

## Prof. MUSTAFA SERDAR GENÇ

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AFF-7927-2022

ScopusID: 24400712600

Yoksis Researcher ID: 20347

### Education Information

Post Doctorate, The University of Bath, Engineering Faculty, Department Of Mechanical Engineering-Aerospace-Energy And Thermo-Sciences Research Group, England 2009 - 2010

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Makine Mühendisliği, Turkey 2005 - 2009

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Makine Mühendisliği, Turkey 2002 - 2005

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

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Education Management and Planning, Eğiticinin Eğitimi, Türk Hava Yolları, 2005

IT, Autocad 2002, Makine Mühendisleri Odası, 2002

### Dissertations

Doctorate, Kanat Profilleri Etrafındaki Düşük Re Sayılı Akışın Kontrolü ve Aerodinamik Performansın İncelenmesi, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği Bölümü, 2009

Postgraduate, Yapıştırıcı ile Birleştirilmiş Tek Yönlü Tabakalı Kompozit Tek Bindirme Bağlantılarında Hasar Oluşumu ve Gelişimi, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği Bölümü, 2005

### Research Areas

Energy, Renewable energy, Mechanical Engineering, Energy, Fluid Mechanics, Wind power, Mechanical, Finite Element Methods, Computational fluid dynamics, Aeronautical and Space Engineering, Composites, Aerodynamics, Aeroelasticity, Engineering and Technology

## Academic Titles / Tasks

Professor, Erciyes University, Mühendislik Fakültesi, Enerji Sistemleri Mühendisliği, 2018 - Continues  
Associate Professor, Erciyes University, Mühendislik Fakültesi, Enerji Sistemleri Mühendisliği, 2013 - 2018  
Assistant Professor, Erciyes University, Mühendislik Fakültesi, Enerji Sistemleri Mühendisliği, 2009 - 2012  
Lecturer, Erciyes University, Sivil Havacılık Yüksekokulu, Uçak Gövde-Motor, 2005 - 2009

## Academic and Administrative Experience

TÜBİTAK ARDEB MAG Danışma Kurulu Üyesi, Erciyes University, Mühendislik Fakültesi, Enerji Sistemleri Mühendisliği, 2024 - Continues  
Director of the Center, Erciyes University, Energy Conversions Research and Application Center, 2019 - Continues  
Erciyes Üniversitesi, Mühendislik Fakültesi, Enerji Sistemleri Mühendisliği Bölümü-Yenilenebilir Enerji Sistemleri Abd, 2017 - Continues  
Erciyes Üniversitesi, Mühendislik Fakültesi, Enerji Sistemleri Mühendisliği Bölümü, 2009 - 2015  
Erciyes Üniversitesi, Sivil Havacılık Yüksekokulu, Pilotaj Bölümü, 2005 - 2008

## Courses

Rüzgar Enerjisi Dönüştürme Sistemleri, Postgraduate, 2011 - 2012  
Termodinamik-I, Undergraduate, 2012 - 2013  
Mühendislik Etiği, Undergraduate, 2011 - 2012  
İleri Akışkanlar Mekaniği, Postgraduate, 2011 - 2012  
Fizik-I, Undergraduate, 2011 - 2012  
Düşük Re Sayısı Aerodinamiği, Postgraduate, 2010 - 2011  
Bilgisayar I ve II, Associate Degree, 2011 - 2012  
Akışkanlar Mekaniği, Undergraduate, 2011 - 2012  
Aerodinamik, Postgraduate, 2010 - 2011  
Bil. Des. Tek. Resim-I ve II, Undergraduate, 2011 - 2012  
Lineer Cebir, Undergraduate, 2011 - 2012  
İstatistik, Undergraduate, 2010 - 2011  
Teknolojinin Bilimsel İlkeleri, Associate Degree, 2010 - 2011  
Bilgisayar, Undergraduate, 2008 - 2009  
Gaz Türbinli Motorlar, Undergraduate, 2008 - 2009  
Kompozit Malzemeler, Undergraduate, 2008 - 2009  
Havaaracı Aerodinamiği ve Uçuş Kontrolleri, Undergraduate, 2008 - 2009  
Uçuş Teorisi ve Kontrol Sistemleri, Undergraduate, 2008 - 2009  
Kompozit Malzemelerin Hasarı, Undergraduate, 2008 - 2009  
Aerodinamik, Undergraduate, 2008 - 2009  
Havacılık Meteorolojisi-I ve II, Undergraduate, 2008 - 2009  
Pistonlu Motorlar I ve II, Undergraduate, 2008 - 2009  
Matematik, Undergraduate, 2008 - 2009  
Alternatif Motor ve Yakıtlar, Associate Degree, 2008 - 2009  
Motor Termodinamiği, Associate Degree, 2007 - 2008  
Mühendislik Bilimi , Associate Degree, 2006 - 2007

## Advising Theses

Genç M. S., Düşük Reynolds sayılı akışlarda farklı simetrik kanat profilleri üzerindeki laminar ayrılma kabarcığının oluşumuna kanat profili kalınlığının etkisinin incelenmesi, Postgraduate, R.ŞAHİN(Student), Continues

Genç M. S., Çiftci C., YENİ NESİL RÜZGÂR TÜRBİNİ KANADININ DİNAMİK DAVRANIŞININ İNCELENMESİ, Postgraduate, A.ERDOĞAN(Student), Continues

Genç M. S., AA, Doctorate, A.BOZKURT(Student), Continues

Genç M. S., BASINÇ YÜZEYİNE PLAKA YERLEŞTİRİLMİŞ KANAT PROFİLLİ RÜZGAR TÜRBİNİ, Doctorate, K.SEKHOUNE(Student), Continues

Genç M. S., HİBRİT YENİLENEBİLİR ENERJİ SİSTEMLERİ İLE ELEKTRİK VE HİDROJEN ÜRETİMİNİN OPTİMİZASYONU, Doctorate, B.AKARSU(Student), Continues

Genç M. S., Azgın Ş. T., Erciyes Üniversitesi Kampüsünde Karbon Ayak İzinin Belirlenmesi, Postgraduate, F.BÜŞRA(Student), Continues

Genç M. S., AA, Doctorate, M.KAAN(Student), Continues

Genç M. S., EV TİPİ DAVLUMBAZ SİSTEMİ ENERJİ SEVİYESİNİN İYİLEŞTİRİLMESİ, Doctorate, E.GÜNDOĞDU(Student), Continues

Genç M. S., RÜZGAR TÜRBİNİ KANADINDA KAMBUR BALİNA KANAT YAPISI UYGULANMASI VE OPTİMİZASYONU, Postgraduate, T.Murat(Student), 2022

Genç M. S., RÜZGAR TÜRBİNİ KANADINDA BÜTÜNLEŞİK FLAP-GİRDAP ÜRETİCİ MEKANİZMASININ AERODİNAMİK PERFORMANSA ETKİSİNİN İNCELENMESİ, Doctorate, M.ÖZDEN(Student), 2022

Genç M. S., NOKTASAL ÖLÇÜM YÖNTEMİ İLE ELDE EDİLEN RÜZGAR HIZ VE YÖN DEĞERLERİ KULLANILARAK ALANSAL RÜZGAR KESMESİ TAHMİNİ, Doctorate, E.KÜLÜM(Student), 2022

Genç M. S., Yeni Rejeneratif Fren Yaklaşımı ile Enerji Depolanması ve Dönüşümü için Yol Topoloji Optimizasyonu, Postgraduate, B.AYYILDIZ(Student), 2022

Genç M. S., RÜZGAR TÜRBİNİ KANATLARINDA ESNEKLİĞİN YERİ VE BOYUNUN DEĞİŞİMİ İLE AKIŞ KONTROL KABİLİYETİNİN İNCELENMESİ, Doctorate, K.KOCA(Student), 2022

Genç M. S., KÜÇÜK ÖLÇEKLİ KOMPOZİT RÜZGAR TÜRBİN KANADININ AERODİNAMİK-YAPISAL BÜTÜNLEŞİK TASARIMI, Doctorate, R.ÖZKAN(Student), 2021

Genç M. S., Türkiye'deki denizüstü rüzgar potansiyelinin teknik, çevresel ve sosyo-ekonomik analizi, Postgraduate, F.KARİPOĞLU(Student), 2021

Genç M. S., ESNEK KANAT ÜZERİNDE PİEZOELEKTRİK MALZEMELER KULLANILARAK MİKRO HAVA ARAÇLARI İÇİN ENERJİ ÜRETİM POTANSİYELİNİN İNCELENMESİ, Postgraduate, N.BAYRAMOĞLU(Student), 2020

Genç M. S., RÜZGAR TÜRBİNİ SİSTEMLERİNDE ANLIK DEĞİŞEN RÜZGAR VERİLERİNE GÖRE GÜÇ-ENERJİ KALİTESİNİN İNCELENMESİ, Postgraduate, B.ATAZHANOV(Student), 2019

Genç M. S., Karasu İ., DİKEY EKSENLİ RÜZGAR TÜRBİNİNDE FLAP KULLANIMININ AERODİNAMİK PERFORMANSA ETKİSİNİN İNCELENMESİ, Postgraduate, K.SEKHOUNE(Student), 2019

GENÇ M. S., ESNEK KANATLARIN DÜŞÜK REYNOLDS SAYILARINDA KARARSIZ AERODİNAMİĞİNİN İNCELENMESİ, Doctorate, H.DEMİR(Student), 2018

GENÇ M. S., RÜZGAR TÜRBİNİ KANADI ÜZERİNDEKİ AKIŞIN ESNEKLİK İLE KONTROLÜ, Doctorate, H.Hakan(Student), 2018

GENÇ M. S., RÜZGAR TÜRBİNLERİNDE KULLANILAN DIŞ DIŞLI POMPALARDA DIŞLI MODİFİKASYONLARINDA VOLÜMETRİK VERİM VE KAVİTASYON ÜZERİNE ETKİSİNİN İNCELENMESİ, Postgraduate, A.İLBAŞ(Student), 2018

GENÇ M. S., GERÇEK BİR RÜZGAR SANTRALİ VERİLERİNİN ANALİZİ, Postgraduate, B.AKARSU(Student), 2017

GENÇ M. S., ENERJİ VERİMLİLİĞİ ARTTIRILMIŞ VAKUM KATMANLI FIRIN ÖN CAM TASARIMI, Postgraduate, E.YILDIZ(Student), 2017

GENÇ M. S., Rüzgâr hızı ve yönünün yük hücreleri kullanılarak eşzamanlı olarak ölçülmesi, Doctorate, F.KARAGÖZ(Student), 2017

GENÇ M. S., Farklı açıklık oranlarına sahip NACA4412 kanat profili etrafındaki akışın deneysel ve sayısal incelenmesi, Postgraduate, M.ÖZDEN(Student), 2017

GENÇ M. S., Rüzgar türbini kanadı etrafındaki akışın pürüzlülük elemanları ile kontrolü, Postgraduate, K.KOCA(Student), 2016

GENÇ M. S., Düşük Reynolds sayılı akışlarda kanat üzerinde kararsız aerodinamiğin incelenmesi, Postgraduate, G.ÖZKAN(Student), 2016

GENÇ M. S., Rüzgar türbini kanadının aeroelastik davranışının incelenmesi, Postgraduate, S.MANTICI(Student), 2015  
GENÇ M. S., MİKRO HAVA ARAÇLARINDA YUNUSLAMA HAREKETİ SONUCU OLUŞAN AERODİNAMİK PARAMETRELERİN ROBOTİK SİSTEMDE TESPİTİ, Postgraduate, M.UZUN(Student), 2015  
GENÇ M. S., KAYSERİ-PINARBAŞI RÜZGAR POTANSİYELİNE UYGUN MİKRO ÖLÇEKLİ RÜZGAR TÜRBİNİ AERODİNAMİK TASARIMI VE OPTİMİZASYONU, Postgraduate, O.KOŞAR(Student), 2014  
GENÇ M. S., BİR ENERJİ SİSTEMİNDE YANMA VERİMİ VE ISI İLETİM HATLARININ İYİLEŞTİRİLMESİ İLE ENERJİ İLE ENERJİ VERİMLİLİĞİ ARTIRILMASI, Postgraduate, H.BULANIKOĞLU(Student), 2014  
GENÇ M. S., SCRAMJET MOTORLARI İÇİN DENEY TASARIMI METODLARINI KULLANARAK KAVRAMSAL TASARIM YÖNTEMİNİN GELİŞTİRİLMESİ, Postgraduate, M.Tuğrul(Student), 2013  
GENÇ M. S., DÜŞÜK REYNOLDS SAYILI AKIŞLARDA KANAT PROFİLİ ÜZERİNDEKİ AKIŞA SES DALGALARININ ETKİSİNİN DENEYSEL İNCELENMESİ, Postgraduate, H.Hakan(Student), 2013  
GENÇ M. S., Kayseri İlinde Güneş Enerjisi ile Sulama Sistemi Maliyet Analizi, Postgraduate, S.Samed(Student), 2012  
GENÇ M. S., Düşük Reynolds Sayılı Akışlarda Kanat Profili Üzerinde Türbülansa Geçişin ve Laminer Ayrılma Kabarcığının Deneysel ve Sayısal İncelenmesi, Postgraduate, İ.KARASU(Student), 2011

## Jury Memberships

Appointment to Academic Staff-Assistant Professorship, Yardımcı Doçentlik Atama, Bayburt Üniversitesi, September, 2017  
Doctorate, Doktora Savunma, Gaziantep Üniversitesi, July, 2017  
Post Graduate, Tez Savunma, Cumhuriyet Üniversitesi, January, 2016  
Appointment to Academic Staff-Assistant Professorship, Yardımcı Doçentlik Atama, Aksaray Üniversitesi, November, 2015  
Doctorate, Doktora Yeterlilik, Gaziantep Üniversitesi, June, 2015  
Post Graduate, Yüksek Lisans, Cumhuriyet Üniversitesi, June, 2015  
Appointment to Academic Staff-Assistant Professorship, Yardımcı Doçentlik Atama, Gaziantep Üniversitesi, February, 2015  
Doctorate, Doktora Savunma, Çukurova Üniversitesi, November, 2014  
Doctorate, Doktora, Çukurova Üniversitesi, February, 2013  
Post Graduate, Yüksek lisans, Erciyes Üniversitesi, January, 2013  
Post Graduate, Yüksek lisans, Selçuk üniversitesi, December, 2012  
Academic Staff Examination, Öğretim görevlisi, Erciyes Üniversitesi, September, 2012  
Post Graduate, Yüksek Lisans, Aksaray Üniversitesi, February, 2012  
Post Graduate, Yüksek Lisans, Erciyes Üniversitesi, August, 2011  
Post Graduate, Yüksek Lisans, Aksaray Üniversitesi, February, 2011  
Doctorate, Doktora, İstanbul Teknik Üniversitesi, October, 2010  
Academic Staff Examination, Araştırma Görevlisi, Erciyes Üniversitesi, August, 2009

## Research Infrastructure Information

Genç M. S., Wind Engineering and Aerodynamics Research Laboratory, September 2010

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

- Multi-criteria analysis on the simulation-based optimal design of a new stack-type natural ventilation system for industrial buildings**  
Kayapınar O., Ergenekon Arslan A., Arslan O., Genç M. S.  
Thermal Science and Engineering Progress, vol.51, pp.1-10, 2024 (SCI-Expanded)

- II. **Hybrid modeling for the multi-criteria decision making of energy systems: An application for geothermal district heating system**  
Genç M. S., Arslan O., Ergenekon Arslan A.  
ENERGY, vol.286, pp.1-10, 2024 (SCI-Expanded)
- III. **Evaluation of wind measurement methods for determination of realistic wind shear: A case study in Aksaray, Turkey**  
Külüm E., GENÇ M. S., Karagöz F.  
Flow Measurement and Instrumentation, vol.93, 2023 (SCI-Expanded)
- IV. **Investigation of the effect of hidden vortex generator-flap integrated mechanism revealed in low velocities on wind turbine blade flow**  
Ozden M., GENÇ M. S., KOCA K.  
ENERGY CONVERSION AND MANAGEMENT, vol.287, 2023 (SCI-Expanded)
- V. **Passive Flow Control Application Using Single and Double Vortex Generator on S809 Wind Turbine Airfoil**  
Özden M., GENÇ M. S., KOCA K.  
Energies, vol.16, no.14, 2023 (SCI-Expanded)
- VI. **Aerodynamic design and optimization of a small-scale wind turbine blade using a novel artificial bee colony algorithm based on blade element momentum (ABC-BEM) theory**  
Ozkan R., GENÇ M. S.  
ENERGY CONVERSION AND MANAGEMENT, vol.283, 2023 (SCI-Expanded)
- VII. **Investigation of the Mechanical Behavior of a New Generation Wind Turbine Blade Technology**  
ÇİFTÇİ C., Erdogan A., GENÇ M. S.  
ENERGIES, vol.16, no.4, 2023 (SCI-Expanded)
- VIII. **Experimental flow control investigation over suction surface of turbine blade with local surface passive oscillation**  
Koca K., Genç M. S., Veerasamy D., Ozden M.  
OCEAN ENGINEERING, vol.266, 2022 (SCI-Expanded)
- IX. **GIS-based optimal site selection for the solar-powered hydrogen fuel charge stations**  
Karipoğlu F., Serdar Genç M. S., Akarsu B.  
FUEL, vol.324, no.Part B, pp.1-8, 2022 (SCI-Expanded)
- X. **Impact of local flexible membrane on power efficiency stability at wind turbine blade**  
KOCA K., GENÇ M. S., Ertürk S.  
Renewable Energy, vol.197, pp.1163-1173, 2022 (SCI-Expanded)
- XI. **Optimization of electricity and hydrogen production with hybrid renewable energy systems**  
Akarsu B., Serdar Genç M. S.  
FUEL, vol.324, no.Part A, pp.1-9, 2022 (SCI-Expanded)
- XII. **Experimental study of the wind turbine airfoil with the local flexibility at different locations for more energy output**  
Koca K., GENÇ M. S., Bayir E., Soguksu F. K.  
ENERGY, vol.239, 2022 (SCI-Expanded)
- XIII. **Mapping of laminar separation bubble and bubble-induced vibrations over a turbine blade at low Reynolds numbers**  
KOCA K., GENÇ M. S., Ozkan R.  
OCEAN ENGINEERING, vol.239, 2021 (SCI-Expanded)
- XIV. **Suitable site selection for offshore wind farms in Turkey's seas: GIS-MCDM based approach**  
Genç M. S., Karipoglu F., Koca K., Azgin Ş. T.  
EARTH SCIENCE INFORMATICS, vol.14, no.3, pp.1213-1225, 2021 (SCI-Expanded)
- XV. **Multi-objective structural optimization of a wind turbine blade using NSGA-II algorithm and FSI**  
Ozkan R., GENÇ M. S.  
AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, vol.93, no.6, pp.1029-1042, 2021 (SCI-Expanded)
- XVI. **Experimental analysis of fluid-structure interaction in flexible wings at low Reynolds number flows**

- Genç M. S., Demir H., Ozden M., Bodur T. M.  
AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, vol.93, no.6, pp.1060-1075, 2021 (SCI-Expanded)
- XVII. **Effect of partial flexibility over both upper and lower surfaces to flow over wind turbine airfoil**  
Genç M. S., Açıkel H. H., Koca K.  
Energy Conversion and Management, vol.219, 2020 (SCI-Expanded)
- XVIII. **Experimental investigation of the ground effect on a wing without/with trailing edge flap**  
Ozden K. S., Karasu I., GENÇ M. S.  
Fluid Dynamics Research, vol.52, no.4, pp.1-20, 2020 (SCI-Expanded)
- XIX. **A review of the legal framework in shallow geothermal energy in selected European countries: Need for guidelines**  
Tsagarakis K. P., Efthymiou L., Michopoulos A., Mavragani A., Anđelković A. S., Antolini F., Bacic M., Bajare D., Baralis M., Bogusz W., et al.  
Renewable Energy, vol.147, pp.2556-2571, 2020 (SCI-Expanded)
- XX. **Investigation of pre-stall flow control on wind turbine blade airfoil using roughness element**  
Genç M. S., Koca K., Açıkel H. H.  
Energy, vol.176, pp.320-334, 2019 (SCI-Expanded)
- XXI. **Control of laminar separation bubble over wind turbine airfoil using partial flexibility on suction surface**  
AÇIKEL H. H., GENÇ M. S.  
ENERGY, vol.165, pp.176-190, 2018 (SCI-Expanded)
- XXII. **Performance Assessment of Transition Models for Three-Dimensional Flow Over NACA4412 Wings at Low Reynolds Numbers**  
KARASU I., ÖZDEN M., GENÇ M. S.  
JOURNAL OF FLUIDS ENGINEERING-TRANSACTIONS OF THE ASME, vol.140, no.12, 2018 (SCI-Expanded)
- XXIII. **Interaction of tip vortex and laminar separation bubble over wings with different aspect ratios under low Reynolds numbers**  
GENÇ M. S., ÖZKAN G., ÖZDEN M., KIRIŞ M. S., YILDIZ R.  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, vol.232, no.22, pp.4019-4037, 2018 (SCI-Expanded)
- XXIV. **Identification of flow phenomena over NACA 4412 wind turbine airfoil at low Reynolds numbers and role of laminar separation bubble on flow evolution**  
KOCA K., GENÇ M. S., AÇIKEL H. H., ÇAĞDAŞ M., BODUR T. M.  
ENERGY, vol.144, pp.750-764, 2018 (SCI-Expanded)
- XXV. **An experimental investigation of laminar separation bubble formation on flexible membrane wing**  
Demir H., Genç M. S.  
EUROPEAN JOURNAL OF MECHANICS B-FLUIDS, vol.65, pp.326-338, 2017 (SCI-Expanded)
- XXVI. **A drag force anemometer using finite length cylinder with direction measurement capability**  
DALDABAN F., KARAGOZ F., GENÇ M. S.  
MEASUREMENT, vol.104, pp.117-122, 2017 (SCI-Expanded)
- XXVII. **Flow control with perpendicular acoustic forcing on NACA 2415 aerofoil at low Reynolds numbers**  
AÇIKEL H. H., GENÇ M. S.  
Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, vol.230, no.13, pp.2447-2462, 2016 (SCI-Expanded)
- XXVIII. **Acoustic Control of Flow over NACA 2415 Airfoil at Low Reynolds Numbers**  
GENÇ M. S., AÇIKEL H. H., Akpolat M. T., ÖZKAN G., Karasu I.  
Journal of Aerospace Engineering, vol.29, no.6, 2016 (SCI-Expanded)
- XXIX. **Unsteady aerodynamics and flow-induced vibrations of a low aspect ratio rectangular membrane wing with excess length**  
GENÇ M. S.  
Experimental Thermal and Fluid Science, vol.44, pp.749-759, 2013 (SCI-Expanded)
- XXX. **A review on wind energy and wind-hydrogen production in Turkey: A case study of hydrogen**

**production via electrolysis system supplied by wind energy conversion system in Central Anatolian Turkey**

GENÇ M. S., Çelik M., Karasu I.

Renewable and Sustainable Energy Reviews, vol.16, no.9, pp.6631-6646, 2012 (SCI-Expanded)

- XXXI. **Transient thermal stress distribution in a circular pipe heated externally with a periodically moving heat source**  
Ozisik G., GENÇ M. S., YAPICI H.  
INTERNATIONAL JOURNAL OF PRESSURE VESSELS AND PIPING, vol.99, pp.9-22, 2012 (SCI-Expanded)
- XXXII. **Cost analysis of wind-electrolyzer-fuel cell system for energy demand in Pnarbaş-Kayseri**  
Genç G., Celik M., Genç M. S.  
International Journal of Hydrogen Energy, vol.37, no.17, pp.12158-12166, 2012 (SCI-Expanded)
- XXXIII. **An experimental study on aerodynamics of NACA2415 aerofoil at low Re numbers**  
GENÇ M. S., KARASU I., AÇIKEL H. H.  
Experimental Thermal and Fluid Science, vol.39, pp.252-264, 2012 (SCI-Expanded)
- XXXIV. **Flow-induced vibrations of low aspect ratio rectangular membrane wings**  
Rojratsirikul P., Genc M. S., Wang Z., Gursul I.  
Journal of Fluids and Structures, vol.27, no.8, pp.1296-1309, 2011 (SCI-Expanded)
- XXXV. **Economic viability of water pumping systems supplied by wind energy conversion and diesel generator systems in north central Anatolia, Turkey**  
Genc M. S.  
Journal of Energy Engineering, vol.137, no.1, pp.21-35, 2011 (SCI-Expanded)
- XXXVI. **Performance of transition model for predicting low Re aerofoil flows without/with single and simultaneous blowing and suction**  
GENÇ M. S., Kaynak U., YAPICI H.  
European Journal of Mechanics, B/Fluids, vol.30, no.2, pp.218-235, 2011 (SCI-Expanded)
- XXXVII. **Numerical simulation of flow over a thin aerofoil at a high Reynolds number using a transition model**  
Genc M. S.  
Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, vol.224, no.10, pp.2155-2164, 2010 (SCI-Expanded)
- XXXVIII. **Non-uniform temperature gradients and thermal stresses produced by a moving heat flux applied on a hollow sphere**  
Yapici H., Ozisik G., GENÇ M. S.  
SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, vol.35, no.2, pp.195-213, 2010 (SCI-Expanded)
- XXXIX. **Evaluation of wind characteristics and energy potential in Kayseri, Turkey**  
GENÇ M. S., Goekcek M.  
Journal of Energy Engineering, vol.135, no.2, pp.33-43, 2009 (SCI-Expanded)
- XL. **A numerical study of the thermally induced stress distribution in a rotating hollow disc heated by a moving heat source acting on one of the side surfaces**  
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Genç M. S., Göçlü M. B., RÜZGAR TÜRBİNLERİNİN KULELERİNDE VEYA ENERJİ SANTRALLERİNDE POTANSİYEL ENERJİ DEPOLAMA SİSTEMİ, Patent, CHAPTER F Mechanical engineering; Lighting; Heating; Weaponry; Destroyed Materials, The Invention Recourse Number: 2021 , Standard Registration, 2021

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## Activities in Scientific Journals

Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, Editor, 2023 - Continues  
Advances in Energy and Power, Horizon Research Publishing, Publication Committee Member, 2013 - Continues  
International Journal of Sustainable Energy and Environment, Publication Committee Member, 2012 - Continues  
International Journal of Aerospace Sciences-Scientific & Academic Publishing Co., Publication Committee Member, 2012 - Continues  
International Journal of Energy Engineering-Scientific & Academic Publishing Co., Publication Committee Member, 2012 - Continues  
American Journal of Fluid Dynamics-Scientific & Academic Publishing Co., Publication Committee Member, 2012 - Continues  
Journal of Fluids and Thermal Sciences, Mili Publications, Publication Committee Member, 2011 - Continues

## Memberships / Tasks in Scientific Organizations

RÜZGAR ENERJİSİ ARAŞTIRMA MERKEZİ, Member, 2016 - Continues  
TMMOB, Makine Mühendisleri Odası, Member, 2010 - Continues  
Türk Isı Bilimi ve Tekniği Derneği, Member, 2009 - Continues  
Associate Member, Member, 2008 - Continues

## Scientific Refereeing

TUBITAK Project, June 2018  
TUBITAK Project, November 2017  
Energy, National Scientific Refreed Journal, September 2017  
Journal of Fluids and Engineering, National Scientific Refreed Journal, August 2017  
TUBITAK Project, May 2017  
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European Journal of Mechanics / B Fluids, SCI Journal, October 2015  
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Turkish Journal of Engineering and Environmental Sciences, ISSN: 1300-0160, TUBITAK, SCI Journal, October 2010  
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International Journal of Energy Research, ISSN: 0363-907X, John Wiley & Sons, Ltd., SCI Journal, August 2010  
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48th AIAA Aerospace Sciences Meeting Including the New Horizons Forum and Aerospace Exposition, American Institute of Aeronautics and Astronautics (AIAA), Other journals, January 2009

## Metrics

Publication: 158

Citation (WoS): 1472

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H-Index (WoS): 25

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## Congress and Symposium Activities

International Conference of Mechanical and Aerospace Engineering 2013, Invited Speaker, United States Of America, 2013

## Scholarships

Doktora Sonrası Yurt Dışı Bursu-2219 (1 Yıl), TUBITAK, 2009 - Continues

## Awards

Genç M. S., YÖK Üstün Başarı Ödülü, Yüksek Öğretim Kurumu, October 2023

Açikel H. H., Genç M. S., TÜBA TEKNOFEST DOKTORA BİLİM ÖDÜLÜ, Türkiye Bilimler Akademisi, September 2021

GENÇ M. S., Silver Medal for the Invent of "AN AIRFOIL INCREASED AERODYNAMIC PERFORMANCE WITH FLEXIBILITY", Türk Patent, September 2018

GENÇ M. S., Best Presentation Award, 2nd INTERNATIONAL CONFERENCE ON ADVANCES IN SCIENCE ICAS 2017, September 2017

GENÇ M. S., Best Presentation Award in the First Day of Conference, University of Liberec, November 2015

GENÇ M. S., Bilimsel Yayın Onur Ödülü, Erc. Ün. Mühendislik Fakültesi, June 2013

GENÇ M. S., DEMİRYÜREK O., Bilimsel Yayın Onur Ödülü, Erc. Ün. Mühendislik Fakültesi, January 2011

GENÇ M. S., Bilimsel Yayın Onur Ödülü, Erc. Ün. Mühendislik Fakültesi, January 2010

GENÇ M. S., Övgüye Değer Doktora Ödülü, Teorik ve Uygulamalı Mekanik Türk Milli Komitesi, June 2009

## Non Academic Experience

MSG Teknoloji Limited Şirketi

Other Public Institution, Bilimsel Ve Teknik İşbirliği Alanında Avrupa İşbirliği (Cost) Programı,, Yönetim Kurulu Üyesi  
Meteoroloji Genel Müdürlüğü

Public Corporation, Meteoroloji Genel Müdürlüğü, Erkilet Havalimanı

GIDA TARIM VE HAYVANCILIK BAKANLIĞI