

## Prof. EMEL TABAN

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: F-5226-2018

ScopusID: 24068114300

Yoksis Researcher ID: 153165

### Education Information

Doctorate, Kocaeli University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, Turkey 2004 - 2007

Postgraduate, Kocaeli University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, Turkey 2002 - 2004

Undergraduate, Ataturk University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Turkey 1998 - 2002

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Yapısal Uygulamalar İçin Geliştirilen Modifiye 12 Cr Ferritik Paslanmaz Çeliğinin Özellikleri ve Kaynak Kabiliyeti (Weldability and Properties of Modified 12 Cr Ferritic Stainless Steel for Structural Applications)- Tez, Erasmus değişim öğrencisi olarak Belçika Gent Üniversitesi'nde bulunmam ve tez eş danışmanımın Prof. Dhooge olması nedeniyle o dönemki FBE yönetmeliği gereği hem İngilizce hem Türkçe dillerinde yazılmış ve İngilizce olarak savunulmuştur., Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, 2007

Postgraduate, 5xxx Serisi Alüminyum Alaşımlarının TIG, MIG ve Sürtünen Eleman ile Birleştirme (FSW) Kaynaklı Bağlantılarının Mekanik ve Mikroyapısal Özelliklerinin İncelenmesi (Investigation on Mechanical and Microstructural Properties of TIG, MIG and Friction Stir Welded 5xxx Series Aluminum Alloys), Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, 2004

### Research Areas

Non-traditional manufacturing methods, Welding Methods, Material, Engineering and Technology

### Academic Titles / Tasks

Professor, Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, 2018 - Continues

Associate Professor, Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, 2012 - 2018

## Academic and Administrative Experience

IAESTE (International Association for the Exchange of Students for Technical Experience) Kocaeli Üniversitesi  
Kooridinatörü, Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, 2015 - Continues  
Deputy Director of the Center, Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, 2012 - Continues  
Erasmus Coordinator, Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, 2016 - 2019  
Farabi Coordinator, Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, 2015 - 2019

## Courses

Final Project, Undergraduate, 2019 - 2020  
Mechanical Engineering Lab., Undergraduate, 2019 - 2020  
Mechanical Design Project, Undergraduate, 2019 - 2020  
Modern Kaynak Yöntemleri, Postgraduate, 2017 - 2018  
Kaynağın Fiziksel Metalurjisi, Postgraduate, 2017 - 2018  
Çelik Üretim Teknolojisindeki Gelişmeler ve Yeni Nesil Çelikler, Undergraduate, 2017 - 2018

## Advising Theses

Taban E., T, Postgraduate, H.Nüman(Student), 2018  
Taban E., T, Postgraduate, B.Gülşah(Student), 2018  
Taban E., T, Doctorate, O.Oladimeji(Student), 2016  
Taban E., T, Postgraduate, E.Ünel(Student), 2016

## Jury Memberships

Doctoral Examination, Doctoral Examination, Marmara Üniversitesi, November, 2024  
Doctoral Examination, Doctoral Examination, Marmara Üniversitesi, November, 2024  
Doctorate, Doctorate, Kocaeli Üniversitesi, July, 2024  
Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, April, 2024  
Doctoral Examination, Doctoral Examination, Kocaeli Üniversitesi, April, 2024  
Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship,  
Erzincan Binali Yıldırım Üniversitesi, January, 2024  
Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship,  
Kahramanmaraş Sütçü İmam Üniversitesi, January, 2024  
Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Universitat de Barcelona,  
September, 2023  
Post Graduate, Post Graduate, Türk-Alman Üniversitesi, July, 2023  
Associate Professor Exam, Associate Professor Exam, Eskişehir Osmangazi Üniversitesi, May, 2023  
Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship,  
Kocaeli Üniversitesi, May, 2023  
Associate Professor Exam, Associate Professor Exam, Aydın Adnan Menderes Üniversitesi, May, 2023  
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Konya Teknik Üniversitesi, March,  
2022  
Associate Professor Exam, Associate Professor Exam, Konya Teknik Üniversitesi, February, 2022  
Committee Of Expert, Committee Of Expert, Kocaeli University, January, 2022

Associate Professor Exam, Associate Professor Exam, Erciyes Üniversitesi, December, 2020  
Associate Professor Exam, Associate Professor Exam, Kocaeli Üniversitesi, December, 2020  
Associate Professor Exam, Associate Professor Exam, Mersin Üniversitesi, November, 2020  
Associate Professor Exam, Associate Professor Exam, Karabük Üniversitesi, September, 2020

## **Published journal articles indexed by SCI, SSCI, and AHCI**

- I. **Biocompatibility of biomaterials and test methods: a review**  
Taban E., Karakullukcu A. B., Ojo O. O.  
MATERIALPRUEFUNG/MATERIALS TESTING, vol.65, no.4, pp.545-559, 2023 (SCI-Expanded)
- II. **Post-processing treatments–microstructure–performance interrelationship of metal additive manufactured aerospace alloys: a review**  
Ojo O. O., Taban E.  
MATERIALS SCIENCE AND TECHNOLOGY, vol.39, pp.1-41, 2023 (SCI-Expanded)
- III. **Defects and post-manufacturing processes of additively manufactured steels: A Review (Part 2)**  
Ojo O. O., TABAN E.  
MATERIALS TESTING, vol.62, no.8, pp.835-848, 2020 (SCI-Expanded)
- IV. **Microstructure, Mechanical and Corrosion Behavior of Additively Manufactured Steel: A Review (Part 1)**  
Taban E., Ojo O. O.  
Materialprufung, vol.62, no.5, pp.503-516, 2020 (SCI-Expanded)
- V. **Effect of inoculant type and treatment material quantity on properties of vermicular graphite cast iron vehicle brake discs**  
Er O., Kaluç E., Taban E., Özsaraç U.  
Materialprufung, vol.61, no.12, pp.1197-1207, 2019 (SCI-Expanded)
- VI. **Effect of inoculant type and treatment material quantity on properties of vermicular graphite cast iron rail vehicle brake discs**  
Er O., KALUÇ E., TABAN E., ÖZSARAÇ U.  
MATERIALS TESTING, vol.61, no.12, pp.1197-1207, 2019 (SCI-Expanded)
- VII. **Cyclic lateral behavior of friction stir spot welds of AA2219 aluminum alloy: impact of inherent flow defects**  
Ojo O. O., Taban E., Kaluç E., Şık A.  
Kovove Materialy-Metallic Materials, vol.57, no.5, pp.329-347, 2019 (SCI-Expanded)
- VIII. **Dissimilar robotic cold metal transfer (CMT) welding of an aluminum alloy to galvanized steel**  
Numan H., TABAN E.  
Materialpruefung/Materials Testing, vol.61, no.1, pp.91-96, 2019 (SCI-Expanded)
- IX. **Effect of residual Alclad on friction stir spot welds of AA2219 alloys**  
Ojo O. O., Taban E., Kaluç E.  
Materialpruefung/Materials Testing, vol.60, pp.979-988, 2018 (SCI-Expanded)
- X. **Hybrid multi-response optimization of friction stir spot welds: failure load, effective bonded size and flash volume as responses**  
Ojo O. O., TABAN E.  
SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, vol.43, no.6, 2018 (SCI-Expanded)
- XI. **Properties and optimization of friction stir spot welded aluminum alloy 3003-H14**  
Taban E., Gun D., Kaluç E., Baynal K.  
Materialpruefung/Materials Testing, vol.60, pp.367-372, 2018 (SCI-Expanded)
- XII. **Loop travel-path of fibre laser welded Alclad AA2219-O alloy**  
Ojo O. O., Taban E., Kaluç E.  
Journal of Materials Processing Technology, vol.251, pp.118-126, 2018 (SCI-Expanded)
- XIII. **Properties and optimization of dissimilar aluminum steel CMT welds**

- Unel E., TABAN E.  
WELDING IN THE WORLD, vol.61, no.1, pp.1-9, 2017 (SCI-Expanded)
- XIV. **Understanding the role of welding parameters and tool profile on the morphology and properties of expelled flash of spot welds**  
Oladimeji O. O., Taban E., Kaluç E.  
Materials and Design, vol.108, pp.518-528, 2016 (SCI-Expanded)
- XV. **Trend and innovations in laser beam welding of wrought aluminum alloys**  
Oladimeji O. O., Taban E.  
Welding in the World, vol.60, no.3, pp.415-457, 2016 (SCI-Expanded)
- XVI. **Properties, weldability and corrosion behavior of supermartensitic stainless steels for on-and offshore applications**  
TABAN E., KALUÇ E., Ojo O. O.  
Materialpruefung/Materials Testing, vol.58, no.6, pp.501-518, 2016 (SCI-Expanded)
- XVII. **Friction stir spot welding of aluminum alloys: A recent review**  
Ojo O. O., Taban E., Kaluç E.  
Materialpruefung/Materials Testing, vol.57, pp.609-627, 2015 (SCI-Expanded)
- XVIII. **Mechanical, fatigue and microstructural properties of friction stir welded 5083-H111 and 6082-T651 aluminum alloys**  
Gungor B., Kaluç E., Taban E., Sik A.  
MATERIALS & DESIGN, vol.56, pp.84-90, 2014 (SCI-Expanded)
- XIX. **Effect of the purging gas on properties of 304H GTA welds**  
TABAN E., KALUÇ E., Aykan T.  
Welding Journal, vol.93, no.4, 2014 (SCI-Expanded)
- XX. **Mechanical and microstructural properties of robotic Cold Metal Transfer (CMT) welded 5083-H111 and 6082-T651 aluminum alloys**  
Gungor B., Kaluç E., Taban E., Sik Ş.Ş A.  
Materials and Design, vol.54, pp.207-211, 2014 (SCI-Expanded)
- XXI. **Effect of the purging gas on properties of Ti stabilized AISI 321 stainless steel TIG Welds**  
Taban E., Kaluç E., Aykan T. S.  
Materialpruefung/Materials Testing, vol.56, pp.950-957, 2014 (SCI-Expanded)
- XXII. **Effect of the consumable on the properties of gas metal arc welded EN 1.4003-type stainless steel**  
TABAN E., Dhooge A., KALUÇ E., Deleu E.  
Welding Journal, vol.91, no.8, 2012 (SCI-Expanded)
- XXIII. **Welding behaviour of duplex and superduplex stainless steels using laser and plasma arc welding processes**  
Taban E., Kaluç E.  
Welding in the World, vol.55, pp.48-57, 2011 (SCI-Expanded)
- XXIV. **Dissimilar friction welding of 6061-T6 aluminum and AISI 1018 steel: Properties and microstructural characterization**  
TABAN E., Gould J. E., Lippold J. C.  
Materials and Design, vol.31, no.5, pp.2305-2311, 2010 (SCI-Expanded)
- XXV. **Characterization of 6061-T6 aluminum alloy to AISI 1018 steel interfaces during joining and thermo-mechanical conditioning**  
Taban E., Gould J. E., Lippold J. C.  
Materials Science and Engineering A, vol.527, pp.1704-1708, 2010 (SCI-Expanded)
- XXVI. **Hybrid (plasma + gas tungsten arc) weldability of modified 12% Cr ferritic stainless steel**  
TABAN E., KALUÇ E., Dhooge A.  
Materials and Design, vol.30, no.10, pp.4236-4242, 2009 (SCI-Expanded)
- XXVII. **POSSIBILITIES AND LIMITATIONS TO IMPROVE THE WELDABILITY OF LOW CARBON 12Cr FERRITIC STAINLESS STEEL FOR EXPANDED INDUSTRIAL APPLICATIONS**  
DELEU E., DHOOGHE A., TABAN E., KALUÇ E.

- WELDING IN THE WORLD, vol.53, 2009 (SCI-Expanded)
- XXVIII. **Laser welding of modified 12% Cr stainless steel: Strength, fatigue, toughness, microstructure and corrosion properties**  
Taban E., Deleu E., Dhooge A., Kaluç E.  
Materials and Design, vol.30, pp.1193-1200, 2009 (SCI-Expanded)
- XXIX. **Plasma Arc Welding of Modified 12%Cr Stainless Steel**  
TABAN E., DHOOGHE A., KALUÇ E.  
MATERIALS AND MANUFACTURING PROCESSES, vol.24, no.6, pp.649-656, 2009 (SCI-Expanded)
- XXX. **Evaluation of dissimilar welds between ferritic stainless steel modified 12% Cr and carbon steel S355**  
Taban E., Deleu E., Dhooge A., Kaluç E.  
Welding Journal (Miami, Fla), vol.87, 2008 (SCI-Expanded)
- XXXI. **Joining of duplex stainless steel by plasma arc, TIG, and plasma arc+TIG welding processes**  
TABAN E.  
Materials and Manufacturing Processes, vol.23, no.8, pp.871-878, 2008 (SCI-Expanded)
- XXXII. **Submerged arc welding of thick ferritic martensitic 12Cr stainless steel with a variety of consumables**  
Taban E., Deleu E., Dhooge A., Kaluç E.  
Science and Technology of Welding and Joining, vol.13, pp.327-334, 2008 (SCI-Expanded)
- XXXIII. **Toughness and microstructural analysis of superduplex stainless steel joined by plasma arc welding**  
TABAN E.  
Journal of Materials Science, vol.43, no.12, pp.4309-4315, 2008 (SCI-Expanded)
- XXXIV. **Comparison between microstructure characteristics and joint performance of 5086-H32 aluminium alloy welded by MIG, TIG and friction stir welding processes**  
Taban E., Kaluç E.  
Kovove Materialy, vol.45, pp.241-248, 2007 (SCI-Expanded)
- XXXV. **Gas metal arc welding of modified X2CrNi2 ferritic stainless steel**  
Taban E., Deleu E., Dhooge A., Kaluç E.  
Kovove Materialy, vol.45, pp.67-74, 2007 (SCI-Expanded)
- XXXVI. **Microstructural and mechanical properties of double-sided MIG, TIG and friction stir welded 5083-H321 aluminium alloy**  
Taban E., Kaluç E.  
Kovove Materialy, vol.44, pp.25-33, 2006 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Enhancement of material properties of SS 316 L base metal by TIG cladding process**  
Taban E., Kumar V., Krishna R. P.  
Journal of Alloys and Metallurgical Systems, vol.8, pp.100121, 2024 (Peer-Reviewed Journal)
- II. **Enhancement of material properties of SS 316 L base metal by TIG cladding process**  
Varun Kumar A., Pradeep Krishna R., TABAN E.  
Journal of Alloys and Metallurgical Systems, vol.8, 2024 (Scopus)
- III. **Alüminyum ve Alüminyum Alaşımlarının Ark Kaynak Yöntemleri ile Birleştirilmesi**  
Kaluç E., Taban E.  
Metal Dünyası, no.174, pp.130-162, 2007 (Peer-Reviewed Journal)
- IV. **Yapısal Uygulamalar İçin Geliştirilen Modifiye 12 Cr Ferritik Paslanmaz Çeliğinin Tozaltı Kaynaklı Bağlantılarının Özellikleri**  
Taban E., Kaluç E., Deleu E., Dhooge A.  
Mühendis ve Makina, vol.48, no.573, pp.3-10, 2007 (Peer-Reviewed Journal)
- V. **Sürtünen Eleman ile Kaynak (FSW) Yöntemi Makinaları Bölüm 2.- Özel Geliştirilmiş FSW Makinaları**

- Taban E., Kalu E.  
MakinaTEK, no.111, pp.68-73, 2007 (Non Peer-Reviewed Journal)
- VI. **Microstructural Analysis and Structure-Property Relationship of SMAW Welded 12 Cr Stainless Steel**  
Taban E., Deleu E., Dhooge A., Kalu E.  
Deformasyon Sac İřleme (International Forming and Sheet Metal Technologies), no.4, pp.60-64, 2007 (Peer-Reviewed Journal)
- VII. **Sürtünen Eleman ile Kaynak (FSW) Yöntemi Makinaları Bölüm 1.- Alıřılmış FSW Makinaları**  
Taban E., Kalu E.  
MakinaTEK, no.110, pp.100-105, 2007 (Peer-Reviewed Journal)
- VIII. **Alüminyum ve Alařımlarının Plazma Ark Kaynağındaki Geliřmeler**  
Kalu E., Taban E.  
Metal Dünyası, no.164, pp.104-112, 2007 (Peer-Reviewed Journal)
- IX. **Krom-Nikelli Paslanmaz elikler ve Modifiye Edilmiş Türleri**  
Kalu E., Taban E.  
Metal Dünyası, no.163, pp.124-133, 2006 (Peer-Reviewed Journal)
- X. **Havacılık, Uzay, Tařıt ve Gemi Yapım Endüstrilerinde Kullanılan Sürtünen Eleman ile Birleřtirme (FSW) Kaynak Yönteminin Esasları**  
Taban E., Kalu E.  
MakinaTEK, no.12, pp.52-57, 2006 (Peer-Reviewed Journal)
- XI. **Havacılık, Uzay, Tařıt ve Gemi Yapım Endüstrilerinde Kullanılan Sürtünen Eleman ile Birleřtirme (FSW) Kaynak Yönteminin Esasları**  
Taban E., Kalu E.  
MakinaTek, no.112, pp.52-57, 2006 (Peer-Reviewed Journal)
- XII. **Alüminyum ve Alüminyum Alařımlarının Kaynağı İin Kaynak Ağızlarının Hazırlanması- Bölüm 2**  
Taban E., Kalu E.  
MakinaTek, Ađustos, 116- 121 (2006)., no.111, pp.116-121, 2006 (Peer-Reviewed Journal)
- XIII. **Alüminyum ve Alüminyum Alařımlarının Kaynağı İin Kaynak Ağızlarının Hazırlanması- Bölüm 1", MakinaTek, Temmuz, 106- 110 (2006).**  
Kalu E., Taban E.  
MakinaTek, Temmuz, 106- 110 (2006)., no.110, pp.106-110, 2006 (Peer-Reviewed Journal)
- XIV. **Paslanmaz eliklerin Laser Kaynağı**  
Taban E., Kalu E.  
Metal Dünyası, no.157, pp.96-103, 2006 (Peer-Reviewed Journal)
- XV. **Alüminyum ve Alüminyum Alařımlarının TIG Kaynağı- Bölüm 2**  
Taban E., Kalu E.  
MakinaTEK, no.102, pp.122-126, 2006 (Peer-Reviewed Journal)
- XVI. **Alüminyum ve Alüminyum Alařımlarının TIG Kaynağı- Bölüm 1**  
Taban E., Kalu E.  
MakinaTEK, no.101, pp.118-124, 2006 (Peer-Reviewed Journal)
- XVII. **Elektrocuruf Kaynağı ve Endüstriyel Uygulamaları**  
Taban E., Kalu E., Dhooge A.  
Metal Dünyası, no.156, pp.100-106, 2006 (Peer-Reviewed Journal)
- XVIII. **Termit Kaynağı ve Uygulama Alanları**  
Kalu E., Taban E.  
MakinaTEK, no.96, pp.116-121, 2005 (Peer-Reviewed Journal)
- XIX. **Alüminyum ve Alüminyum Alařımlarının MIG Kaynağı**  
Kalu E., Taban E.  
Metal Dünyası, no.144, pp.130-141, 2005 (Peer-Reviewed Journal)
- XX. **Dođalgaz Boru Hatlarında Kullanılan Polietilen Boruların Kaynağı- Bölüm 2: Alın ergitme ve ekstrüzyon Kaynağı**  
Kalu E., Taban E.

- MakinaTEK, no.96, pp.118-124, 2005 (Peer-Reviewed Journal)
- XXI. **Alüminyum ve Alüminyum Alaşımlarının Kaynak Kabiliyeti**  
Kaluç E., Taban E.  
Metal Dünyası, no.143, pp.154-162, 2005 (Peer-Reviewed Journal)
- XXII. **Doğalgaz Boru Hatlarında Kullanılan Polietilen Boruların Kaynağı- Bölüm 1: Elektro ergitme Kaynağı**  
Kaluç E., Taban E.  
MakinaTEK, no.96, pp.118-125, 2005 (Peer-Reviewed Journal)
- XXIII. **Alüminyum ve Alüminyum Alaşımların Standard Gösterimleri**  
Kaluç E., Taban E.  
MakinaTEK, no.90, pp.178-185, 2005 (Peer-Reviewed Journal)
- XXIV. **EN AW-5083-H321 Alüminyum Alaşımının MIG, TIG ve Sürtünen Eleman ile Birleştirme (FSW) Kaynaklı Bağlantılarının Mekanik ve Mikroyapısal Özellikleri**  
Taban E., Kaluç E.  
Mühendis ve Makina, vol.46, no.541, pp.40-51, 2005 (Peer-Reviewed Journal)
- XXV. **Alüminyum ve Alüminyum Alaşımları- Endüstriyel Uygulama Alanları**  
Taban E., Kaluç E.  
Metal Dünyası, no.141, pp.107-114, 2005 (Peer-Reviewed Journal)
- XXVI. **Sürtünen Eleman ile Birleştirme (FSW) Kaynaklı EN AW-5083- EN AW-5086 Alüminyum Alaşımı Bağlantılarının Mekanik ve Mikroyapısal Özellikleri**  
Taban E., Kaluç E.  
Metal Dünyası, no.140, pp.84-90, 2005 (Peer-Reviewed Journal)
- XXVII. **Katı Oksit Yakıt Pillerindeki Gelişmeler**  
Taban E., Kaluç E.  
Metal Dünyası, no.139, pp.95-101, 2004 (Peer-Reviewed Journal)
- XXVIII. **Yakıt Pilleri ve Endüstriyel Uygulamaları**  
Taban E., Kaluç E.  
MakinaTEK, no.86, pp.120-127, 2004 (Peer-Reviewed Journal)
- XXIX. **Plazma Arkı ile Kaynak ve Endüstriyel Uygulamaları” Bölüm II**  
Kaluç E., Taban E.  
MakinaTEK, no.83, pp.97-101, 2004 (Peer-Reviewed Journal)
- XXX. **Sürtünen Eleman ile Birleştirme (FSW) Kaynaklı EN AW-5086 Alüminyum Alaşımı Bağlantılarının Mekanik ve Mikroyapısal Özellikleri**  
Taban E., Kaluç E.  
Metal Dünyası, no.138, pp.63-68, 2004 (Peer-Reviewed Journal)
- XXXI. **Sürtünen Eleman ile Birleştirme (FSW) Kaynaklı EN AW-5083 Alüminyum Alaşımı Bağlantılarının Mekanik ve Mikroyapısal Özellikleri**  
Taban E., Kaluç E.  
Metal Dünyası, no.137, pp.125-130, 2004 (Peer-Reviewed Journal)
- XXXII. **Plazma Arkı ile Kaynak ve Endüstriyel Uygulamaları” Bölüm 1**  
Kaluç E., Taban E.  
MakinaTEK, no.82, pp.116-123, 2004 (Peer-Reviewed Journal)
- XXXIII. **Alüminyum ve Alüminyum Alaşımlarının Sürtünen Eleman ile Birleştirme Kaynağında (FSW) Kaynak Bölgesinin Mikroyapısal Özellikleri**  
Taban E., Kaluç E.  
Metal Dünyası, no.136, pp.131-140, 2004 (Peer-Reviewed Journal)
- XXXIV. **Petrol ve Doğalgaz Boru Hatlarının Yapımında Kullanılan Süpermartenzitik Paslanmaz Çelikler ve Kaynak Edilebilirliği**  
Taban E., Kaluç E.  
Mühendis ve Makina, vol.45, no.536, pp.26-37, 2004 (Peer-Reviewed Journal)
- XXXV. **Laser Işını ile Kaynak Yöntemi**  
Kaluç E., Taban E.

- MakinaTEK, no.80, pp.76-85, 2004 (Peer-Reviewed Journal)
- XXXVI. **Alüminyum ve Alüminyum Alaşımlarının Sürtünen Eleman ile Birleştirme (FSW) Kaynağı ve Endüstriyel Uygulamaları**  
Taban E., Kaluç E.  
Metal Dünyası, no.135, pp.79-84, 2004 (Peer-Reviewed Journal)
- XXXVII. **Elektron Işın Kaynağındaki Gelişmeler**  
Kaluç E., Taban E.  
MakinaTek, no.6, pp.102-110, 2004 (Peer-Reviewed Journal)
- XXXVIII. **Süpermartenzitik Paslanmaz Çelikler, Kaynak Kabiliyetleri ve Korozyon Davranışları**  
Taban E., Kaluç E.  
Metal Dünyası, no.133, pp.117-125, 2004 (Peer-Reviewed Journal)
- XXXIX. **Elektron Işın Kaynağındaki Gelişmeler**  
Kaluç E., Taban E.  
MakinaTEK, pp.102-110, 2004 (Peer-Reviewed Journal)
- XL. **"Petrol ve Doğalgaz Boru Hatlarının Yapımında Kullanılan Süpermartenzitik Paslanmaz Çelikler ve Kaynak Edilebilirliği**  
Taban E., Kaluç E.  
Metal Dünyası, vol.12, no.132, pp.77-83, 2004 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Paslanmaz Çelikler Geliştirilen Yeni Türleri ve Kaynak Edilebilirlikleri** Erdinç KALUÇ Emel TABAN KALUÇ E., TABAN E.  
TMMOB Makina Mühendisleri Odası, Ankara, 2007
- II. **SÜRTÜNEN ELEMAN İLE KAYNAK (FSW) YÖNTEMİ (SÜRTÜNME KARIŞTIRMA KAYNAĞI)**  
Kaluç E., Taban E.  
TMMOB Makine Mühendisleri Odası Yayınları, Ankara, 2007
- III. **Paslanmaz Çelikler, Geliştirilen Yeni Türleri ve Kaynak Edilebilirlikleri**  
Kaluç E., Taban E.  
TMMOB Makine Mühendisleri Odası Yayınları, Ankara, 2007
- IV. **İleri Kaynak Teknolojisi Ders Notları**  
Kaluç E., Taban E.  
Kocaeli Üniversitesi Yayını, Kocaeli, 2003

## Refereed Congress / Symposium Publications in Proceedings

- I. **Purge Gas for Welding of Stainless Steel Pipes: Must or Luxury?**  
Taban E.  
WAM 2024- 2. International Conference and Exhibition- Advances in Welding and Metal Additive Manufacturing Technologies, İstanbul, Turkey, 21 - 22 November 2024, pp.1-2
- II. **Dissimilar Welding: A Growth Area or a Challenge**  
Taban E.  
12th Int. Congress on Engineering and Technology Management, İstanbul, Turkey, 8 - 10 November 2024
- III. **Laser Welding of Aluminum to Copper: Properties of the Welded Joints and Optimization of Parameters**  
Şahin F., Taban E.  
IMMC2024- 22nd International Metallurgy and Materials Congress, İstanbul, Turkey, 19 - 21 September 2024, pp.587-588
- IV. **TIG Kaynağı ve Özlü Tel ile Ark Kaynağı Yöntemleri ile Birleştirilen X1CrNiMoCuN20-18-7 (SM0254)**



## **Malzemesinin Mekanik ve Mikroyapı Özelliklerinin İncelenmesi**

Taban E., Satrođlu C. C.

13. Ulusal Kaynak teknolojileri Kongre ve Sergisi, TIG Kaynađı ve Özlü Tel ile Ark Kaynađı Yöntemleri ile Birleřtirilen X1CrNiMoCuN20-18-7 (SMO254) Malzemesinin Mekanik ve Mikroyapı Özelliklerinin İncelenmesi, , Ankara, Turkey, 17 - 18 November 2023, pp.284-297

- V. **Joining Dissimilar Materials: Understanding Aluminum to Steel Interfaces During Joining and Beyond**  
Taban E.  
International Hybrid Conference WAM 2023, İstanbul, Turkey, 30 - 31 October 2023, pp.1-2
- VI. **Overcoming Challenges: Beyond Aluminum Welds**  
Taban E.  
1st International Conference on Sustainable Technologies and Advances in Automation, Aerospace and Robotics (STAAAR-2022), Bhopal, India, 16 - 17 December 2022
- VII. **Properties of Laser Welded 3003 Aluminum Alloy**  
Cebeci A., Taban E.  
IMMC2022- 21st International Metallurgy and Materials Congress, İstanbul, Turkey, 6 - 08 October 2022, pp.613-617
- VIII. **Design of High Strength and High Torque Resistance Wire Rope**  
Duman F., Taban E., Esen S. G.  
IMMC2022- 21st International Metallurgy and Materials Congress, İstanbul, Turkey, 6 - 08 October 2022, pp.595-599
- IX. **Challenges in aluminum welding: Comparative appraisal of friction stir spot welded and laser beam welded aluminium alloy sheets**  
Taban E., Ojo O. O.  
ICMERE 2021- International Conference in Mechanical Engineering and Renewable Energy, Chittagong Division, Bangladesh, 12 - 13 December 2021, pp.1-2
- X. **TIG (GTAW) Kaynaklı Ostenitik Paslanmaz Çelik Borularda Kök Koruma Gazının Mekanik, Mikroyapı, Tokluk ve Korozyon Özellikleri Üzerine Etkileri**  
Taban E., Kaluç E., Aykan S.  
Kaynak Teknolojisi 12. Ulusal Kongre ve Sergisi, Ankara, Turkey, 19 - 20 November 2021, pp.247-257
- XI. **Recent Developments in Welding and Weldability of Stainless Steels: Modified 12 %Cr Stainless Steels and Beyond”, ETMARE 2021, Emerging Trends in Mechanical, Aerospace and Robotics Engineering, amongs the 9 eminent speakers all over the World, 07- 09 Temmuz 2021, Day 2, session 2D, invited as Keynote speaker.**  
Taban E.  
ETMARE 2021, Emerging Trends in Mechanical, Aerospace and Robotics Engineering, Velluru, India, 7 - 09 July 2021
- XII. **TIG (GTAW) Kaynak Yönteminde Son Geliřmeler ve Endüstriyel Uygulamaları**  
Kaluç E., Taban E.  
Kaynak Kongresi 11. Ulusal Kongre ve Sergisi, Ankara, Turkey, 15 - 16 November 2019, pp.53-63
- XIII. **Raylı Araç Fren Disklerinin Dökümünde Tretman Malzemesi Miktarının Mekanik Özellikler ve Havalandırma Sistem Tasarımının Sođutma Performansı Üzerine Etkilerinin İncelenmesi**  
Er O., Kaluç E., Taban E., Özsaraç U.  
4. Uluslararası Raylı Sistemler Mühendisliđi Sempozyumu (ISERSE), Karabük, Turkey, 10 - 12 October 2018, pp.99-110
- XIV. **SA 387 Gr 11 C1 2 13CrMo4 5 Yüksek Sıcaklık Dayanımlı Çeliđin Tekrarlı Isıl İşlem Kořullarında Dayanım Özelliklerinin Deđiřimi**  
Barbaros G., Taban E.  
Kaynak Kongresi IX. Ulusal Kongre ve Sergisi, Ankara, Turkey, 20 - 21 November 2015, pp.291-299
- XV. **Alüminyum Çelik CMT Kaynaklı Bađlantılarının Özellikleri ve Optimizasyonu**  
Erdem Ü., Taban E.  
7. Alüminyum Sempozyumu, İstanbul, Turkey, 7 - 08 October 2015, pp.601-610

- XVI. Properties and Optimization of Dissimilar Aluminum Steel CMT Welds**  
Erdem Ü., Taban E.  
Annual Assembly of International Institute of Welding Commission II Meeting, Helsinki, Finland, 29 June - 03 July 2015
- XVII. Similar and Dissimilar Friction Stir and Cold Metal Transfer Welds of 5083 H111 and 6082 T651 aluminum alloys**  
Güngör B., Taban E., Kaluç E., Şık A.  
IIW 2015 ANNUAL MEETING, İstanbul, Turkey, 2 - 05 March 2015
- XVIII. A New Potential for Welded Structures in Modified X2CrNi12: Characterization of Dissimilar Arc Weld with S355 Steel**  
Taban E., Kaluç E., Dhooge A., Deleu E.  
Fabrication and Economy of Welded Structures, Miskolc, Hungary, 24 - 26 April 2008, vol.1, pp.511-518
- XIX. Study of the Weld Zone of Friction Welded C45/1.3344PM Dissimilar Steel Joints**  
Kaluç E., Taban E.  
Design, Fabrication and Economy of Welded Structures Design, Fabrication and Economy of Welded Structures, Miskolc, Hungary, 24 - 26 April 2008, vol.1, pp.469-475
- XX. Mechanical, Microstructural and Fracture Properties of MIG, TIG and Friction Stir Welded 5086 Aluminium Alloy**  
Taban E., Kaluç E.  
11th. International Denizli Materials Symposium 2006, Proceedings Book, Denizli, 922- 927, Türkiye, 2006., Denizli, Turkey, 25 October 2006, pp.920-927
- XXI. Investigation on Mechanical and Microstructural Properties of Welded X2CrNi12 Ferritic Stainless Steel**  
Taban E., Deleu E., Dhhoge A., Kaluç E.  
DVS- Schweißen und Schneiden 2006 , Aachen, Germany, 20 - 22 September 2006, pp.74-79
- XXII. MECHANICAL, MICROSTRUCTURAL AND TOUGHNESS PROPERTIES OF WELDED X2CrNi12 FERRITIC STAINLESS STEEL**  
Taban E., Deleu E., Dhooge A., Kaluç E.  
11. International Materials Symposium, Denizli, Turkey, 19 - 21 April 2006, pp.918-921
- XXIII. Investigation on Mechanical and Microstructural Properties of TIG, MIG and FS Welded 5083-5086 Aluminium Alloys**  
Kaluç E., Taban E.  
DVS Annual Welding Conference , Essen, Germany, 12 - 14 September 2005, pp.49-54
- XXIV. Süpermartenzitik Paslanmaz Çelikler, Kaynak Kabiliyetleri ve Korozyon Davranışları**  
Taban E., Kaluç E.  
10. Denizli Malzeme Sempozyumu ve Sergisi, Denizli, Turkey, 14 - 16 April 2004, pp.989-999
- XXV. Petrol ve Doğalgaz Boru Hatlarının Yapımında Kullanılan Süpermartenzitik Paslanmaz Çelikler ve Kaynağı**  
Taban E., Kaluç E.  
Kaynak Teknolojisi IV. Ulusal Kongresi,, Kocaeli, Turkey, 24 - 25 October 2003, no.339, pp.257-267

## Supported Projects

Taban E., Toksöz Y., TUBITAK Project, Sıcak Preslenmiş ve 980 MPa Çift Fazlı Sacların Kaynağı için Fiber Lazerli Punta Kaynağı Tabancasının Hücresinin Prosesinin Geliştirilmesi ve Lazer Spot Kaynağı Parametre Seti Oluşturulması, 2019 - 2022

TABAN E., Project Supported by Higher Education Institutions, ALÜMİNYUM ALAŞIMININ SÜRTÜNME KARIŞTIRMA NOKTA KAYNAĞI VE LAZER IŞIN KAYNAĞI İLE YAPILAN BAĞLANTILARINI MEKANŞK VE MİKRO YAPISAL ÖZELLİKLERİNİN İNCELENMESİ VE PROSES PARAMETRELERİNİN OPTİMİZASYONU, 2015 - 2016

TABAN E., KALUÇ E., Industrial Thesis Project, Raylı Taşıtlarda Kullanılan Fren Disklerinin Vermiküler Grafitli Dökme

Demir Olarak Üretimesi İle Mekanik Özelliklerinin İyileştirilmesi, 2014 - 2016

Taban E., TUBITAK Project, Alüminyum alaşımı ile galvanize çeliğin soğuk metal transferi (CMT) yöntemi ile birleştirilmesinde mekanik ve mikroyapısal özelliklerinin incelenmesi ve parametrelerin optimizasyonu, 2015 - 2015

Taban E., Kaluç E., Company, Petrokimya Endüstrisinde Kullanılan Paslanmaz Çelik Boruların Kaynak Özelliklerinin Geliştirilmesi, 2011 - 2013

Taban E., Project Supported by Private Organizations in Other Countries, Joining Dissimilar Materials: Understanding Aluminum to ferrous alloy interfaces during joining and thermomechanical conditioning, 2008 - 2009

Taban E., Dhooge A., Universities of Other Countries Supported Project, Stainless steel type X2CrNi12 for structural applications- weldability, welding technology and properties of welded joints, 2005 - 2006

## Activities in Scientific Journals

Jiens- Journal of International Engineering and Natural Science, Editor, 2021 - Continues

Metal Dünyası- Kaynak Teknolojisi Editörü, Editor, 2019 - Continues

## Memberships / Tasks in Scientific Organizations

Tübitak Teydeb Yürütme Kurul Üyeliği, Executive Board Member, 2024 - Continues, Turkey

GEVKATEK Ulusal Kaynak Kongresi Bilim Kurul Üyeliği, Member of Science Committee, 2023 - Continues, Turkey

IMMC2024- 22nd International Metallurgy and Materials Congress, Member of Science Committee, 2023 - Continues, Turkey

Kaykon-Kaynak Teknolojisi 13. Ulusal Kongre ve Sergisi, Member of Science Committee, 2023 - Continues, Turkey

Uluslararası Kaynak Enstitüsü Ulusal Yetkili Kurum Sınav Kurulu Üyeliği (IIW TR-ANB Examination Board

Memembership), Member of Science Committee, 2020 - Continues, Turkey

Uluslararası Kaynak Enstitüsü Ulusal Yetkili Kurum Yönetim Kurulu Üyeliği (IIW TR-ANB Board Memembership), Board Member, 2019 - Continues, Turkey

Türk Kaynak Tekn. Akademisi, Member of Science Committee, 2014 - Continues

Turkey Delegate of International Institute of Welding Technical Commission IV (High energy welding processes), Member of Science Committee, 2013 - Continues

Turkey Delegate of International Institute of Welding Technical Commission II (Arc Welding), Member of Science Committee, 2013 - Continues

Turkey Delegate of International Institute of Welding Technical Commission IX (Weldability and Welding metallurgy), Member of Science Committee, 2013 - Continues

Türk Standartları Enstitüsü Kaynak Komisyonu, Member, 2012 - Continues

Authorized National Body of Turkey- International Institute of Welding, Board Member, 2011 - Continues

German Welding Society, Member, 2005 - Continues

American Welding Society, Member, 2004 - Continues

21. Uluslararası Metalurji ve Malzeme Kongresi, Member of Science Committee, 2022 - 2022, Turkey

## Scientific Refereeing

Project Supported by Higher Education Institutions, BAP Research Project, Bursa Uludağ University, Turkey, September 2024

Project Supported by Other Official Institutions, Kocaeli University, Turkey, July 2024

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS, PART C: JOURNAL OF MECHANICAL ENGINEERING SCIENCE, Journal Indexed in SCI-E, May 2024

Turkish Journal of Engineering, Journal Indexed in SCI-E, April 2024

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS, PART C: JOURNAL OF MECHANICAL ENGINEERING

SCIENCE, Journal Indexed in SCI-E, March 2024

WELDING IN THE WORLD, LE SOUDAGE DANS LE MONDE, National Scientific Refreed Journal, January 2024

WELDING IN THE WORLD, LE SOUDAGE DANS LE MONDE, Journal Indexed in SCI-E, January 2024

WELDING IN THE WORLD, LE SOUDAGE DANS LE MONDE, Journal Indexed in SCI-E, January 2024

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Kocaeli University, Turkey, December 2023

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Kocaeli University, Turkey, December 2023

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Kocaeli University, Turkey, December 2023

TUBITAK Project, 2237 - Program for Supporting Project Training Activities, Kocaeli University, Turkey, November 2023

13. Ulusal Kaynak Tekn. Kongre Ve Sergisi Bildiri Tam Metin Değerlendirme 2, Conference Paper (Full Text), October 2023

13. Ulusal Kaynak Tekn. Kongre ve Sergisi Bildiri tam metin değerlendirme 1, Conference Paper (Full Text), October 2023

13. Ulusal Kaynak Tekn. Kongre Ve Sergisi Bildiri Tam Metin Değerlendirme 3, Conference Paper (Full Text), October 2023

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Kocaeli University, Turkey, October 2023

Kaynak Teknolojisi 13. Ulusal Kongre ve Sergisi Bildiri Tam metin değerlendirme 4, Conference Paper (Full Text), September 2023

Kaynak Teknolojisi 13. Ulusal Kongre ve Sergisi Bildiri Tam metin değerlendirme 5, Conference Paper (Full Text), September 2023

Project Supported by Other Official Institutions, Turkey, September 2023

JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, Journal Indexed in SCI-E, July 2023

MATERIALS AND DESIGN, Journal Indexed in SCI-E, June 2023

Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, National Scientific Refreed Journal, April 2023

MATERIALS AND DESIGN, Journal Indexed in SCI-E, April 2023

TUBITAK Project, My support program is not listed (Old), Kocaeli University, Turkey, April 2023

Project Supported by Other Official Institutions, Kocaeli University, Turkey, April 2023

TUBITAK Project, 2244 - Industrial Phd. Program Project, Kocaeli University, Turkey, April 2023

Project Supported by Other Official Institutions, Kocaeli University, Turkey, April 2023

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Kocaeli University, Turkey, April 2023

METALLOGRAPHY, MICROSTRUCTURE, AND ANALYSIS, Journal Indexed in SCI-E, January 2023

WELDING IN THE WORLD, LE SOUDAGE DANS LE MONDE, Journal Indexed in SCI-E, December 2022

Advances in Industrial and Manufacturing Engineering, Journal Indexed in SCI-E, November 2022

MECHANICS BASED DESIGN OF STRUCTURES AND MACHINES, Journal Indexed in SCI-E, November 2022

JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, Journal Indexed in SCI-E, September 2022

WELDING IN THE WORLD, LE SOUDAGE DANS LE MONDE, Journal Indexed in SCI-E, September 2022

Metallography Microstructure and Analysis, Journal Indexed in ESCI, July 2022

JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, Journal Indexed in SCI-E, July 2022

WELDING IN THE WORLD, SCI Journal, July 2022

VACUUM, Journal Indexed in SCI-E, July 2022

JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, Journal Indexed in SCI-E, June 2022

JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, Journal Indexed in SCI-E, December 2021

WELDING IN THE WORLD, Journal Indexed in SCI-E, October 2021

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS, PART C: JOURNAL OF MECHANICAL ENGINEERING SCIENCE, Journal Indexed in SCI-E, October 2021

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Kocaeli University, Turkey, October 2021

Welding International, Other Indexed Journal, September 2021

JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, Journal Indexed in SCI-E, September 2021

WELDING IN THE WORLD, Journal Indexed in SCI-E, August 2021

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, Journal Indexed in SCI-E, July 2021

JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T, Journal Indexed in SCI-E, July 2021

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, Journal Indexed in SCI-E, July 2021

FATIGUE & FRACTURE OF ENGINEERING MATERIALS & STRUCTURES, Journal Indexed in SCI-E, July 2021

JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, Journal Indexed in SCI-E, July 2021

JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, Journal Indexed in SCI-E, July 2021

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, Journal Indexed in SCI-E, July 2021

Project Supported by Higher Education Institutions, BAP Research Project, Erciyes University, Turkey, June 2021

materials research, Journal Indexed in ESCI, May 2021

ECS Journal of Solid State Science and Technology, Other Indexed Journal, May 2021

Materials Research, Journal Indexed in ESCI, May 2021

Project Supported by Higher Education Institutions, BAP Research Project, Suleyman Demirel University, Turkey, May 2021

TUBITAK Project, 1002 - Quick Support Program, Kocaeli University, Turkey, May 2021

TUBITAK Project, 1002 - Quick Support Program, Kocaeli University, Turkey, May 2021

Project Supported by Other Official Institutions, Kocaeli University, Turkey, May 2021

WELDING IN THE WORLD, Journal Indexed in SCI-E, April 2021

JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, Journal Indexed in SCI-E, April 2021

Metallography, Microstructure and Analysis, Other Indexed Journal, April 2021

Advances in Industrial and Manufacturing Engineering, Other Indexed Journal, April 2021

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Kocaeli University, Turkey, April 2021

APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, Journal Indexed in SCI-E, March 2021

Advances in Industrial and Manufacturing Engineering, Other Indexed Journal, March 2021

TUBITAK Project, 1011 - International Scientific Research Projects Participation Program (UBAP), Kocaeli University, Turkey, March 2021

TUBITAK Project, 1002 - Quick Support Program, Kocaeli University, Turkey, March 2021

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, Journal Indexed in SCI-E, February 2021

Metal Dünyası, Other Journals, February 2021

JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, Journal Indexed in SCI-E, February 2021

Metal Dünyası, Other Journals, January 2021

TUBITAK Project, 1002 - Quick Support Program, Kocaeli University, Turkey, January 2021

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, Journal Indexed in SCI-E, December 2020

TUBITAK Project, 1002 - Quick Support Program, Kocaeli University, Turkey, December 2020

JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, Journal Indexed in SCI-E, November 2020

Project Supported by Other Official Institutions, Kocaeli University, Turkey, November 2020

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Kocaeli University, Turkey, October 2020

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Kocaeli University, Turkey, October 2020

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, Journal Indexed in SCI-E, September 2020

MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, SCI Journal, August 2020

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, SCI Journal, July 2020

TUBITAK Project, 1505 - University-Industry Cooperation Support Program, Kocaeli University, Turkey, July 2020

DEFENCE TECHNOLOGY, Journal Indexed in SCI-E, January 2020

DEFENCE TECHNOLOGY, Journal Indexed in SCI-E, January 2020

JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, Journal Indexed in SCI-E, January 2020

CORROSION SCIENCE, SCI Journal, December 2019

DEFENCE TECHNOLOGY, Journal Indexed in SCI-E, December 2019  
DEFENCE TECHNOLOGY, Journal Indexed in SCI-E, December 2019  
TUBITAK Project, 1501 - Industry R & D Projects Support Program, Kocaeli University, Turkey, December 2019  
Project Supported by Higher Education Institutions, BAP Research Project, İstanbul University-Cerrahpaşa, Turkey, December 2019  
metallography Microstructure and Analysis, Other Indexed Journal, November 2019  
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, SCI Journal, November 2019  
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, Journal Indexed in SCI-E, October 2019  
CORROSION, Journal Indexed in SCI-E, October 2019  
TUBITAK Project, 1501 - Industry R & D Projects Support Program, O, Turkey, August 2019  
JOURNAL OF ALLOYS AND COMPOUNDS, Journal Indexed in SCI-E, June 2019  
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, Journal Indexed in SCI-E, May 2019  
KOVOVE MATERIALY-METALLIC MATERIALS, Journal Indexed in SCI-E, May 2019  
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, Journal Indexed in SCI-E, December 2018

## Scientific Consultations

Toyotetsu, Ermaksan, Project Consultancy, Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, Turkey, 2019 - 2022

## Metrics

Publication: 107  
Citation (WoS): 952  
Citation (Scopus): 1234  
H-Index (WoS): 16  
H-Index (Scopus): 20

## Congress and Symposium Activities

Annual Assembly and Conference of International Institute of Welding, Working Group, Helsinki, Finland, 2015  
Annual Assembly and Conference of International Institute of Welding, Working Group, Seoul, South Korea, 2014  
Intermediate Meetings of Commissions II and IX of International Institute of Welding, Working Group, Berlin, Germany, 2014  
AWS Professional Program, 2013 Fabtech Show, Working Group, Illinois, United States Of America, 2013  
Intermediate Meetings of Commissions II and IX of International Institute of Welding, Working Group, Graz, Austria, 2013  
Intermediate Meetings of Technical Commissions II and IX of International Institute of Welding, Working Group, London, United Kingdom, 2012  
IIW-IIS International Conference on Welded Structures- Design, Fabrication and Economy, Working Group, Budapest, Hungary, 2008  
Schweissen und Schneiden, DVS GST 2006, Working Group, Aachen, Germany, 2006  
Schweissen und Schneiden, DVS GST 2005, Working Group, Essen, Germany, 2005

## Invited Talks

Sert Lehimlemede Gelişmeler, Seminar, Hans Berg Metal, Turkey, June 2022  
Alüminyum ve Alaşımlarının Kaynağında Gelişmeler, Seminar, Kırpart Otomotiv, Turkey, April 2022

Mühendislikte Kadın Paneli- Moderatörlük, Workshop, Kocaeli Üniversitesi, Turkey, March 2022  
Overcoming Challenges: Weldability of Aluminum Alloys, Conference, IIW-India Mumbai, India, January 2022  
Paslanmaz Çelikler, Yeni Türleri ve Kaynak Kabiliyeti, Seminar, Mercedes Benz Otobüs Fabrikası, Turkey, January 2022  
Challenges in Aluminum Welding: Comparative Appraisal of FSSW and Laser Beam Welding of Aluminum Alloy, Conference, ICMERE 2021, Bangladesh, December 2021  
Recent Trends in Welding and Weldability: Stainless Steels and Beyond, International Workshop on Emerging Trends in Mechanical, Aerospace and Robotics Engineering, Workshop, As Eminent Speaker invited by Vellore Institute of Technology, India, July 2021

## Scholarships

Project research principal investigator, University, 2008 - 2009  
Yurtdışı doktora bursu, TÜBİTAK, 2005 - 2006  
Research project researcher, Official Institutions of Foreign Countries, 2005 - 2006

## Awards

Taban E., Elsevier'da yayınlanan ve Stanford Üniv. araştırmacıları tarafından hazırlanan "2022 yılında Dünyanın En Etkili (Yüzde 2 Dilimde) Bilim İnsanları Listesine Giriş" (12 Ekim 2022) (Yıllık etki ve kariyer boyu etki listelerinde), Stanford Üniversitesi Araştırmacıları Tarafından Elsevier'da Yayınlanan Çalışma, September 2024  
Taban E., AD Rankings World Scientists Listesine giriş, Ad Rankings World Scientist List, October 2023  
Taban E., Elsevier'da yayınlanan ve Stanford Üniv. araştırmacıları tarafından hazırlanan "2022 yılında Dünyanın En Etkili (Yüzde 2 Dilimde) Bilim İnsanları Listesine Giriş" (Yıllık etki ve kariyer boyu etki listelerinde), Elsevier , January 2023  
Taban E., Kariyer Boyu etki kategorisinde Elsevier tarafından yayınlanan ve Stanford Üniv. araştırmacıları tarafından hazırlanan "2022 yılında Dünyanın En Etkili (Yüzde 2 Dilimde) Bilim İnsanları Listesine Giriş" (12 Ekim 2022), Elsevier, October 2022  
Taban E., 2023 Dünya Bilim İnsanları ve Üniversite Sıralamaları Listesine giriş (1 Ekim 2022), Ad Rankings- World Scientist And University Rankings 2023, October 2022  
Taban E., Elsevier'da yayınlanan ve Stanford Üniv. araştırmacıları tarafından hazırlanan "2022 yılında Dünyanın En Etkili (Yüzde 2 Dilimde) Bilim İnsanları Listesine Giriş" (12 Ekim 2022) (Yıllık etki ve kariyer boyu etki listelerinde), Elsevier , October 2022  
Taban E., World Scientist and University Rankings 2022 listesine giriş, Ad Rankings For Scientists, May 2022  
Taban E., Avrupa'da en çok atıf alan 6. makale ve Dünyada en çok atıf alan 28. makalenin sorumlu yazarı olarak listede yer almak, Ad Scientific Rankings, December 2021  
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## **Non Academic Experience**

The Ohio State University

Belçika Kaynak Teknolojisi Enstitüsü