

Prof. Mehmet BOZCA

Personal Information

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Web: <https://avesis.yildiz.edu.tr/mbozca>

Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Makina Mühendisliği, Turkey 1999 - 2005

Postgraduate, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Makina Mühendisliği, Turkey 1993 - 1996

Undergraduate, Yıldız Üniversitesi, Mühendislik Fakültesi, Makina Mühendisliği, Turkey 1983 - 1987

Research Areas

Mechanical Engineering, Construction and Manufacturing, Machine Elements, Engineering and Technology

Academic Titles / Tasks

Professor, Yıldız Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2021 - Continues

Associate Professor, Yıldız Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2014 - 2021

Assistant Professor, Yıldız Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2009 - 2014

Lecturer PhD, Yıldız Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2005 - 2009

Research Assistant, Yıldız Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 1998 - 2005

Academic and Administrative Experience

Fakülte Yönetim Kurulu Üyesi, Yıldız Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2018 - 2020

Fakülte Kurulu Üyesi, Yıldız Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2018 - 2020

Courses

MACHINE ELEMENTS-1, Undergraduate, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021, 2021 - 2022, 2022 - 2023

DİŞLİ ÇARK MEKANİZMALARININ OPTİMİZASYONU, Postgraduate, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2017 - 2018, 2019 - 2020, 2021 - 2022, 2022 - 2023

MACHINE ELEMENTS-2, Undergraduate, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021, 2021 - 2022
ADVANCED BEARING TECHNOLOGY, Postgraduate, 2018 - 2019, 2020 - 2021
KONSTRÜKSİYONDA GÜVENİRLİK, Postgraduate, 2012 - 2013, 2014 - 2015, 2016 - 2017, 2019 - 2020
KONSTRÜKSİYONDA HASAR TÜRLERİ, Postgraduate, 2016 - 2017, 2017 - 2018

Advising Theses

BOZCA M., Dişli Çark Geometrik Parametrelerinin Optimizasyonu, Postgraduate, E.Can(Student), 2019
BOZCA M., Ağır Ticari Araçlarda Kullanılan Parabolik Yaprak Yayların Yorulma Davranışının İncelenmesi, Postgraduate, U.Taner(Student), 2016
BOZCA M., Hafif Ticari Araçlarda Motor Traversinin Yapısal Optimizasyonu, Postgraduate, Ö.Höke(Student), 2016
BOZCA M., Dişli Çarklarda Yüzey Hasarının ve Etkili Parametrelerinin Deneysel Olarak İncelenmesi, Postgraduate, A.İpekçi(Student), 2015
BOZCA M., Profil Kaydırmalı Helisel Alın Dişli Çark Mekanizmalarının Optimizasyonu, Postgraduate, N.Okan(Student), 2012
BOZCA M., Değişken Yükleme Koşulları Altında Helisel Alın Dişli Çark Mekanizmalarının Bilgisayar Yardımıyla Hesaplanması, Postgraduate, M.Çağdaş(Student), 2011

Jury Memberships

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Yıldız Teknik Üniversitesi, June, 2022
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Yıldız Teknik Üniversitesi, June, 2022
Associate Professor Exam, Associate Professor Exam, Üniversitelerarası Kurul ÜAK, March, 2022
Appointment Academic Staff, Appointment Academic Staff, Akdeniz Üniversitesi, February, 2022
Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, July, 2021
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Yıldız Teknik Üniversitesi, June, 2021
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Yıldız Teknik Üniversitesi, December, 2020
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Yıldız Teknik Üniversitesi, June, 2020
Post Graduate, Post Graduate, İstanbul Teknik Üniversitesi, December, 2019
Post Graduate, Post Graduate, İstanbul Teknik Üniversitesi, December, 2019
Doctoral Examination, Doktora Yeterlik Jürisi, YILDIZ TEKNİK ÜNİVERSİTESİ, April, 2019
Doctoral Examination, Doktora Yeterlik Jürisi, İSTANBUL TEKNİK ÜNİVERSİTESİ, December, 2017
Post Graduate, YL. Tez Savunma Jürisi, YILDIZ TEKNİK ÜNİVERSİTESİ, October, 2017
Post Graduate, YL. Tez Savunma Jürisi, YILDIZ TEKNİK ÜNİVERSİTESİ, July, 2017
Doctoral Examination, Doktora Yeterlik Jürisi, İSTANBUL TEKNİK ÜNİVERSİTESİ, May, 2017
Post Graduate, YL. Tez Savunma Jürisi, İSTANBUL AYDIN ÜNİVERSİTESİ, May, 2017
Post Graduate, YL. Tez Savunma Jürisi, İSTANBUL AYDIN ÜNİVERSİTESİ, May, 2017
Doctoral Examination, Doktora Yeterlik Jürisi, İSTANBUL TEKNİK ÜNİVERSİTESİ, December, 2016
Post Graduate, YL. Tez Savunma Jürisi, YILDIZ TEKNİK ÜNİVERSİTESİ, October, 2016
Doctoral Examination, Doktora Yeterlik Jürisi, YILDIZ TEKNİK ÜNİVERSİTESİ, October, 2016
Post Graduate, YL. Tez Savunma Jürisi, YILDIZ TEKNİK ÜNİVERSİTESİ, June, 2016
Post Graduate, YL. Tez Savunma Jürisi, YILDIZ TEKNİK ÜNİVERSİTESİ, May, 2016
Post Graduate, YL. Tez Savunma Jürisi, YILDIZ TEKNİK ÜNİVERSİTESİ, March, 2016
Post Graduate, YL. Tez Savunma Jürisi, İSTANBUL TEKNİK ÜNİVERSİTESİ, June, 2013

Post Graduate, YL. Tez Savunma Jürisi, YILDIZ TEKNİK ÜNİVERSİTESİ, June, 2012

Post Graduate, YL. Tez Savunma Jürisi, İSTANBUL TEKNİK ÜNİVERSİTESİ, December, 2011

Designed Lessons

Bozca M., ADVANCED BEARING TECHNOLOGY, Postgraduate, 2015 - 2016

Bozca M., KONSTRÜKSİYONDA HASAR TÜRLERİ, Postgraduate, 2014 - 2015

Bozca M., DIŞLI ÇARK MEKANİZMALARININ OPTİMİZASYONU, Postgraduate, 2009 - 2010

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Experimental and numerical analysis of the static strength and fatigue life reliability of parabolic leaf springs in heavy commercial trucks**
Ceyhanlı U. T. , Bozca M.
ADVANCES IN MECHANICAL ENGINEERING, vol.12, no.7, pp.1-17, 2020 (Journal Indexed in SCI Expanded)
- II. **Topology Optimisation of Engine Cross Members for Lightweight Structure in Light Commercial Vehicles**
Hoke O., Bozca M.
INTERNATIONAL JOURNAL OF PRECISION ENGINEERING AND MANUFACTURING, vol.21, pp.465-482, 2020 (Journal Indexed in SCI)
- III. **Transmission error model-based optimisation of the geometric design parameters of an automotive transmission gearbox to reduce gear-rattle noise**
Bozca M.
APPLIED ACOUSTICS, vol.130, pp.247-259, 2018 (Peer-Reviewed Journal)
- IV. **Heat Treatment Effects on the Mechanical Properties and Microstructure of 30MnB4 Steel Bolts**
Kınt U., Bozca M.
MATERIALS TESTING, vol.56, pp.945-949, 2014 (Journal Indexed in SCI)
- V. **Optimisation of geometric parameters of gears under variable loading condition**
Bozca M., Dikmen F.
Advanced Materials, vol.445, pp.1005-1010, 2012 (Journal Indexed in SCI Expanded)
- VI. **Torsional vibration model based optimization of gearbox geometric design parameters to reduce rattle noise in an automotive transmission**
Bozca M.
MECHANISM AND MACHINE THEORY, vol.45, no.11, pp.1583-1598, 2010 (Peer-Reviewed Journal)
- VII. **Empirical model based optimization of gearbox geometric design parameters to reduce rattle noise in an automotive transmission**
Bozca M., Fietkau P.
MECHANISM AND MACHINE THEORY, vol.45, no.11, pp.1599-1612, 2010 (Journal Indexed in SCI)
- VIII. **Influence of core hardness on bending strength of tooth in cylindrical gears under quasistatic loading conditions**
BOZCA M.
Fatigue and Fracture of Engineering Materials and Structures, vol.31, pp.902-910, 2008 (Journal Indexed in SCI Expanded)
- IX. **Decoupled approach to integrated optimum design of structures and robust control system**
Bozca M., Mugan A., Temeltaş H.
Structural And Multidisciplinary Optimization, vol.36, pp.169-191, 2007 (Peer-Reviewed Journal)

Articles Published in Other Journals

- I. **Effects of design parameters on static equivalent stress of radial rolling bearings**
Bozca M.
Acta Polytechnica, vol.61, no.1, pp.163-173, 2021 (Journal Indexed in ESCI)
- II. **Investigation of the effective parameters of scuffing failure in gears**
Bozca M.
Ukrainian J. of Mechanical Engineering and Materials Science, vol.6, no.1, pp.1-7, 2020 (International Refereed University Journal)
- III. **Dynamics analysis of a truss system modelled by the finite element method in the frequency domain**
Bozca M.
Sigma Journal of Engineering and Natural Science, vol.38, no.3, pp.1381-1398, 2020 (Journal Indexed in ESCI)
- IV. **An experimental study of the effects of temperature and acceleration on gear rattle noise**
Bozca M.
Technium: Romanian Journal of Applied Sciences and Technology, vol.2, no.6, pp.74-86, 2020 (Refereed Journals of Other Institutions)
- V. **Systematic investigation of stresses in concentrically clamped bolted joints using the finite element method**
Bozca M.
Mathematical Modeling and Computing, vol.7, no.2, pp.345-365, 2020 (Journal Indexed in ESCI)
- VI. **RELIABILITY ANALYSIS OF THE MECHANICAL PROPERTIES OF 30MnB4 HIGH STRENGTH STEEL BOLTS UNDER STATIC LOADING CONDITIONS**
BOZCA M., KINIT U.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.38, no.2, pp.495-512, 2020 (Journal Indexed in ESCI)
- VII. **Finite elements method modelling of rolling bearings**
Koç M., Bozca M.
International Scientific Journal Machines. Technologies. Materials., vol.13, no.2, pp.62-65, 2019 (Refereed Journals of Other Institutions)
- VIII. **Optimisation of gear geometrical parameters using KISSSOFT**
Can E., Bozca M.
International Scientific Journal Machines. Technologies. Materials., vol.13, no.1, pp.7-10, 2019 (Refereed Journals of Other Institutions)
- IX. **Sertleştirilmiş silindirik düz dişli çarkın statik eğilme dayanımının güvenilirlik analizi**
Bozca M.
International journal of advances in engineering and pure sciences (Online), vol.30, no.4, pp.388-397, 2018 (National Refreed University Journal)
- X. **Helix angle effect on the helical gear load carrying capacity**
Bozca M.
World Journal of Engineering and Technology, vol.6, no.4, pp.825-838, 2018 (Refereed Journals of Other Institutions)
- XI. **Optimisation of effective design parameters for an automotive transmission gearbox to reduce tooth bending stress**
Bozca M.
Modern Mechanical Engineering, vol.7, no.2, pp.35-56, 2017 (Refereed Journals of Other Institutions)
- XII. **Singular value decomposition based optimisation of design parameters of a gearbox**
Bozca M.
International Journal of Mechanical, Aerospace, Industrial, Mechatronic and Manufacturing Engineering, vol.9, no.7, pp.1230-1234, 2015 (Refereed Journals of Other Institutions)
- XIII. **Yapı ve LQR kontrol sisteminin birleşik optimum tasarımı**
Bozca M., Mugan A.
itü dergisi/d, vol.5, no.2, pp.89-97, 2006 (National Refreed University Journal)

Books & Book Chapters

- I. **Optimisation of the geometric design parameters of a five speed gearbox for an automotive transmission**
Bozca M.
in: The Latest Methods in Construction Design, Vojtech Dinybyl, Ondrej Berka, Karel Petr, Frantisek Lopot, Martin Dub, Editor, Springer International Publishing, Zürich, pp.313-318, 2016
- II. **Investigation of heat treatment effect on mechanical properties of high strength steel bolt material**
Kınt U., Bozca M., Palabıyık İ. M. , Sevinç A., Büyükalgan U. H.
in: Modern Methods in Construction Design, Ladislav Sevcik, Petr Lepsik, Michal Petru, Ivan Masin, Rudolf Martonka, Editor, Springer International Publishing, Zürich, pp.89-95, 2014

Refereed Congress / Symposium Publications in Proceedings

- I. **Fatigue behaviour investigation of parabolic leaf spring used in heavy commercial vehicles**
Ceyhanlı U. T. , Bozca M.
AAT'2016, International Conference on Advances in Automotive Technologies, İstanbul, Turkey, 11 - 14 October 2016, pp.10-20
- II. **Structural optimisation of engine cross member in light commercial vehicles**
Höke Ö., Bozca M.
AAT'2016, International Conference on Advances in Automotive Technologies, İstanbul, Turkey, 11 - 14 October 2016, pp.1-10
- III. **Theoretical Investigation of Point Contact for Ball Bearings Application**
Bozca M.
ICMD'2016 57th International Conference of Machine Design Departments, Plzen, Czech Republic, 6 - 09 September 2016, pp.195-200
- IV. **Theoretical Investigation of Line Contact for Roller Bearings Application**
Bozca M.
ICMD'2016 57th International Conference of Machine Design Departments, Plzen, Czech Republic, 6 - 09 September 2016, pp.201-206
- V. **Optimisation of Crankshaft Dimensions to Reduce Equivalent Stress and Mass under Dynamic Loading Condition**
Bozca M.
IMEF'2012 5th International Mechanical Engineering Forum,, Praha, Czech Republic, 21 - 23 June 2012, pp.217-222
- VI. **Kinematic Analysis of a Semi-Rigid-Elastic Multi-Body Torsional Vibration Model of Gears System**
Bozca M.
ICCC'2011 12th International Carpathian Control Conference, Ostrava, Czech Republic, 25 - 28 May 2011, pp.41-45
- VII. **Comparison of Under Lapped and Critically Lapped Hydraulic Spool Valves Performance**
Bozca M.
ICCC'2010 11th International Carpathian Control Conference, Eger, Hungary, 26 - 29 May 2010, pp.331-334
- VIII. **Birikimli Hasar Durumunda Öngörülen Ömür Emniyet ve Güvenilirliğe Göre Makina Parçalarının Tasarımı**
Bozca M., Tahralı N.
OTEKON' 2008 Otomotiv Teknolojileri Kongresi, Bursa, Turkey, 1 - 04 June 2008, pp.523-529
- IX. **Robust Position Control of A Hydraulic Servovalve-Cylinder-Mass System**
Bozca M., Yalçın E.
TMT' 2005 9th International Research/Expert Conference, Trends in The Development of Machinery and Associated Technology, Antalya, Turkey, 26 - 30 September 2005, pp.567-570
- X. **Structural Optimization of Beam System Under Stress Constraint and Dynamic Behaviour Analysis in**

Frequency Domain

Bozca M., Mugan A.

TMT' 2005 9th International Research/Expert Conference, Trends in The Development of Machinery and Associated Technology, Antalya, Turkey, 26 - 30 September 2005, pp.917-920

XI. Integrated Optimization of Structures and LQR Control Systems for Reduced Order Models

Bozca M., Cünediođlu Y., Mugan A., Temeltaş H.

IFAC' 2005 International Federation of Automatic Control, Praha, Czech Republic, 4 - 08 July 2005, pp.389-394

XII. Bir Kiriş Sistemin Gerilme Kısıtı Altında Yapısal Optimizasyonu ve Frekans Uzaklığında Dinamik Davranışının Analizi

Bozca M., Mugan A.

UMTS' 2005 Ulusal Makina Teorisi Sempozyumu, Kayseri, Turkey, 9 - 11 June 2005, pp.461-468

XIII. Model Derecesi Düşürülmüş Yapının ve LQR Kontrol Sisteminin Birleşik Optimum Tasarımı

Bozca M., Cünediođlu Y., Mugan A., Temeltaş H.

TOK' 2005 Otomatik Kontrol Ulusal Toplantısı, İstanbul, Turkey, 2 - 03 June 2005, pp.51-58

XIV. Integrated Optimization of Structures and LQR Controller

Bozca M., Mugan A., Temeltaş H.

ICCC' 2005 6th International Carpathian Control Conference, Miskolc, Hungary, 23 - 27 May 2005, pp.225-234

XV. Yolcu Taşıma Araçlarında Yolcunun Matematik Modelinin Lagrange Metodu ile Oluşturulması ve Kinematik Analizi

Bozca M.

OTEKON' 2004 Otomotiv Teknolojileri Kongresi, Bursa, Turkey, 21 - 23 June 2004, pp.377-386

XVI. Concurrent Optimization of Controlled Structures For Robustness

Bozca M., Mugan A.

ICCC' 2004 5th International Carpathian Control Conference, Krakow, Poland, 25 - 28 May 2004, pp.35-44

Supported Projects

BOZCA M., CAN E., Project Supported by Higher Education Institutions, DİŞLİ ÇARK GEOMETRİK PARAMETRELERİNİN OPTİMİZASYONU, 2018 - 2019

Memberships / Tasks in Scientific Organizations

TMMOB Chamber of Mechanical Engineers, Member, 1987 - Continues

Scientific Refereeing

ADVANCES IN MECHANICAL ENGINEERING, SCI Journal, July 2022

ACTA MECHANICA, SCI Journal, July 2022

ADVANCES IN MECHANICAL ENGINEERING, SCI Journal, August 2021

APPLIED ACOUSTICS, SCI Journal, August 2021

Proceedings Of The Institution Of Mechanical Engineers Part D-Journal Of Automobile Engineering, SCI Journal, July 2021

APPLIED ACOUSTICS, SCI Journal, June 2021

Project Supported by Higher Education Institutions, BAP PhD, Akdeniz University, Turkey, December 2020

SHOCK AND VIBRATION, SCI Journal, August 2020

SHOCK AND VIBRATION, SCI Journal, July 2020

Sigma Journal of Engineering and Natural Sciences, Journal Indexed in ESCI, May 2020

Sigma Journal of Engineering and Natural Sciences, Journal Indexed in ESCI, March 2020

Proceedings Of The Institution Of Mechanical Engineers Part C-Journal Of Mechanical Engineering Science, SCI Journal,

November 2019

Proceedings Of The Institution Of Mechanical Engineers Part D-Journal Of Automobile Engineering, SCI Journal, September 2019

Mathematical Problems in Engineering, SCI Journal, December 2018

TUBITAK Project, 1501 - Industry R & D Projects Support Program, TÜBİTAK, Turkey, December 2018

Proceeding of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, SCI Journal, June 2018

Journal of the Brazilian Society of Mechanical Sciences and Engineering, SCI Journal, April 2018

Proceeding of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, SCI Journal, November 2017

Proceeding of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, SCI Journal, November 2017

Vehicle System Dynamics, SCI Journal, June 2017

Journal of Zhejiang University SCIENCE A, SCI Journal, June 2016

TUBITAK Project, 1501 - Industry R & D Projects Support Program, TÜBİTAK, Turkey, December 2015

Shock and Vibration, SCI Journal, October 2015

TUBITAK Project, 1501 - Industry R & D Projects Support Program, TÜBİTAK, Turkey, December 2014

Mechanism and Machine Theory, SCI Journal, February 2011

Mechanism and Machine Theory, SCI Journal, December 2010

TUBITAK Project, 1501 - Industry R & D Projects Support Program, TÜBİTAK, Turkey, August 2010

Mechanism and Machine Theory, SCI Journal, November 2007

Tasks In Event Organizations

Bozca M., International Scientific and Theoretical Conference " Modelling and Computer Engineering in Mechanical Engineering: Theory , Practice and Innovation", Scientific Congress, Lviv, Ukraine, Ekim 2022

Bozca M., ICC'2022 23rd International Carpathian Control Conference, Scientific Congress, Bucuresti, Romania, Haziran 2022

Bozca M., IRMES'2022 10th International Conference on Research and Development of Mechanical Elements and Systems, Scientific Congress, Belgrade, Serbia, Mayıs 2022

Bozca M., ICC'2021 22nd International Carpathian Control Conference, Scientific Congress, Ostrava, Czech Republic, Haziran 2021

Bozca M., ICC'2020 21st International Carpathian Control Conference, Scientific Congress, Koshice, Slovakia, Ekim 2020

Bozca M., ICC'2019 20th International Carpathian Control Conference, Scientific Congress, Krakow, Poland, Mayıs 2019

Bozca M., ICC'2017 18th International Carpathian Control Conference, Scientific Congress, Brasov, Romania, Mayıs 2017

Bozca M., AAT'2016 International Conference on Advances in Automotive Technologies, Scientific Congress, İstanbul, Turkey, Ekim 2016

Bozca M., BAPT'2016 5th International Conference on Power Transmisson, Scientific Congress, Ohrid, Macedonia, Ekim 2016

Bozca M., ICC'2015 16th International Carpathian Control Conference, Scientific Congress, Nagykanizsa, Hungary, Mayıs 2015

Bozca M., ICMD'2013 54th International Machine Design Department Conference, Scientific Congress, Liberec, Czech Republic, Eylül 2013

Bozca M., ICC'2011 12th International Carpathian Control Conference, Scientific Congress, Ostrava, Czech Republic, Mayıs 2011

Mobility Activity

Bilateral Colloboration Agreement, Guest Researcher, Brno Yüksek Teknik Okulu, Czech Republic, 2015 - 2015

Bilateral Colloboration Agreement, Guest Researcher, Hochschule Esslingen, Germany, 2012 - 2012

Bilateral Colloboration Agreement, Guest Researcher, Universitaet Stuttgart, Germany, 2009 - 2009

Bilateral Colloboration Agreement, Guest Researcher, Technische Universitaet München, Germany, 2006 - 2006

Metrics

Publication: 40

Citation (WoS): 90

Citation (Scopus): 117

H-Index (WoS): 3

H-Index (Scopus): 3

Awards

Höke Ö., Bozca M., Topology Optimisation of Engine Cross Members for Lightweight Structure in Light Commercial Vehicles, Yıldız Teknik Üniversitesi, January 2021

Ceyhanlı U. T. , Bozca M., Experimental and numerical analysis of the static strength and fatigue life reliability of parabolic leaf springs in heavy commercial trucks, Yıldız Teknik Üniversitesi, January 2021

Bozca M., Transmission error model based optimisation of the geometric design parameters of an automotive transmission gearbox to reduce gear rattle noise, Tübitak-Ulakbim, September 2018

Bozca M., Heat treatment effects on the mechanical properties and microstructure of 30MnB4 steel bolts, Tübitak-Ulakbim, December 2014

Bozca M., Dikmen F., Optimisation of Geometric Parameters of Gears under Variable Loading Condition, Yıldız Teknik Üniversitesi, January 2012

Bozca M., Empirical model based optimisation of gearbox geometric design parameters to reduce rattle noise in an automotive transmission, Tübitak-Ulakbim, September 2010

Bozca M., Torsional vibration model based optmisation of gearbox geometric design parameters to reduce rattle noise in an automotive transmission, Tübitak-Ulakbim, September 2010

Bozca M., Influence of core hardness on bending strength of tooth in cylindrical gears under quasistatic loading conditions, Tübitak-Ulakbim, December 2008

Bozca M., Decoupled approach to integrated optimum design of structures and robust control systems, Tübitak-Ulakbim, August 2008

Non Academic Experience

Business Establishment Private, Assan-Hanil-A.Ş.

Business Establishment Private, Ford-Otosan A.Ş.

Business Establishment Private, Cihan Elektronik San. A.Ş.