

## Assoc. Prof. MURAT MAKARACI

### Personal Information

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### International Researcher IDs

ScholarID: CJuu9acAAAAJ

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Publons / Web Of Science ResearcherID: JQI-3083-2023

ScopusID: 24781225000

Yoksis Researcher ID: 30248

### Education Information

Doctorate, Rensselaer Polytechnic Institute, Makina Mühendisliği, United States Of America 1995 - 2001

Postgraduate, Pennsylvania State University University College Park Campus, Makina Mühendisliği, United States Of America 1994 - 1995

Undergraduate, Middle East Technical University, Faculty Of Engineering, Makine Mühendisliği Bölümü, Turkey 1987 - 1992

### Foreign Languages

English, C1 Advanced

### Certificates, Courses and Trainings

Vocational Training, Çevre ve Sıfır Atık, Cumhurbaşkanlığı İnsan Kaynakları Ofisi/Çevre Bakanlığı, 2024

Vocational Training, Etkili Konuşma ve Beden Dili, Cumhurbaşkanlığı İnsan Kaynakları Ofisi CBİKO, 2024

Vocational Training, Günlük Hayatta ve Kamu Binalarında Enerji Verimliliği, Cumhurbaşkanlığı İnsan Kaynakları Ofisi/ETKB, 2024

Vocational Training, Günlük Hayatta Su Verimliliği, Cumhurbaşkanlığı İnsan Kaynakları Ofisi/Tarım ve Orman Bakanlığı, 2024

Vocational Training, Devlet Malını Koruma, Cumhurbaşkanlığı İnsan Kaynakları Ofisi/VERGİ DENETİM KURULU BAŞKANLIĞI, 2024

Personal Evolution, American Accent Course Level 1, Speak More Clearly, 2024

Vocational Training, Eğitimde Kullanılan Yapay Zeka Araçları ve Uygulama Örnekleri, SOBİAD Akademi, 2023

Vocational Training, Wiley Dergilerinde Başarıyla Akademik Makale Yayımlayabilmek: Editörümüzden Bazı Önemli Detaylar!, WILEY RESEARCH TRAINING, 2023

Vocational Training, Bölüm 3: Deprem Öncesi, Cumhurbaşkanlığı İnsan Kaynakları Ofisi, 2023

Vocational Training, Topluluk Önünde Konuşma, Cumhurbaşkanlığı İnsan Kaynakları Ofisi, 2023

Vocational Training, Bölüm 4: Deprem Anı ve Sonrası, Cumhurbaşkanlığı İnsan Kaynakları Ofisi, 2023

Vocational Training, Mobbing (İş Yerinde Psikolojik Şiddet), Cumhurbaşkanlığı İnsan Kaynakları Ofisi, 2023  
Vocational Training, Çalışma Ahlakı, Cumhurbaşkanlığı İnsan Kaynakları Ofisi, 2023  
Vocational Training, Bölüm 2: Depremle İlgili Temel Bilgiler, Cumhurbaşkanlığı İnsan Kaynakları Ofisi, 2023  
Vocational Training, Bölüm 1: Deprem Farkındalık Eğitim Programı, Cumhurbaşkanlığı İnsan Kaynakları Ofisi, 2023  
Vocational Training, Birey ve Aileler İçin Afet Bilinci Eğitimi, Cumhurbaşkanlığı İnsan Kaynakları Ofisi, 2023  
Vocational Course, Garrett Turbocharge Installer Connect Level-4, Garrett Advancing Motion, 2022  
Vocational Course, Garrett Turbocharge Installer Connect Level-2, Garrett Advancing Motion, 2022  
Vocational Course, Garrett Turbocharge Installer Connect Level-3, Garrett Advancing Motion, 2022  
Vocational Course, Garrett Turbocharge Installer Connect Level-1 , Garrett Advancing Motion, 2022  
Personal Evolution, Finansal Okuryazarlık, Cumhurbaşkanlığı İnsan Kaynakları Ofisi, 2021  
Personal Evolution, Diksiyon, Cumhurbaşkanlığı İnsan Kaynakları Ofisi, 2021  
Personal Evolution, İş Yaşamında Erteleme Davranışı, Cumhurbaşkanlığı İnsan Kaynakları Ofisi/TÜBİTAK, 2021  
Vocational Training, Kariyer Planlama Dersi Bilgilendirme Eğitimi , CBİKO İNSAN KAYNAĞI EĞİTİM VE GELİŞTİRME DAİRESİ BAŞKANLIĞI, 2021  
Vocational Training, İnsan Hakları Temelinde İş Yerinde Cinsiyet Eşitliği, Cumhurbaşkanlığı İnsan Kaynakları Ofisi, 2021  
Vocational Training, İnsan Hakları ve Kamu Denetçiliği Kurumu, Cumhurbaşkanlığı İnsan Kaynakları Ofisi, 2021  
Vocational Training, İnsan Hakları Çerçevesinde Etik, Cumhurbaşkanlığı İnsan Kaynakları Ofisi, 2021  
Vocational Training, İnsan Hakları, Cumhurbaşkanlığı İnsan Kaynakları Ofisi, 2021  
Project Management, MS Project, TÜBİTAK TÜSSİDE, 2019  
Technology Management/Management of Technology, Fizibilite Hazırlama, TÜBİTAK TÜSSİDE, 2019  
Occupational Health and Safety, Kontaminasyon Kontrol ve Hijyen, ECOLAB ANT Teknik, 2019  
Project Management, Proje Yönetimi, TÜBİTAK TÜSSİDE, 2018  
R&D Management, Ar-Ge Mühendisliği Farkındalık Eğitimi, TÜBİTAK TÜSSİDE, 2017  
Innovation Management, İnovasyon Yönetimi Eğitimi, TÜBİTAK TÜSSİDE, 2017  
Vocational Training, Stratejik Planlama ve Kurumsal Performans Yönetimi, Değişim Dinamikleri Yönetim Merkezi, 2017  
Vocational Training, Protokol Yönetimi, TODAİE Türkiye ve Orta Doğu Amme İdaresi Enstitüsü , 2015  
Vocational Training, Etkili İletişim ve Sunum, TÜSSİDE Türkiye Sanayi Sevk ve İdare Enstitüsü, 2015  
Vocational Training, Kamu Kurumlarında Stratejik Yönetim, TÜSSİDE Türkiye Sanayi Sevk ve İdare Enstitüsü, 2015

## Dissertations

Doctorate, A Finite Element, Implicit Backward Euler Time Integration of the Viscoplasticity Theory Based on Overstress, Rensselaer Polytechnic Institute, Mechanical, Aerospace, and Nuclear Engineering, 2001  
Postgraduate, Vehicle-Barrier Interactions In Crash Tests and Implementation and Applications of Barrier VII Simulation Program, Pennsylvania State University University College Park Campus, 1995

## Research Areas

Engineering and Technology

## Academic Titles / Tasks

Associate Professor, Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, 2013 - Continues  
Assistant Professor, Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, 2003 - 2013  
Research Assistant, Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, 1993 - 2003

## Academic and Administrative Experience

Bölüm Doktora Program Üyesi, Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, 2023 - Continues  
Rektörlük Stratejik Plan Komisyonu Üyesi, Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, 2021 - Continues

Head of Department, Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, 2020 - Continues

Bölüm Lisansüstü 2024 Bahar Dönemi Komisyon Üyesi, Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, 2023 - 2024

Stratejik Plan Tema Grubu Üyesi, Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, 2021 - 2022

Director of Continuing Education Center, Kocaeli University, Rektörlük, Sürekli Eğitim Merkezi (Kousem), 2020 - 2022

KOÜSEM Yönetim Kurulu Başkanı, Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, 2020 - 2022

Head of Department, Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, 2013 - 2014

Head of Department, Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, 2013 - 2014

Enstitü Yönetim Kurulu Üyesi, Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, 2005 - 2006

Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, 2005 - 2006

## Courses

FINITE ELEMENT METHOD, Undergraduate, 2024 - 2025

DYNAMICS , Undergraduate, 2023 - 2024

## Advising Theses

Makaraci M., Experimental and finite element analysis of pressure vessel steel SA 387 with submerged arc welding, Postgraduate, M.TURGUT(Student), 2023

Makaraci M., Kesik elyafların haşıllanması ve boyanması prosesindeki silindirelerin mekanik ve nıp karakteristiklerinin incelenmesi, Postgraduate, E.GENÇ(Student), 2022

Makaraci M., Endüstriyel rulo tipi temizlik kâğıdı kesme makinesi tasarımı ve kesme sisteminin analizi, Postgraduate, B.KESMEN(Student), 2022

Makaraci M., Helikopterlerde kullanılan küresel elastomerik yatakların mekanik tasarımı, Doctorate, M.SAİD(Student), 2019

Makaraci M., RÜZGAR TÜRBİNİ GÖBEĞİ İMALATI VE SİSTEM İNTEGRASYONU, Postgraduate, S.Demir(Student), 2013

Makaraci M., Rüzgar türbini göbeğinin yapısal tasarımı ve optimizasyonu, Postgraduate, S.DEMİRCİ(Student), 2011

Makaraci M., 2017A, 6061 ve 7039 alüminyum alaşımlarının mikroark oksidasyon yüzey kaplama yöntemi ile sert seramik kaplanması, Doctorate, A.POLAT(Student), 2009

Makaraci M., Direksiyon sisteminin matematiksel modellenmesi ve simülasyonu, Postgraduate, T.KÜÇÜKKAYA(Student), 2008

Makaraci M., Aşırı gerilme esaslı eştermal viskoplastisite teorisinin termomekanik bütünleştirilmesi, Postgraduate, İ.KILAVUZ(Student), 2003

## Jury Memberships

Doctoral Examination, Doctoral Examination, Sakarya Üniversitesi, November, 2024

Post Graduate, Post Graduate, Kocaeli Üniversitesi, February, 2023

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Kocaeli Üniversitesi, January, 2023

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Kocaeli Üniversitesi, August, 2022

Post Graduate, Post Graduate, Kocaeli Üniversitesi, June, 2022

Post Graduate, Post Graduate, Kocaeli Üniversitesi, January, 2022

Competition, TC Gençlik ve Spor Bakanlığı/İyilikçi Fikirler Sosyal Girişim Programı- II.Aşama Yatırımcı Sunum, Republic of Turkey Ministry of Youth and Sports, September, 2021

Competition, TC GSB İyilikçi Fikirler Sosyal Girişim Programı/ Değerlendirme Komisyonu, Republic of Turkey Ministry of Youth and Sports, June, 2021

Administrative Staff Examination, Administrative Staff Examination, Kocaeli University, May, 2021

Post Graduate, Post Graduate, Gebze Teknik Üniversitesi, August, 2020

Post Graduate, Post Graduate, Gebze Teknik Üniversitesi, December, 2019

Competition, IAOSB 3rd Research & Development and Innovation Competition, İzmir Atatürk Organized Industrial Zone , November, 2019

Competition, Deniz Kuvvetleri Komutanlığı Sekizinci Yeni Buluşlar ve Projeler Yarışması, Turkish Naval Forces, October, 2018

Doctoral Examination, Doctoral Examination, Marmara Üniversitesi, February, 2018

Doctoral Examination, Doctoral Examination, Marmara Üniversitesi, February, 2018

Doctoral Examination, Doctoral Examination, Marmara Üniversitesi, February, 2018

Competition, Arifan Ar-Ge Proje Yarışması, Arifan Kadın ve Aile Kuruluşları Dayanışma Derneği, September, 2013

Doctorate, Doctorate, Yıldız Teknik Üniversitesi, July, 2013

## Designed Lessons

Makaracı M., FINITE ELEMENT METHOD, Undergraduate, 2024 - 2025

Makaracı M., İMALAT TEKNİKLERİ, Undergraduate, 2012 - 2013

Makaracı M., TEKNİK MEKANİK-II, Undergraduate, 2010 - 2011

Makaracı M., TASARIM VE OPTİMİZASYON, Undergraduate, 2010 - 2011

Makaracı M., İLERİ KATILAR VE VİSKOZ MALZEME MEKANİĞİ, Postgraduate, 2009 - 2010

Makaracı M., İLERİ SONLU ELEMENLAR TEKNİĞİ, Postgraduate, 2009 - 2010

Makaracı M., BİLGİSAYAR DESTEKLİ MODELLEME, Masters (Non-Thesis), 2009 - 2010

Makaracı M., TEKNİK MEKANİK, Undergraduate, 2003 - 2004

## Designed Programs

Makaracı M., Postgraduate, Kocaeli Üniversitesi Fen Bilimleri Enstitüsü Biyomedikal Mühendisliği , 2010 - Continues

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

- I. **UNVEILING STRESS MITIGATION AND LIFESPAN EXTENTION STRATEGIES FOR SPHERICAL ELASTOMERIC BEARINGS IN AEROSPACE APPLICATIONS**  
Makaracı M., Bayraklılar M. S.  
STRENGTH OF MATERIALS, vol.56, no.4, pp.735-749, 2024 (SCI-Expanded)
- II. **Exploring advancements and emerging trends in robotic swarm coordination and control of swarm flying robots: A review**  
Alqudsi Y. S. N., Makaracı M.  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, 2024 (SCI-Expanded)
- III. **Experimental study on tribological properties of PTFE and glass reinforced PTFE-C15 for skid transport of heavy structures**  
Gunes C., MAKARACI M.  
MATERIALS RESEARCH EXPRESS, no.9, 2024 (SCI-Expanded)
- IV. **Experimental and numerical analysis of temperature distributions in SA 387 pressure vessel steel**

### **during submerged arc welding**

Makaraci M., Senol M. T.

High Temperature Materials and Processes, vol.43, pp.1-17, 2024 (SCI-Expanded)

- V. **Enhancing aerial robots performance through robust hybrid control and metaheuristic optimization of controller parameters**  
Alqudsi Y. S. N., Saleh R. A. A., Makaraci M., Ertunç H. M.  
Neural Computing and Applications, vol.36, no.1, pp.413-424, 2024 (SCI-Expanded)
- VI. **Optimal and robust control methodologies for 4DOF active suspension systems: A comparative study with uncertainty considerations**  
AL-QADASI Y. S. N., BOLAT F. Ç., MAKARACI M.  
Optimal Control Applications and Methods, 2024 (SCI-Expanded)
- VII. **A numerically-stable trajectory generation and optimization algorithm for autonomous quadrotor UAVs**  
Alqudsi Y. S. N., MAKARACI M., Kassem A., El-Bayoumi G.  
Robotics and Autonomous Systems, vol.170, 2023 (SCI-Expanded)
- VIII. **Using group method of data handling (GMDH) neural network to predict the maximum stress on elastomeric layers in spherical elastomeric bearings**  
KAYA Y., MAKARACI M., Bayraklılar S., KUNCAN M.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.36, no.3, pp.1332-1345, 2021 (SCI-Expanded)
- IX. **SOLUTION FOR FAILURE ANALYSIS OF AUTOMOTIVE AXLE KNUCKLE PULL-OUT**  
BAYNAL K., Makaraci M., Gulbudak K.  
INTERNATIONAL JOURNAL OF AUTOMOTIVE TECHNOLOGY, vol.11, no.5, pp.701-710, 2010 (SCI-Expanded)
- X. **Influence of sodium silicate concentration on structural and tribological properties of microarc oxidation coatings on 2017A aluminum alloy substrate**  
Polat A., MAKARACI M., USTA M.  
JOURNAL OF ALLOYS AND COMPOUNDS, vol.504, no.2, pp.519-526, 2010 (SCI-Expanded)
- XI. **Properties of Alumina Coating Formed by Microarc Oxidation Technique on 6061 Aluminum Alloy**  
Polat A., USTA M., MAKARACI M., Ata A., Tas Z.  
PRAKTISCHE METALLOGRAPHIE-PRACTICAL METALLOGRAPHY, vol.45, no.12, pp.594-609, 2008 (SCI-Expanded)
- XII. **A parametric finite element geometric analysis of a pressurized sphere with cylindrical flush nozzle outlet**  
Makaraci M.  
JOURNAL OF PRESSURE VESSEL TECHNOLOGY-TRANSACTIONS OF THE ASME, vol.127, no.4, pp.369-372, 2005 (SCI-Expanded)
- XIII. **Experimental investigation of some parameters on isothermal cyclic fatigue creep behavior of AISI 3137 steel at low homologous regimes**  
Makaraci M.  
JOURNAL OF MATERIALS SCIENCE, vol.39, no.7, pp.2577-2579, 2004 (SCI-Expanded)

### **Articles Published in Other Journals**

- I. **Doğu Kaynaklarında Kritik-Analitik Düşünmenin Araştırılması: Klasik Hint Felsefesi ve Mantık Örnekleri**  
Makaraci M.  
Academic Perspective Procedia, vol.5, no.1, pp.254-263, 2022 (Peer-Reviewed Journal)
- II. **Kritik-Analitik Düşünme Eğilimlerini Ölçmeye Yönelik Bütüncül, Basit ve Kapsayıcı Bir Test Önerisi**  
Makaraci M.  
Academic Perspective Procedia, vol.5, no.1, pp.264-272, 2022 (Peer-Reviewed Journal)
- III. **Design Issues of Buried Pipelines at Permanent Ground Deformation Zones**

Uçkan M. E., Akbaş B., Kaya E., Çakır F., İpek C., Makaracı M., Ataoğlu Ş.

DISASTER SCIENCE AND ENGINEERING, vol.2, no.2, pp.53-58, 2016 (Peer-Reviewed Journal)

- IV. **Direksiyon Aksonlarının Statik Hasar Analizi**  
Makaracı M., Demir S., Bahcaci O.  
ACADEMIC PLATFORM-JOURNAL OF ENGINEERING AND SCIENCE, vol.1, no.2, pp.21-27, 2013 (Peer-Reviewed Journal)
- V. **Thermomechanical modeling of solder alloy using viscoplasticity theory based on overstress (VBO)**  
KILAVUZ İ., MAKARACI M.  
Energy Education Science and Technology Part A: Energy Science and Research, vol.30, no.SPEC .ISS.1, pp.123-130, 2012 (Scopus)
- VI. **Microstructural and mechanical properties of alumina coatings produced by microarc oxidation technique on 7039 aluminum alloy substrate**  
Polat A., Baxi J., Kar Y., Usta M., Makaraci M., Liang H., Ucisik H.  
TMS Annual Meeting, no.3, pp.211-216, 2008 (Peer-Reviewed Journal)
- VII. **On Finite Element Analysis of a Simplified Turbine Blade**  
Makaracı M.  
Mathematical Modelling and Scientific Computing, vol.10, pp.271-274, 2000 (Conference Book)
- VIII. **Multi-objective optimization for design and stability of a general control system**  
MAKARACI M.  
Mathematical and Computational Applications, vol.4, no.1, pp.153-159, 1999 (Scopus)

## Books & Book Chapters

- I. **Measurement, Analysis and Manufacturing for Engineering Systems**  
Makaracı M. (Editor)  
BIDGE Publications, Ankara, 2023
- II. **Makine Teknolojileri ve Taşıt Enerji Sektörleri İçin Malzeme ve Tasarım Metodları III**  
Makaracı M. (Editor)  
BIDGE Yayınları, Ankara, 2023
- III. **Makine Teknolojileri ve Taşıt Enerji Sektörleri İçin Malzeme ve Tasarım Metodları II**  
Makaracı M. (Editor)  
BIDGE Yayınları, Ankara, 2023
- IV. **Makine Teknolojileri ve Taşıt Enerji Sektörleri İçin Malzeme ve Tasarım Metodları -I**  
Makaracı M. (Editor)  
BIDGE Yayınları, Ankara, 2023
- V. **GÜNEŞ ENERJİSİNİN MEKANİZASYONU VE AR-GE TEKNOLOJİ GÖRÜNÜMÜ**  
Makaracı M.  
in: Mühendislik Alanında Akademik Araştırma ve Derlemeler, Arzu Betül Çuhacıoğlu, Editor, Platanus Publishing, Ankara, pp.201-225, 2023
- VI. **A Review on 4th Generation Nuclear Reactor Technologies and Some Recent Developments**  
Makaracı M.  
in: Current Debates on Natural and Engineering Sciences 11, H.Y. Çoğun, Editor, Bidge Publications, Ankara, pp.194-214, 2023
- VII. **Research and Developments in 4th Generation Nuclear Reactor Types**  
Makaracı M.  
in: Mühendislik Alanında Gelişmeler-II, Prof.Dr. Gülden Başyigit Kılıç, Editor, Platanus Publishing, Ankara, pp.353-376, 2023
- VIII. **30 Days to Better Thinking and Better Living Through Critical Thinking: A Guide for Improving Every Aspect of Your Life**  
Makaracı M.

Server İletişim, İstanbul, 2022

- IX. Mühendislik Mekaniği DİNAMİK**  
Makaracı M., Yeni Ç. E., Gören Kural B., Apalak M. K., Yayla P. (Editor)  
Nobel Yayın Dağıtım, Ankara, 2016
- X. Engineering Mechanic DYNAMICS**  
Makaracı M.  
Nobel Yayın Dağıtım, Ankara, 2016
- XI. Cisimlerin Mukavemeti Problemleri**  
Yayla P., Şahin Ş., Makaracı M.  
Çağlayan Kitabevi, İstanbul, 2005

## Refereed Congress / Symposium Publications in Proceedings

- I. Reducing The Carbon Footprint Of Shock Absorber Sub-Part Used In The Automotive Industry**  
Açıköz A., Makaracı M., Ceylan R., Uçakkuş Ö.  
7. INTERNATIONAL MARMARA SCIENTIFIC RESEARCH AND INNOVATION CONGRESS, İstanbul, Turkey, 27 - 28 January 2024, pp.1
- II. Swarm Robotics for Autonomous Aerial Robots: Features, Algorithms, Control Techniques, and Challenges**  
Al-Qadası Y. S. N., Makaracı M.  
4th International Conference on Emerging Smart Technologies and Applications, eSmarTA 2024, Sana'a, Yemen, 6 - 07 August 2024
- III. RECYCLING OF VERTICAL SAW PARTS BY FLAME SPRAYER**  
Alirzayeva S., Makaracı M.  
AZERBAIJAN INTERNATIONAL CONGRESS OF SCIENTIFIC RESEARCH, Saki, Azerbaijan, 16 August 2023, pp.127-133
- IV. KALIP ŞEKİLLENDİRME UYGULAMALARINDA MEYDANA GELEN PROBLEMLER, SİMÜLASYON, TASARIMI VE ANALİZ YAKLAŞIMLARI**  
Palaz C., Makaracı M.  
11th INTERNATIONAL CONGRESS ON ENGINEERING, ARCHITECTURE AND DESIGN, İstanbul, Turkey, 10 - 12 June 2023, pp.1360
- V. KINEMATIC MODELING FOR SERVO CONVERSION OF 630 TONNES HOT FORGING MECHANICAL PRESS**  
Makaracı M., Alirzayeva S.  
IMASCON 2022-International Marmara Sciences Congress Autumn 2022, Kocaeli, Turkey, 9 - 10 December 2022, pp.537-544
- VI. MECHANICAL EVALUATION OF CLAVICLE BONE NAIL**  
Mutlu İ., Doğu Y., Makaracı M.  
IMASCON 22-International Marmara Sciences Congress Autumn 2022, Kocaeli, Turkey, 9 - 10 December 2022, pp.523-530
- VII. TRANSIENT TEMPERATURE DISTRIBUTION ESTIMATION IN SUBMERGED ARC WELDING PROCESS APPLIED TO A387 CHROMIUM-MOLYBDENUM ALLOY STEEL USING GOLDAK'S DOUBLE ELLIPSOIDAL MOVING HEAT SOURCE MODEL**  
Makaracı M., Şenol M. T.  
1ST INTERNATIONAL AZERBAIJAN ACADEMIC RESEARCH CONGRESS, Baku, Azerbaijan, 28 - 29 May 2022, pp.325-334
- VIII. NIP CHARACTERISTICS OF ROLLERS USED IN OPEN END SIZING AND DYEING OF YARNS**  
Genç E., Makaracı M.  
9th INTERNATIONAL ISTANBUL SCIENTIFIC RESEARCH CONGRESS, İstanbul, Turkey, 14 May 2022, pp.105
- IX. Stress analysis of buried pipelines due to earthquake effect**  
Makaracı M., İpek C.

Kocaeli 2015, 5th International Earthquake Symposium, 10 - 12 Haziran 2015, Kocaeli, Turkey, 10 June 2015, pp.199-212

- X. **Eleştirel Düşünme İzdüşümü Olarak Medya Okuryazarlığı**  
Büyükkamber C., Makaracı M.  
ISCAT 2015 1st Symposium on Critical and Analytical Thinking, Sakarya, Turkey, 10 - 12 April 2015, pp.16-23
- XI. **Eleştirel Düşünce Ve Eğitim Uygulamaları**  
Büyükkamber C., Makaracı M.  
ISCAT 2015- 1st Symposium on Critical and Analytical Thinking, Sakarya, Turkey, 10 - 12 April 2015, pp.366-373
- XII. **CONTACT ANALYSIS OF SLEWING BEARING OF A MID-SIZE WIND TURBINE BY ANALYTICAL AND FINITE ELEMENT APPROACH**  
Makaracı M., Demir S.  
EIGHTEENTH INTERNATIONAL CONFERENCE MECHANICS OF COMPOSITE MATERIALS Devoted to the 50 Anniversary of the Institute of Polymer Mechanics University of Latvia, Riga, Latvia, 02 June 2014, pp.122
- XIII. **DESIGN OF A MID-SIZE WIND TURBINE HUB-ROTOR-BLADE BEARING SYSTEM UNDER SEVERE LOADING CONDITIONS**  
Makaracı M., Demir S.  
EIGHTEENTH INTERNATIONAL CONFERENCE MECHANICS OF COMPOSITE MATERIALS Devoted to the 50 Anniversary of the Institute of Polymer Mechanics University of Latvia, Riga, Riga, Latvia, 02 June 2014, pp.123
- XIV. **OPTIMIZATION PARAMETERS OF COLD DRAWING PROCESS FOR SURFACE ROUGHNESS BY TAGUCHI METHOD: A CASE STUDY**  
Makaracı M.  
EIGHTEENTH INTERNATIONAL CONFERENCE MECHANICS OF COMPOSITE MATERIALS Devoted to the 50 Anniversary of the Institute of Polymer Mechanics University of Latvia June 2 - 6, 2014 Riga, Latvia, Riga, Latvia, 02 June 2014, pp.47
- XV. **An Overview of Wind Turbine Manufacturing Experience in Turkey**  
Akşit M. F., Makaracı M.  
IRENEC 2011 International 100% Renewable Energy Conference and Exhibition , İstanbul, Turkey, 06 October 2011, pp.1-7
- XVI. **Fatigue Design of Horizontal Axis Wind Turbine Rotor Hubs**  
Makaracı M., Demir S.  
1st international 100% renewable energy conference (IRENEC 2011), İstanbul, Turkey, 6 - 08 October 2011, pp.314-319
- XVII. **Analysis of the Behavior of an Axially Loaded Cantilevered Rod using Element Free Galerkin Method**  
Makaracı M., Taner Ö.  
ICCES Symposium on Meshless & Other Novel Computational Methods (ICCES MM'11) Karaelmas University, Zonguldak, TURKEY , Zonguldak, Turkey, 6 - 10 September 2011, pp.1-9
- XVIII. **Plastic Injection Processing Parameters, and a Simulation for Optimization of a Lego Part by Moldflow**  
Makaracı M., Yıldırım E.  
IMPS 2008, 12th International Materials Symposium, Denizli, Turkey, 15 October 2008, vol.1, pp.948-956
- XIX. **A finite element investigation of weld groove effect on fatigue strength**  
Makaracı M., Yaman Y.  
IMPS 2008 12th International Materials Symposium , Denizli, Turkey, 15 - 17 October 2008, vol.1, pp.711-719
- XX. **Microstructural and mechanical properties of alumina coatings produced by microarc oxidation technique on 7039 aluminum alloy substrate**  
Polat A., Baxi J., Kar Y., USTA M., MAKARACI M., Liang H., Ucisik H.  
137th Annual Meeting and Exhibition of the Minerals-Metals-and-Materials-Society, Louisiana, United States Of America, 9 - 13 March 2008, pp.211-212
- XXI. **6061 Alüminyum Alaşımının Mikroark Oksidasyon Yöntemiyle Yüzey Kaplanması**  
Polat A., Usta M., Makaracı M., Aytaç A.  
TALSAD-2008 III. Ulusal Alüminyum Sempozyumu, Kocaeli, Turkey, 16 - 17 November 2007, no.28, pp.1-5



- XXII. **An Efficient Novel Augmented Continuum Material Tangent Operator for Nonlinear Elasto-Visco-Plastic Deformations**  
Makaracı M.  
7th International Fracture Conference, Kocaeli, Turkey, 19 - 21 October 2005, vol.2, pp.991-998
- XXIII. **Aşırı Gerilme Esaslı Viskoplastisite Teorisinin Termomekanik Simülasyonu**  
Makaracı M., Kılavuz İ.  
7th International Fracture Conference , Kocaeli, Turkey, 19 - 21 October 2005, vol.1, pp.171-181
- XXIV. **Finite Element Implementation of an Isotropic Unified Viscoplastic Model and Applications to Alloys at High Homologous Temperature Deformations**  
Makaracı M.  
7th International Fracture Conference, Kocaeli, Turkey, 19 - 21 October 2005, vol.2, pp.953-959
- XXV. **Biomechanic Modeling and Deformation Analysis of Lower Cervical Spine Under Compression And Flexion Moment Using Finite Element Method**  
Makaracı M., Aksakal İ. Ç.  
7th International Fracture Conference, Kocaeli, Turkey, 19 October 2005, vol.1, pp.183-189
- XXVI. **A Stable Time Integration Scheme for a Unified Inelastic Deformation Model Applied to Near-Eutectic Solder Alloy**  
Makaracı M.  
1st Int. Cappadocia Mechanical Engineering Symposium , Nevşehir, Turkey, 14 - 16 July 2004, vol.3, pp.677-683
- XXVII. **Inelastic Deformation of Thick Wall Cylinders via Materially Nonlinear State Variables Embedded into Finite Element Method**  
Makaracı M.  
CMES 04 The First Cappadocia Mechanical Engineering Symposium, Nevşehir, Turkey, 14 July 2004, vol.3, pp.819-825
- XXVIII. **On Finite Element Modal Analysis of a Simplified Turbine Blade**  
Makaracı M.  
12th Int. Conference on Mathematical Modelling and Scientific Computing, Illinois, United States Of America, 1 - 05 August 1999, pp.271-274
- XXIX. **A multi-objective design optimization procedure for a general control system**  
Makaracı M.  
7th International Conference and Exposition on Engineering, Construction, Operations, and Business in Space, New Mexico, United States Of America, 27 February - 02 March 2000, pp.377-383

## Other Publications

1. **A Finite Element, Implicit Backward Euler Time Integration for the Viscoplasticity Theory Based on Overstress**  
Makaracı M.  
Other, pp.1-300, 2001

## Supported Projects

SOYLU Ş., Sarıtaş B. C., Yılmaz S., Çelik A., BAHAR Z., MAKARACI M., Bostancı G., Yamanlar İ., Project Supported by Higher Education Institutions, İçten yanmalı ve mikrojet motorlar için radyal kompresör test sistemi tasarımı ve kurulumu, 2023 - Continues

Makaracı M., Yarar E., Company, f44 Gaz Turbo Kompresörü Geliştirilmesi, 2024 - 2025

Makaracı M., Municipality, KOCAELİ, OKU-BAŞAR-ÖDÜL AL !, 2024 - 2024

Makaracı M., Project Supported by Other Private Institutions, Investigation of the effect of rust, coolant and surface cleanliness on gas welding capability of steel plates and profiles used in tool production, 2023 - 2024

Makaracı M., Municipality, İKİNCİ EVİM KOCAELİ: Uluslararası Öğrencilerin Evi Kocaeli, 2023 - 2023

Makaracı M., Özyardımcı B., IAEA International Atomic Energy Agency Supported Project, Assessing the Role of Low Carbon Energy Technologies for Climate Change Mitigation, 2020 - 2022

Makaracı M., TUBITAK Project, MILRES- Milli Rüzgar Enerji Sistemleri Geliştirilmesi ve Prototip Türbin Üretimi (MİLRES), 2011 - 2016

Makaracı M., TUBITAK Project, Polimerik Malzemelerin Mekanik Davranışlarının Belirlenmesi ve Visko Elastik-Visko Plastik Teorilerin Geliştirilmesi, 2005 - 2009

## **Contractual Researches**

Makaracı M., DAL LUNAPARK AŞ, Roller coaster arabası ve discovery lunapark makinesi, 2023 - 2023

Makaracı M., MMO/UM Deniz Sanayi AŞ, Karadeniz Dalgadan Enerji Üretme Fizibilite Projesi, 2010 - 2010

## **Activities in Scientific Journals**

Kocaeli Üniversitesi Fen Bilimleri Dergisi, Advisory Committee Member, 2022 - 2022

## **Memberships / Tasks in Scientific Organizations**

MMO Makine Mühendisleri Odası, Member, 2005 - Continues, Turkey

American Society of Mechanical Engineers, Member, 1997 - Continues, United States Of America

SME Society of Manufacturing Engineers, Member, 1997 - Continues, United States Of America

## **Scientific Refereeing**

Current Materials Science, Other Indexed Journal, December 2024

SOUND AND VIBRATION, Journal Indexed in ESCI, October 2024

The 4th International Conference on Electrical, Computer and Energy Technologies, Conference Paper (Full Text), April 2024

ACDSA2024 Int Conf on Artificial Intelligence, Control, Data Sciences and Applications, Conference Paper (Full Text), January 2024

International Journal of Mechanical Engineering and Applications, Other Indexed Journal, January 2024

Technopark, Istanbul University, Turkey, January 2024

Technopark, Istanbul University, Turkey, January 2024

ICECET 2023 The 3rd Int Conf on Electrical, Computer and Energy Technologies, Conference Paper (Full Text), November 2023

Technopark, Istanbul University, Turkey, October 2023

Technopark, Istanbul University, Turkey, August 2023

ICECCME 2023 The 3rd Int Conf Electrical, Computer, Communications and Mechatronics Engineering, Conference Paper (Full Text), July 2023

Technopark, Istanbul University, Turkey, April 2023

Technopark, Istanbul University, Turkey, April 2023

International Journal of Mechanical Engineering and Applications, Other Indexed Journal, January 2023

International Journal of Mechanical Engineering and Applications, Other Indexed Journal, December 2022

Technopark, Istanbul University, Turkey, December 2022

THE 7th SMART CITY APPLICATIONS International Conference Castelo Branco, Conference Paper (Full Text), October 2022

Technopark, Istanbul University, Turkey, April 2022

Technopark, Istanbul University, Turkey, January 2022

Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, National Scientific Refreed Journal, November 2021

THE SIXTH SMART CITY APPLICATIONS INTERNATIONAL CONFERENCE, Conference Paper (Full Text), October 2021

SEMICONDUCTOR SCIENCE AND TECHNOLOGY, SCI Journal, September 2021

Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, National Scientific Refreed Journal, August 2021

Technopark, Istanbul University, Turkey, January 2021

Technopark, Istanbul University, Turkey, January 2021

JOURNAL OF MICROMECHANICS AND MICROENGINEERING, SCI Journal, April 2020

OPEN TRANSPORTATION JOURNAL, Other Indexed Journal, November 2019

KOSGEB, KOSGEB, Turkey, August 2018

JOURNAL OF MICROMECHANICS AND MICROENGINEERING, SCI Journal, June 2018

JOURNAL OF MICROMECHANICS AND MICROENGINEERING, SCI Journal, June 2018

Other International Funding Programs, OECD, France, February 2018

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, TİMSAN TESİSAT İMALAT MONTAJ SANAYİ VE TİCARET LİMİTED ŞİRKETİ (ZONGULDAK), Turkey, February 2017

TUBITAK Project, 1511 - TUBITAK Priority Fields Research Technology Development and Innovation PDP, BİONKİT BİYO-NANO KİMYA TEKNOLOJİLERİ MÜHENDİSLİK DANIŞMANLIK LABORATUVAR SAN. TİC. LTD. ŞTİ. (ESKİŞEHİR), Turkey, June 2016

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, TAMAYMAKS MAKİNA SANAYİ VE TİCARET LİMİTED ŞİRKETİ (İSTANBUL), Turkey, June 2015

MICROSYSTEM TECHNOLOGIES, SCI Journal, May 2015

ISCAT 2015 1st Int Symp Critical and Analytical Thinking, Conference Paper (Full Text), April 2015

JVC/JOURNAL OF VIBRATION AND CONTROL, SCI Journal, January 2015

JOURNAL OF MICROMECHANICS AND MICROENGINEERING, SCI Journal, December 2014

JOURNAL OF MICROMECHANICS AND MICROENGINEERING, SCI Journal, September 2014

TUBITAK Project, 2221 - Sabbatical Science Support P., Kocaeli University, Turkey, February 2014

TUBITAK Project, 2219 - Yurt Dışı Doktora Sonrası Araştırma Burs Programı, Kocaeli University, Turkey, January 2014

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, PETES MAKİNA SAN. VE TİC.AŞ (İSTANBUL), Turkey, September 2013

Mühendis ve Makina, National Scientific Refreed Journal, July 2013

TUBITAK Project, 1501 - Industry R & D Projects Support Program, ASOS PROSES MAKİNA SANAYİ VE TİCARET A.Ş. (TEKİRDAĞ), Turkey, April 2012

TUBITAK Project, 1511 - TUBITAK Priority Fields Research Technology Development and Innovation PDP, TUBITAK, Turkey, April 2012

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, MAVİAY KALIP VE PLASTİK SAN. TİC. LTD. ŞTİ. (İSTANBUL), Turkey, July 2011

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, BATUSAN MAKİNA SANAYİ VE TİCARET A.Ş. (KOCAELİ), Turkey, March 2011

CAD COMPUTER AIDED DESIGN, SCI Journal, December 2010

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, BALMAK MAKİNA SANAYİ VE TİCARET LİMİTED ŞİRKETİ (İSTANBUL), Turkey, July 2010

TTGV, TECASA, Turkey, March 2010

TTGV, TURAŞ, Turkey, January 2010

CAD COMPUTER AIDED DESIGN, SCI Journal, September 2009

CAD COMPUTER AIDED DESIGN, SCI Journal, August 2009

JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, SCI Journal, October 2008

MATERIALS AND DESIGN, SCI Journal, July 2008

MATERIALS AND DESIGN, SCI Journal, May 2008

MATERIALS AND DESIGN, Journal Indexed in SCI-E, April 2008

MATERIALS AND DESIGN, Journal Indexed in SCI-E, March 2008

MATERIALS AND DESIGN, Journal Indexed in SCI-E, February 2008

JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, SCI Journal, February 2008  
MATERIALS AND DESIGN, Journal Indexed in SCI-E, January 2008  
JOURNAL OF TURBOMACHINERY, Journal Indexed in SCI-E, January 2008  
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, SCI Journal, November 2007  
MATERIALS AND DESIGN, Journal Indexed in SCI-E, August 2007  
MATERIALS AND DESIGN, Journal Indexed in SCI-E, August 2007

## Scientific Consultations

Kocaeli Üniversitesi Havacılık ve Uzay Mühendisliği Bölümü, Scientific Consultancy, Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, Turkey, 2024 - Continues

Kocaeli Üniversitesi Tıp Fakültesi Tıbbi Mikrobiyoloji Doktora Programı Dış Danışman, Scientific Consultancy, Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, Turkey, 2024 - 2024

## Tasks In Event Organizations

Makaracı M., ISITES 2025 11th International Symp. Intelligent Tech. in Eng. and Science, Scientific Congress, Diyarbakır, Turkey, Mayıs 2025

Makaracı M., TOK2023 Türkiye Otomatik Kontrol Ulusal Kongresi, Scientific Congress, İstanbul, Turkey, Ekim 2023

Makaracı M., 2023 International Conference on Digital Age & Technological Advances for Sustainable Development (ICDATA) May 3 2023 to May 5 2023 Casablanca, Morocco , Scientific Congress, Morocco, Mayıs 2023

Makaracı M., İleri Teknolojiler ve Sanayi, Workshop Organization, Turkey, Aralık 2022

Makaracı M., ISITES 2022- 10th International Symposium on Innovative Technologies in Engineering and Science, Scientific Congress, Bursa, Turkey, Ekim 2022

Makaracı M., The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Volume XLVIII-4/W3-2022 The 7th International Conference on Smart City Applications, 19–21 October 2022, Castelo Branco, Portugal , Scientific Congress, Portugal, Ekim 2022

Makaracı M., TOK 2022 Türkiye Otomatik Kontrol Ulusal Kongresi (TOK), Scientific Congress, Turkey, Eylül 2022

Makaracı M., ISCAT 2021- 3rd International Symposium on Critical and Analytical Thinking, Scientific Congress, Ankara, Turkey, Aralık 2021

Makaracı M., ISITES 2021- 9th International Symposium on Innovative Technologies in Engineering and Science, Scientific Congress, Sakarya, Turkey, Ekim 2021

Makaracı M., ISITES 2020- 8th International Symposium on Innovative Technologies in Engineering and Science, Scientific Congress, Bursa, Turkey, Ekim 2020

Makaracı M., 8. ULUSAL HAVACILIK ve UZAY KONFERANSI, Scientific Congress, Ankara, Turkey, Eylül 2020

Makaracı M., ISITES 2019- 7th International Symposium on Innovative Technologies in Engineering and Science, Scientific Congress, Şanlıurfa, Turkey, Kasım 2019

Makaracı M., ISITES 2018- 6th International Symposium on Innovative Technologies in Engineering and Science, Scientific Congress, Antalya, Turkey, Kasım 2018

Makaracı M., ISCAT 2018- 2nd International Symposium on Critical and Analytical Thinking, Scientific Congress, İstanbul, Turkey, Haziran 2018

Makaracı M., Molten Salt Reactor Technology Identification Workshop, Workshop Organization, Kocaeli, Turkey, Aralık 2017

Makaracı M., ISITES 2017-5th International Symposium on Innovative Technologies in Engineering and Science, Scientific Congress, Baku, Azerbaijan, Ekim 2017

Makaracı M., ISITES 2016 4th International Symposium on Innovative Technologies in Engineering and Science, Scientific Congress, Antalya, Turkey, Kasım 2016

Makaracı M., ISITES 2015- 3rd International Symposium on Innovative Technologies in Engineering and Science, Scientific Congress, Valencia, Spain, Haziran 2015

Makaracı M., ISCAT 2015 - 1st International Symposium on Critical and Analytical Thinking, Scientific Congress, Sakarya, Turkey, Nisan 2015  
Makaracı M., ISITES 2014- 2nd Int Symp Innovative Technologies in Engineering and Science, Scientific Congress, Karabük, Turkey, Haziran 2014  
Makaracı M., ISITES 2013 1st International Symposium on Innovative Technologies in Engineering and Science, Scientific Congress, Sakarya, Turkey, Haziran 2013  
Makaracı M., UHK 2009 ULUSAL HIDROJEN ENERJISI KONGRESİ ve SERGİSİ (ULUSLARARASI KATILIMLI), Scientific Congress, Kocaeli, Turkey, Ekim 2009

## Metrics

Publication: 180  
Citation (WoS): 112  
Citation (Scopus): 126  
H-Index (WoS): 4  
H-Index (Scopus): 4

## Congress and Symposium Activities

4. Nesil Nükleer Teknolojileri ve Türkiye Ergimiş Tuz Reaktörü (ETR) Çalışmaları, Moderator, Kocaeli, Turkey, 2023  
IMASCON 2022, Session Moderator, Kocaeli, Turkey, 2022  
ISCAT 2021 THE 3 rd INTERNATIONAL SYMPOSIUM OF CRITICAL AND ANALYTICAL THINKING, Session Moderator, Ankara, Turkey, 2021  
ISCAT 2021 THE 3 rd INTERNATIONAL SYMPOSIUM OF CRITICAL AND ANALYTICAL THINKING, Attendee, Ankara, Turkey, 2021  
ISCAT 2021 THE 3 rd INTERNATIONAL SYMPOSIUM OF CRITICAL AND ANALYTICAL THINKING, Attendee, Ankara, Turkey, 2021  
1.Nadir Toprak Elementleri ve Toryum Çalıştayı, Attendee, Eskişehir, Turkey, 2019  
WAITRO-SIRIM CAPACITY BUILDING PROGRAMME 2019, Attendee, Shah-Alam, Malaysia, 2019  
GEN IV GIF Symposium, Audience, Paris, France, 2018  
Ergimiş Tuz Reaktörü Teknoloji Belirleme Çalıştayı, Moderator, Kocaeli, Turkey, 2017  
MSR2017 MOLTEN SALT REACTOR WORKSHOP, Attendee, Tennessee, United States Of America, 2017  
SAMOFAR MSR SUMMER SCHOOL, Attendee, Milan, Italy, 2017  
VIII. TERMİK SANTRAL ÇALIŞTAYI, Attendee, Muğla, Turkey, 2015  
ERUSIS'15 Elektrikli Raylı Ulaşım Sistemleri Sempozyumu , Invited Speaker, Eskişehir, Turkey, 2015  
ISCAT 2015- 1st International Symposium on Critical and Analytical Thinking, Attendee, Sakarya, Turkey, 2015  
ISCAT2015 1st International Symposium on Critical and Analytical Thinking, Attendee, Sakarya, Turkey, 2015  
Kömür Teknolojileri Çalıştayı, Attendee, Antalya, Turkey, 2014  
VI. TERMİK SANTRAL ÇALIŞTAYI, Attendee, Rize, Turkey, 2014  
ISITES2013 1ST INTERNATIONAL SYMPOSIUM ON INNOVATIVE TECHNOLOGIES IN ENGINEERING AND SCIENCE, Session Moderator, Sakarya, Turkey, 2013

## Invited Talks

Kritik ve Analitik Düşünme, Seminar, Mimar Sinan Mühendisler Birliği-Kocaeli Şubesi, Turkey, December 2024  
Kritik ve Analitik Düşünme Egzersizleri, Seminar, Mimar Sinan Mühendisler Birliği, Turkey, November 2024  
Gençlik ve Spor Bakanlığı/Mühendislik Kampı/Kritik ve Analitik Düşünme, Seminar, Gençlik ve Spor Bakanlığı/Mühendislik Kampı, Turkey, February 2022

RD20 Research and Development for Clean Energy Technologies for G20 Member Nations, Conference, RD20 Research and Development for Clean Energy Technologies for G20 Member Nations, Japan, October 2020  
Atık Yönetimi Sektöründe Yerleşme ve Millileşme Sempozyumu, Conference, TAYÇED, Turkey, November 2019  
Trakya İleri Malzemeler Süper Alaşımlar Ve Kompozit Çalıştay, Workshop, TÜDEP/HASUN Havacılık, Savunma Uzay ve Nükleer Güç Kümelenmesi, Turkey, February 2019  
Laboratuvardan Endüstriye Yeni Gelişen 2 Boyutlu Malzemeler ve Grafen Konferans, Conference, GrapheneTurkey, Turkey, October 2016  
Enerji Sektöründe Yerleşme-I Termik Santraller için Yerli Ekipman Üretimi Semineri, Seminar, İSTANBUL SANAYİ ODASI, Turkey, January 2016

## Scholarships

YLS, YOK, 1994 - 2000

## Awards

Makaracı M., Bilimsel Yayın Ödülü, Kocaeli Üniversitesi Mühendislik Fakültesi, May 2005  
Makaracı M., Bilimsel Başarı Ödülü, Kocaeli Müh Fak, May 2005

## Representation and Promotion Activities

Institutional Representation, Kocaeli Kent Konseyi, Turkey, Kocaeli, 2022 - 2024  
Institutional Representation, Kocaeli Büyükşehir Belediye Başkanlığı Çevre Koruma ve Kontrol Dairesi Başkanlığı, Turkey, Kocaeli, 2023 - 2023  
Institutional Promotion, Kocaeli Üniversitesi İletişim Fakültesi Radyosu Kl, Turkey, Kocaeli, 2022 - 2022  
Institutional Representation, İŞKUR Kocaeli İl Müdürlüğü, Turkey, Kocaeli, 2020 - 2022

## Non Academic Experience

TUBITAK, MARMARA RESEARCH CENTER (MRC), BUSINESS DEVELOPMENT AND INDUSTRIALIZATION VICE PRESIDENCY  
TUBITAK, MARMARA ARAŞTIRMA MERKEZİ (MAM), TEKNOLOJİ TRANSFER KURULU  
TUBITAK, MARMARA ARAŞTIRMA MERKEZİ, GEBZE YERLEŞKESİ BİNA İNŞA KURULU  
TUBITAK, MARMARA ARAŞTIRMA MERKEZİ, MAM-GTÜ ORTAK KURUL  
TUBITAK, MARMARA ARAŞTIRMA MERKEZİ (MAM), ENDUSTRIYEL HİZMETLER BELİRLEME KURULU  
TUBITAK, Marmara Research Center (MRC), STRATEGY AND TECHNOLOGY DEVELOPMENT VICE PRESIDENCY  
TUBITAK, MARMARA ARAŞTIRMA MERKEZİ (MAM), ÖDÜL KURULU  
TUBITAK, MARMARA RESEARCH CENTER (MRC), İŞ GÜVENLİĞİ VE İŞÇİ SAĞLIĞI KURUL BAŞKANI  
TUBITAK, MARMARA RESEARCH CENTER (MRC), CORPORATE DEVELOPMENT VICE PRESIDENCY  
TUBITAK, MARMARA RESEARCH CENTER (MRC), DİSİPLİN KURULU BAŞKANLIĞI  
Presidency, Yüksek Öğretim Kurumu, Teknoloji Transfer Komitesi