

## Assoc. Prof. ELMAS SALAMCI

### Personal Information

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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

### 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

Kompozit Malzemeler, Postgraduate, 2016 - 2017

Materials Science, Undergraduate, 2016 - 2017

### Advising Theses

Salamci E., Seçici lazer ergitme yöntemiyle üretilen geçişli gözenekli yapılarda tasarım değişkenlerinin fiziksel ve mekanik özelliklere etkilerinin araştırılması, 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 Monolithiccarbon 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., Design And Manufacturing Of Below-Knee Prosthetic Leg And Composite Foot, Postgraduate, Ş.ÖZKAN(Student), 2019

SALAMCI E., The Effect Of Positive Grid Surface Treatments On Lead Acid Battery Performance, Postgraduate, İ.GÜRSOY(Student), 2019

SALAMCI E., Investigation Of Mechanical Properties Of Glass/Epoxy Nanocomposites Laminates Enhanced With Graphene, Postgraduate, F.KHAKZAD(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., SPEX tipi alaşımlama cihazının tasarımı, imalatı ve alüminyum-bazlı kompozit tozlarının üretimi, Postgraduate, H.KAYA(Student), 2003

SALAMCI E., ERDOĞAN M., Ereğli demir ve çelik fabrikaları sürekli tavlama hatlarında çift-fazlı çelik üretilebilirliğinin incelenmesi, Doctorate, B.DEMİR(Student), 2003

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Investigation of the relationship between flexural modulus of elasticity and functionally graded porous structures manufactured by AM**  
TÜZEMEN M. Ç. , SALAMCI E., ÜNAL R.  
Materials Today Communications, vol.31, 2022 (Journal Indexed in SCI Expanded)
- II. **Investigation of Wear Behaviors of Nanodiamond Particles Added Chromium Coating on Porous Powder Metallurgy Specimens**  
Zoghipour N., SALAMCI E., ÜNAL R., Valov R., Petkov V.  
Protection of Metals and Physical Chemistry of Surfaces, 2022 (Journal Indexed in SCI Expanded)
- III. **Investigation of Tensile Properties of Glass Fiber/Epoxy Nanocomposites Laminates Enhanced with Graphene Nanoparticles**  
TÜZEMEN M. Ç. , Khakzad F., SALAMCI E.  
FIBERS AND POLYMERS, 2021 (Journal Indexed in SCI)
- IV. **The effects on the flexural strength and impact behavior of nanographene ratio of the glass fiber nanocomposite plates**  
Khakzad F., TÜZEMEN M. Ç. , SALAMCI E., Anil Ö.  
Polymer Engineering and Science, vol.59, no.10, pp.2082-2091, 2019 (Journal Indexed in SCI Expanded)
- V. **Enhancing mechanical properties of bolted carbon/epoxy nanocomposites with carbon nanotube, nanoclay, and hybrid loading**  
TÜZEMEN M. Ç. , SALAMCI E., AVCI A.  
COMPOSITES PART B-ENGINEERING, vol.128, pp.146-154, 2017 (Journal Indexed in SCI)
- VI. **Effect of microstructure on high cycle fatigue behavior of high martensitic dual phase steels**  
Saatci T., SALAMCI E.  
MATERIALS TESTING, vol.59, no.4, pp.315-322, 2017 (Journal Indexed in SCI)
- VII. **Effect of microstructure on corrosion behavior of dual-phase steels**  
Salamci E., Candan S., Kabakci F.  
KOVOVE MATERIALY-METALLIC MATERIALS, vol.55, no.2, pp.133-139, 2017 (Journal Indexed in SCI)

- VIII. **The effect of microstructure on tensile strength of high martensite dual-phase steels**  
Saatci T., Salamci E.  
KOVVOVE MATERIALY-METALLIC MATERIALS, vol.55, no.5, pp.333-342, 2017 (Journal Indexed in SCI)
- IX. **Investigation of corrosion behaviour of porous powder metallurgy parts electrochemically coated with diamond nano particles modified chromium**  
Bilgili E. Z. , SALAMCI E., ASAN A., ÜNAL R., Valov R.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.31, no.3, pp.580-589, 2016 (Journal Indexed in SCI)
- X. **Calorimetric and transmission electron microscopy studies of spray deposited Al-Zn-Mg-Cu alloys**  
Salamci E.  
MATERIALS SCIENCE AND TECHNOLOGY, vol.20, no.7, pp.859-863, 2004 (Journal Indexed in SCI)
- XI. **Microstructure and mechanical properties of spray deposited and extruded 7000 series aluminium alloys**  
Salamci E., Cochrane R.  
MATERIALS SCIENCE AND TECHNOLOGY, vol.19, no.8, pp.1130-1136, 2003 (Journal Indexed in SCI)
- XII. **Investigation of secondary phase particles in spray deposited 7000 series aluminium alloys**  
Salamci E., Cochrane R.  
MATERIALS SCIENCE AND TECHNOLOGY, vol.18, no.12, pp.1445-1452, 2002 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **Investigation of Compatibility Between Design and Additively Manufactured Parts of Functionally Graded Porous Structures**  
ÜNAL R., YILMAZ O., SALAMCI E., TÜZEMEN M. Ç. , Dursun A. M.  
Journal of Polytechnic, vol.1, no.1, pp.1-14, 2021 (Other Refereed National Journals)
- II. **Uçak - Yıldırım Etkileşimi**  
KİÇECİ E. C. , SALAMCI E.  
European Journal of Science and Technology, pp.177-187, 2020 (Other Refereed National Journals)
- III. **Electrolyte Coatings of Chromium With Nano-diamonds on Sintered Steels**  
Gıdıkova N., Valov R., Petkov V., Salamci E., Bilgili Z., Ünal R.  
Transactions of Foundry Research Institute, vol.57, no.4, pp.333-336, 2017 (Refereed Journals of Other Institutions)
- IV. **Effect of Nanodiamonds Modification of Chromium Coating on Sintered Ferrous Materials**  
Gıdıkova N., Salamci E., Petkov V., Valov R., Ünal R.  
Journal of Materials Science and Technology, vol.25, no.2, pp.80-85, 2017 (Refereed Journals of Other Institutions)
- V. **Effect of Nano-Diamond Modification of Chromium Coating on Sintered Ferrous Materials**  
Gıdıkova N., Salamci E., Valov R., Petkov V., Ünal R.  
Journal of Materials Science and Technology, vol.25, no.2, pp.80-85, 2017 (Refereed Journals of Other Institutions)
- VI. **DistaloyAB Tozundan Üretilmiş ve Elmas Nanoparçacık Katkılı Krom Kaplanmış Toz Metal Malzemelerin Korozyon Davranışlarının Araştırılması**  
Emine Zeynep B., Salamci E., Asan A.  
Politeknik Dergisi, vol.20, no.1, pp.223-230, 2017 (Other Refereed National Journals)
- VII. **Karbon Fiber/Epoksi Nanokompozit Plakalarda Nanopartikül Katkısının Fiber Matris ve Boşluk Hacim Oranlarına Etkisi**  
TÜZEMEN M. Ç. , SALAMCI E., AVCI A.  
Gazi Üniversitesi Fen Bilimleri Dergisi Part C:Tasarım ve Teknoloji, vol.5, no.1, pp.11-19, 2017 (Other Refereed National Journals)
- VIII. **Design and Analysis of Lightweight Automotive Component for Turbocharger Units**  
TÜZEMEN M. Ç. , AĞAOĞLU M., KARAKAYA M., SALAMCI E., KÜÇÜKTÜRK G.  
Manufacturing Science and Technology, vol.3, no.5, pp.278-285, 2015 (Refereed Journals of Other Institutions)

- IX. Manufacturing of Spex Type Mechanical Alloying Machine and Product f Aluminium Based Composite Powders**  
SALAMCİ E.  
Technology (Teknoloji), vol.12, no.1, pp.69-77, 2009 (Other Refereed National Journals)
- X. Spray Casting (Sprey Döküm)**  
SALAMCİ E.  
G.U. Journal of Science (G.Ü. Fen Bilimleri Dergisi), vol.17, no.2, pp.153-171, 2004 (Other Refereed National Journals)
- XI. Directonality in the Mechanical Properties of Spray Cast and Extruded 7xxx Series Aluminum Alloys**  
SALAMCİ E.  
Turkish Journal of Engineering and Enviromental Science, vol.27, no.3, pp.169-176, 2003 (Refereed Journals of Other Institutions)
- XII. Mechanical Properties of Spray Cast 7xxx Series Alminium Alloys**  
SALAMCİ E.  
Turkish Journal of Engineering and Enviromental Science, vol.26, no.4, pp.345-352, 2002 (Refereed Journals of Other Institutions)
- XIII. Ageing Behaviour of Spray Cast Al Zn Cu Mg Alloys**  
SALAMCİ E.  
Turkish Journal of Engineering and Enviromental Science, vol.25, no.6, pp.681-686, 2001 (Refereed Journals of Other Institutions)

### **Refereed Congress / Symposium Publications in Proceedings**

- I. 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
- II. 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
- III. Comparison of radome sandwich composite structures with finite element method**  
ÖZDEMİR B., SALAMCİ E., KULOĞLU M.  
ICCST/12 12th International Conference on Composite Science and Technology, Sorrento, Italy, 8 - 10 May 2019
- IV. Analysis and Manufacturing of Wooden Core and Glass Fiber/Epoxy Face Sheets Sandwich Composite Electric Skateboard**  
YILDIZ B., PALABIYIK G. C. , TÜZEMEN M. Ç. , SALAMCİ E.  
4th International Conference on Engineering and Natural Science, 2 - 06 May 2018
- V. Hücresel yapıli tasarımlarda boşluk değeriinin 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
- VI. Fırlatma Mekanizmasına Sahip Kompozit İnsansız Hava Aracı Tasarımı ve Üretimi**  
Gerçeker H., Konuk D., Keskin Y. E. , Ercan K., Akay M., TÜZEMEN M. Ç. , SALAMCİ E.  
The International Conference on Materials Science, Mechanical and Automotive Engineerings and Technology, 10 - 12 April 2018
- VII. Investigating The Corrosion Behavior of Electrodeposited Nickel-Nano Diamond Composite Coating On Porous Materials by The Cyclic Voltammetry Method**  
SAATCI T., SALAMCİ 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

- VIII. **Synthesis, characterization and tribological studies of Chromium-Nano diamond composite coating**  
Zoghipour 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
- IX. **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
- X. **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
- XI. **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
- XII. **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
- XIII. **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
- XIV. **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

## Citations

Total Citations (WOS):85

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