Ercan K., Akay M., TÜZEMEN M. Ç., SALAMCI E.
The International Conference on Materials Science, Mechanical and Automotive Engineerings and Technology, 10 - 12 April 2018
- VIII. **Hücreli Yapılı Tasarımlarda Hacimsel Boşluk Değerinin Belirlenmesine Yönelik Matematiksel Yaklaşım**
Dursun A. M., ÜNAL R., YILMAZ O., Salamci E.

3rd International Congress on 3D Printing (Additive Manufacturing) Technologies and Digital Industry 2018, Antalya, Turkey, 19 - 21 April 2018

- IX. Investigating The Corrosion Behavior of Electrodeposited Nickel-Nano Diamond Composite Coating On Porous Materials by The Cyclic Voltammetry Method**
SAATCI T., SALAMCI E., ÜNAL R., GİDİKOVA N., VALOV R., VLADİMİR P.
1st International Symposium on Multidisciplinary Studies and Innovative Technologies, Tokat, Turkey, 2 - 04 November 2017, pp.49-54
- X. Synthesis, characterization and tribological studies of Chromium-Nano diamond composite coating**
Zoghypour N., SALAMCI E., ÜNAL R., gidikova n., valov r., petkov v.
3rd Iron and Steel Symposium(UDCS'17), Karabük, Turkey, 3 April - 05 December 2017, pp.291-296
- XI. Evaluation of Metallic and Composite Materials Used in Aircraft Wings**
TÜZEMEN M. Ç., ÇALIŞ A., salamcı E., GENCER C.
2. st International Congress on Engineering Architecture and Design, 12 - 13 May 2017
- XII. EFFECT OF MICROSTRUCTURE ON MECHANICAL PROPERTIES AND ABRASIVE WEAR BEHAVIOR OF LOW CARBON DUAL-PHASE STEELS**
TÜZEMEN M. Ç., SALAMCI E.
12th ASME Biennial Conference on Engineering Systems Design and Analysis (ESDA2014), Copenhagen, Denmark, 25 - 27 June 2014
- XIII. Effect of Epitaxial Ferrite on Corrosion Behavior of Dual Phase Steels**
SALAMCI E., CANDAN Ş.
EUROCORR 2012 The European Corrosion Congress, İstanbul, Turkey, 9 - 13 September 2012, pp.257
- XIV. Yeni Ferrit Hacim Oranının Çift Fazlı Çelikte Çekme Özlellikleri Üzerine Etkisi**
KABAKCI F., SALAMCI E.
5. Uluslararası İleri Teknolojiler Sempozyumu (IATS'09), Karabük, Turkey, 13 - 15 May 2009
- XV. The Friction Behaviour on the External Surface of the Friction Stir Welding of AA 6063 T6 Tubes**
GERÇEKÇİOĞLU E., EREN T., YILDIZLI K., KAHRAMAN N., SALAMCI E.
BalkanTrib'05 5 th International Conference on Tribology, Kragujevac, Serbia, 15 - 18 June 2005, pp.225-228
- XVI. Çift fazlı çeliklerin korozyon davranışı üzerine kritik tavlama sıcaklığı ve soğuma hızının etkisi**
DEMİR B., CANDAN Ş., SALAMCI E., ERDOĞAN M.
Proceedings of the IX th International Corrosion Symposium, Ankara, Turkey, 22 - 25 September 2004, vol.2, pp.495-501

Metrics

Publication: 50

Citation (WoS): 129

Citation (Scopus): 175

H-Index (WoS): 6

H-Index (Scopus): 9

Non Academic Experience

ÖSYM

T.C. Başbakanlık Özelleştirme İdaresi Başkanlığı