

# AYKUT KENTLİ

## DOÇENT

**E-Posta Adresi**

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### Öğrenim Bilgisi

|                                       |                                                                                                                                                                                                                                                               |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Doktora<br>2002<br>Temmuz/2008        | <b>MARMARA ÜNİVERSİTESİ</b><br>FEN BİLİMLERİ ENSTİTÜSÜ/MAKİNE MÜHENDİSLİĞİ (DR)<br><br>Tez adı: Comparison and determination of efficient techniques for fuzzy multiobjective design optimization of mechanical systems (2008) Tez Danışmanı:(ABDÜLKERİM KAR) |
| Yüksek Lisans<br>1998<br>Ağustos/2001 | <b>MARMARA ÜNİVERSİTESİ</b><br>FEN BİLİMLERİ ENSTİTÜSÜ/MAKİNE MÜHENDİSLİĞİ (YL) (TEZLİ)<br><br>Tez adı: Multiobjective optimization of axially loaded non-prismatic columns (2001) Tez Danışmanı:(ABDÜLKERİM KAR)                                             |
| Lisans<br>1992<br>1997                | <b>İSTANBUL TEKNİK ÜNİVERSİTESİ</b><br>MAKİNE FAKÜLTESİ/MAKİNE MÜHENDİSLİĞİ BÖLÜMÜ/TERMODİNAMİK VE ISI TEKΝİĞİ ANABİLİM DALI                                                                                                                                  |

### Görevler

|                              |                                                                                                     |
|------------------------------|-----------------------------------------------------------------------------------------------------|
| DOÇENT<br>2013               | <b>MARMARA ÜNİVERSİTESİ/MÜHENDİSLİK FAKÜLTESİ/MAKİNE MÜHENDİSLİĞİ BÖLÜMÜ/MEKANİK ANABİLİM DALI)</b> |
| YARDIMCI DOÇENT<br>2008-2013 | <b>MARMARA ÜNİVERSİTESİ/MÜHENDİSLİK FAKÜLTESİ/MAKİNE MÜHENDİSLİĞİ BÖLÜMÜ/MEKANİK ANABİLİM DALI)</b> |

### Yönetilen Tezler

#### Yüksek Lisans

2018

1. KESKİN İHSAN, (2018). Selection of best eccentric presses considering production capacity and maintenance by using VIKOR method, Marmara Üniversitesi->Fen Bilimleri Enstitüsü->Makine Mühendisliği Anabilim Dalı
2. AYÇİÇEK CANDAS, (2018). Development of high performance taps for titanium alloys, Marmara Üniversitesi->Fen Bilimleri Enstitüsü->Makine Mühendisliği Anabilim Dalı

2016

3. HALILOĞLU HÜSEYİN CAN, (2016). Tahribatsız muayenede iş sağlığı ve güvenliğinin değerlendirilmesi, Gedik Üniversitesi->Sosyal Bilimler Enstitüsü->İş Sağlığı ve Güvenliği Anabilim Dalı

2014

4. ŞAHBAZ MEHMET, (2014). Mechanical and thermal design and optimization of street type led armatures, Marmara Üniversitesi->Fen Bilimleri Enstitüsü->Makine Mühendisliği Anabilim Dalı
5. ÖZBEYAZ KERİM, (2014). Prediction of surface roughness value for machining of Aluminum 1050 material by using artificial neural network, Marmara Üniversitesi->Fen Bilimleri Enstitüsü->Makine Mühendisliği Anabilim Dalı
6. ÖĞÜT SERKAN, (2014). Optimization of space bar structures using hybrid model of artificial neural network and simulated annealing, Marmara Üniversitesi->Fen Bilimleri Enstitüsü->Makine Mühendisliği Anabilim Dalı

2013

7. ÇAKAR HÜSEYİN UĞUR, (2013). Production of zirconia powders by milling process, Marmara Üniversitesi->Fen Bilimleri Enstitüsü->Makine Mühendisliği Anabilim Dalı

2012

8. DEMİRTAŞ MUHAMMET, (2012). An axiomatic design approach to mechanical car parking system design, Marmara Üniversitesi->Fen Bilimleri Enstitüsü->Makine Mühendisliği Anabilim Dalı
9. DÖNMEZ SİNAN, (2012). Investigation on mechanical and electrical properties of carbon nano-tubes reinforced polycarbonate nano-composite material, Marmara Üniversitesi->Fen Bilimleri Enstitüsü->Makine Mühendisliği Anabilim Dalı
10. UÇAK GÜÇLÜ, (2012). Selection of machine stations and lines via analytic hierarchy process in an automotive industry, Marmara Üniversitesi->Fen Bilimleri Enstitüsü->Makine Mühendisliği Anabilim Dalı

## Doktora

2017

11. DOĞRUSADIK AHMET, (2017). Experimental investigation of influences of support plates on micro-drilling of CFRP laminates, Marmara Üniversitesi->Fen Bilimleri Enstitüsü->Makine Mühendisliği Anabilim Dalı

## Projelerde Yaptığı Görevler:

1. Otomotiv Endüstrisinde Uygun Üretim Ekipmanlarının ve Hatlarının Çok Kriterli Karar Verme Yöntemi Kullanılarak Seçimi. BAP. Yürütücü. 2011-2012 (ULUSAL)
2. Karar Ağacı Metodu Kullanarak Bir Temel Mühendislik Dersinde Öğrenci Performansını Tahmin Etme, BAP. Yürütücü. 2011-2012 (ULUSAL)
3. Mühendislik Öğrencilerinin Ders Kitabına Çalışmalarını Etkileyen Faktörlerin Belirlenmesi, BAP, Yürütücü. 2014-2015 (ULUSAL)

## Eserler

### Uluslararası hakemli dergilerde yayımlanan makaleler:

1. ŞAHBAZ MEHMET, KENTLİ AYKUT, KÖTEN HASAN Thermal analysis and optimization of high power led armature. Thermal Science(00), 238-238., Doi: 10.2298/TSCI170704238S (Yayın No: 3886651)
2. KENTLİ AYKUT (2018). OPTIMIZATION OF SURFACE ROUGHNESS VALUES FOR EDM PROCESS USING A HYBRID METHOD OF ANFIS AND GA. International Journal of Scientific Research Engineering Technology, 7(12), 869-872. (Yayın No: 4775534)
3. Doğrusadik Ahmet, KENTLİ AYKUT (2017). Comparative assessment of support plates'xx influences on delamination damage in micro-drilling of CFRP laminates. COMPOSITE STRUCTURES, 173(null), 156-167., Doi: 10.1016/j.compstruct.2017.04.031 (Yayın No: 3885561)
4. KENTLİ AYKUT, Keskin İhsan, Company Kanca Forging Steel (2017). SELECTING OF BEST FORGING PRESS LINES CONSIDERING POSTURES BASED ON PRODUCTION PROCESS AND MAINTENANCE BY USING VIKOR METHOD. International Journal of Scientific Research Engineering Technology, 6(11), 1095-1100. (Yayın No: 3886214)
5. ŞAHBAZ MEHMET, KENTLİ AYKUT (2016). Comparison of Workpiece Geometry and Its Effects on ECAP Process By FEA. International Journal of Scientific Research Engineering & Technology, 5(12), 604-608. (Yayın No: 3258037)
6. ÖĞÜT SERKAN, KENTLİ AYKUT (2016). Numerically Investigating Effects of Channel Angle Friction and Ram Velocity on Strain Homogeneity in ECAP. International Journal of Scientific Research Engineering & Technology, 5(12), 594-597. (Yayın No: 3258167)
7. Dönmez Sinan, KENTLİ AYKUT (2016). Influence of injection molding parameters on electrical resistivity of carbon nanotube reinforced polycarbonate. Science and Engineering of Composite

## Uluslararası hakemli dergilerde yayımlanan makaleler:

Materials, 23(2), 135-144., Doi: 10.1515/secm-2013-0291 (Yayın No: 3257376)

8. IŞIK BİRHAN, KENTLİ AYKUT (2014). THE PREDICTION OF SURFACE TEMPERATURE IN DRILLING OF Ti6Al4V. ARCHIVES OF METALLURGY AND MATERIALS, 59(2), 467-471., Doi: 10.2478/amm-2014-0077 (Yayın No: 3917709)
9. KENTLİ AYKUT, ŞAHBAZ MEHMET (2014). Optimisation of Hydrostatic Thrust Bearing Using Sequential Quadratic Programming. Oxidation Communications, 4(37), 1144-1152. (Yayın No: 2392403)
10. DEMETGÜL MUSTAFA, YAZICIOĞLU OSMAN, KENTLİ AYKUT (2014). A Radial Basis and LVQ Neural Network Algorithm for Real Time Fault Diagnosis of Bottle Filling Plant. Technical Gazette, 21(4), 689-695. (Yayın No: 2392766)
11. KENTLİ AYKUT, Mercan Oğuz (2014). Application of Different Algorithms to Optimal Design of Canal Sections. Journal of Applied Research and Technology, 12(4), 762-768., Doi: 10.1016/S1665-6423(14)70092-6 (Yayın No: 3147731)
12. KENTLİ AYKUT, DAL VEDAT, ALKAYA ALİ FUAT (2013). Minimizing Machine Changeover Time In Product Line In An Apparel Industry. Tekstil ve Konfeksiyon, 23(2), 159-167. (Yayın No: 1318820)
13. KENTLİ AYKUT, UÇAK GÜÇLÜ (2013). Determining Selection Criteria and Their Importance of Press Lines in Automotive Industry. MARMARA UNIVERSITY JOURNAL OF SCIENCE, 25(2), 65-74., Doi: 10.7240/mufbed.v25i2.065 (Yayın No: 1318791)
14. BOZKURT YAHYA, KENTLİ AYKUT, UZUN HÜSEYİN, SALMAN SERDAR (2012). Experimental Investigation and Prediction of Mechanical Properties of Friction Stir Welded Aluminium Metal Matrix Composite Plates. Materials Science, 18(4), 336-340., Doi: 10.5755/j01.ms.18.4.3092 (Yayın No: 2392567)
15. AYKUT ŞEREF, KENTLİ AYKUT, GÜLMEZ SERVET (2012). Robust Multiobjective Optimization Of Cutting Parameters In Face Milling. Acta Polytechnica Hungarica, 9(4), 85-100. (Yayın No: 2393302)
16. EKİCİ BÜLENT, KENTLİ AYKUT, KÜÇÜK HALUK (2012). Improving Sound Absorption Property of Polyurethane Foams by Adding Tea Leaf Fibers. Archives of Acoustics, 37(4), 515-520., Doi: 10.2478/v10168-012-0052-1 (Yayın No: 2392850)
17. KENTLİ AYKUT, KAR ABDÜLKERİM (2011). A satisfaction function and distance measure based multi criteria robot selection procedure. International Journal of Production Research, 49(19), 5821-5832., Doi: 10.1080/00207543.2010.530623 (Yayın No: 2393056)
18. DÖNMEZ SİNAN, KENTLİ AYKUT (2011). Optimization of WEDM Process Parameters of TiAl Alloy Using SVM Method. Technics Technologies Education Management-TTEM, 6(4), 1225-1234. (Yayın No: 1318800)
19. KENTLİ AYKUT (2011). Experimental study on peck drilling of GFRP and prediction of drilling induced damage using ANN. Scientific Research and Essays, 6(7), 1546-1554. (Yayın No: 3282322)
20. BUĞUTEKİN ABDULCELİL, YILMAZ MUSTAFA, KENTLİ AYKUT, İSIKAN MUSTAFA OSMAN (2010). A mathematical model for condensation of bubbles injected through an orifice into subcooled water. ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART A-ENERGY SCIENCE AND RESEARCH, 24(2), 151-171. (Yayın No: 1095891)
21. IŞIK BİRHAN, KENTLİ AYKUT (2009). Multicriteria optimization of cutting parameters in turning of UD GFRP materials considering sensitivity. The International Journal of Advanced Manufacturing Technology, 44(11-12), 1144-1153., Doi: 10.1007/s00170-009-1927-9 (Yayın No: 2392955)
22. AYKUT ŞEREF, BAĞCI EYUP, KENTLİ AYKUT, YAZICIOĞLU OSMAN (2007). Experimental observation of tool wear cutting forces and chip morphology in face milling of cobalt based super alloy with physical vapour deposition coated and uncoated tool. Materials & Design, 28(6), 1880-1888., Doi: 10.1016/j.matdes.2006.04.014 (Yayın No: 2393158)

## B. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitaplarında (proceedings) basılan bildiriler :

1. ŞAHBAZ MEHMET, KENTLİ AYKUT, KAYA HASAN (2017). Investigating the Effects of the Corner Angle on the Equal Channel Angular Pressing Process. 3rd International Conference on Advances in Mechanical Engineering: ICAME 2017, 1(1), 826-832. (Tam Metin Bildiri/Sözlü Sunum)(Yayın No: 3906783)
2. ÖZBEYAZ KERİM, KAYA HASAN, KENTLİ AYKUT, ŞAHBAZ MEHMET, ÖĞÜT SERKAN (2017). Studies on Twist Equal Channel Angular Process in Recent Years. 4th International Conference on Computational and Experimental Science and Engineering (ICCESN 2017), 632-632. (Özet Bildiri/Sözlü Sunum)(Yayın No: 3893563)

3. ŞAHBAZ MEHMET,KAYA HASAN,KENTLİ AYKUT,UÇAR MEHMET,ÖĞÜT SERKAN,ÖZBEYAZ KERİM (2017). Analytical and Numerical Analysis Comparison of ECAP for Al5083 Alloy. 4th International Conference on Computational and Experimental Science and Engineering (ICCESEN 2017), 390-390. (Özet Bildiri/Sözlü Sunum)(Yayın No:3894674)
4. ÖĞÜT SERKAN,KAYA HASAN,KENTLİ AYKUT,ÖZBEYAZ KERİM,ŞAHBAZ MEHMET (2017). Investigation on Effects of ECAP on Microstructure, Hardness and Electrical Conductivity of Al 7075 Alloy", Serkan Öğüt, Hasan Kaya, Aykut Kentli, Kerim Özbeyaz, Mehmet Şahbaz,. 4th International Conference on Computational and Experimental Science and Engineering (ICCESEN 2017), 602-602. (Özet Bildiri/Sözlü Sunum)(Yayın No:3893302)
5. ÖZBEYAZ KERİM,KAYA HASAN,KENTLİ AYKUT,ŞAHBAZ MEHMET,ÖĞÜT SERKAN (2017). Mechanical Properties and Electrical Conductivity Performance of ECAP Processed Al2024 Alloy. 4th International Conference on Computational and Experimental Science and Engineering (ICCESEN 2017), 594-594. (Özet Bildiri/Sözlü Sunum)(Yayın No:3889980)
6. ŞAHBAZ MEHMET,KAYA HASAN,KENTLİ AYKUT,UÇAR MEHMET,ÖĞÜT SERKAN,ÖZBEYAZ KERİM (2017). An Experimental Comparison of Annealed ECAPed Al5083 Alloy. An Experimental Comparison of Annealed ECAPed Al5083 Alloy, 601-601. (Özet Bildiri/Sözlü Sunum)(Yayın No:3890725)
7. ÖĞÜT SERKAN,KAYA HASAN,KENTLİ AYKUT,ÖZBEYAZ KERİM,ŞAHBAZ MEHMET (2017). Numerically Investigation of Hardness Distribution in ECAP Processed Al 7075 Alloy. 4th International Conference on Computational and Experimental Science and Engineering (ICCESEN 2017) (Özet Bildiri/Sözlü Sunum)(Yayın No:3890215)
8. ÖZBEYAZ KERİM,KAYA HASAN,KENTLİ AYKUT (2017). EFFECTS of MESH, FRICTION COEFFICIENT and TEMPERATURE on FINITE ELEMENT ANALYSIS of ECAP. 2. ULUSLARARASI MÜHENDİSLİK MİMARLIK VE TASARIM KONGRESİ, 791-792. (Özet Bildiri/Sözlü Sunum)(Yayın No:3907198)
9. ÖĞÜT SERKAN,KENTLİ AYKUT (2016). Using a Hybrid Optimization System of SA ANN and AHP to Find Optimum Parameters on Drilling Process For CFRP. 16th International Materials Symposium, 1(1), 1794-1800. (Tam Metin Bildiri/Poster)(Yayın No:3259480)
10. ÖĞÜT SERKAN,KENTLİ AYKUT (2016). Optimization of EDM Process Using GA ANN and Data Fusion. 16th International Materials Symposium, 1(1), 1214-1220. (Tam Metin Bildiri/Poster)(Yayın No:3259323)
11. ŞAHBAZ MEHMET,KENTLİ AYKUT,Eren Ahmet,Bilik Cangül (2016). Material Selection for Insulation of Buildings by Multi Criteria Decision Making Methods. 2ND INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING, 1(1), 335-339. (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:3262575)
12. ŞAHBAZ MEHMET,KENTLİ AYKUT (2016). An Application of Analytical Hierarch Process on Numerical Analysis of Heat Transfer. 2ND INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING, 1(1), 331-334. (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:3260088)
13. ÖZBEYAZ KERİM,KENTLİ AYKUT (2016). Finding The Best Passenger Transport By Using MCDM Techniques. 1st International Conference on Engineering Technology and Applied Sciences, 1(1), 1688-1691. (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:3258709)
14. KENTLİ FEVZİ,KENTLİ AYKUT (2016). Experimental and Analytical Investigation on Effect of Stator Winding Type to Equivalent Circuit Parameters Of Induction Motors. CBU International Conference Innovations in Science and Education, 4, 820, Doi: 10.12955/cbup.v4.859 (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:3265411)
15. KENTLİ AYKUT,Akbaş Serhat (2016). Lathe Selection Using Analytic Hierarchy Process and Information Axiom. CBU INTERNATIONAL CONFERENCE ON INNOVATIONS IN SCIENCE AND EDUCATION, 4, 852-856., Doi: 10.12955/cbup.v4.864 (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:3262829)
16. ÖĞÜT SERKAN,KENTLİ AYKUT (2013). Using a Novel Methodology in Finding the Optimum Truss Structure. Numerical Computations: Theory and Algorithms, 105 (Özet Bildiri/Sözlü Sunum)(Yayın No:3300752)
17. KENTLİ AYKUT,Akbaş Serhat (2011). Machine Tool Selection Using AHP and Information Axiom. 1st International Symposium and 10th Balkan Conference on Operational Research, 1, 48-54. (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:3296363)
18. KENTLİ AYKUT,DEMİR SERMET,EKİCİ BÜLENT (2011). Design and shape optimization of a Turkish Tirkes bow. 1st International Symposium and 10th Balkan Conference on Operational Research, 2, 276-281. (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:3297196)
19. KENTLİ AYKUT,Uçak Güçlü (2011). AHP Applications on Machine Selection Problems. 1st International Symposium and 10th Balkan Conference on Operational Research, 1, 55-62. (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:3296160)
20. KENTLİ AYKUT,KENTLİ FEVZİ (2011). Analysis of influences of test items and learning styles on performance of engineering studentson the exam. 5th International Technology, Education and Development Conference, 352-358. (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:3300454)

21. KENTLİ AYKUT,KAR ABDÜLKERİM,TAÇGIN ERTURUL (2009). Kentli Aykut A Kerim Kar and E Taçgın Genetic coding application to synthesis of planar mechanisms 5th Int Adv Tech Symp IATS 09 2009. 5th International Advanced Technologies Symposium, 1610-1614. (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:3295616)
22. KENTLİ AYKUT,KAR ABDÜLKERİM (2009). Comparison of Techniques for Fuzzy Multi Objective Design Optimization. 5th International Advanced Technologies Symposium, 1604-1609. (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:3295799)

#### **D. Ulusal hakemli dergilerde yayımlanan makaleler :**

1. ŞAHBAZ MEHMET,ÖĞÜT SERKAN,KENTLİ AYKUT (2016). Cadde Tipi Led Armatürün Isı Yayıcısında SEY ve YSA Modeli Kullanılarak Sıcaklık Tahmini Yapılması. Marmara Fen Bilimleri Dergisi, 28(2), 59-65., Doi: 10.7240/mufbed.09519 (Kontrol No: 3265946)
2. KENTLİ AYKUT,ALKAYA ALİ FUAT (2009). Deterministic Approach to Path Optimization Problem. Ozean Journal of Applied Sciences, 2(2), 149-157., Atıf Sayısı: 7 (Kontrol No: 1095886)

#### **Diğer Yayınlar**

1. KENTLİ AYKUT (2011). Studies on Fuzzy Logic Control of Electrical Machines in Turkish Universities An Overview. Mathematical and Computational Applications, 16(4), 236-247., Doi: 10.3390/mca16010236 (Uluslararası) (Hakemli) (MAKALE Derleme Makale) (Yayın No: 3295264)
2. KENTLİ AYKUT (2011). Studies on fuzzy decision making in Turkish Universities An overview. Marmara Üniversitesi Fen Bilimleri Dergisi, 23(4), 140-159. (Ulusal) (Hakemli) (MAKALE Derleme Makale) (Yayın No: 3147375)

#### **Teknik Not, Vaka Takdimi, Araştırma notu vb.**

1. Derleme Makale, KENTLİ AYKUT (2011). Studies on Fuzzy Logic Control of Electrical Machines in Turkish Universities An Overview. Mathematical and Computational Applications, 16(4), 236-247., Doi: 10.3390/mca16010236 (Yayın No: 3295264)
2. Derleme Makale, KENTLİ AYKUT (2011). Studies on fuzzy decision making in Turkish Universities An overview. Marmara Üniversitesi Fen Bilimleri Dergisi, 23(4), 140-159. (Yayın No: 3147375)

#### **Üniversite Dışı Deneyim**

2012-2012 **Misafir Öğretim Üyesi** Michigan Üniversitesi, YOK Burusu yardımıyla 3 aylığına araştırma merkezinde çalıştım, (Diğer)