

Res. Asst. PhD SERKAN ÖĞÜT

Personal Information

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Biography

1987 yılında Gebze'de doğmuştur. 2005 yılında Gebze Lisesi'nden mezun olmuş ve aynı sene İstanbul Üniversitesi Makine Mühendisliği Bölümü'nü kazanmıştır. 2009 yılında mezun olduktan sonra 2010 yılında Gebze Teknik Üniversitesi'nde araştırma görevlisi olarak işe başlamıştır. Burada 2 yıl çalıştıktan sonra, 2012 yılında Marmara Üniversitesi Mühendislik Fakültesi Makine Mühendisliği Bölümü Konstrüksiyon ve İmalat Anabilim Dalı'nda araştırma görevlisi kadrosuna girmiştir. 2012 yılında Marmara Üniversitesi Makine Mühendisliği Bölümü'nde başladığı yüksek lisans eğitimini 2014 yılında tamamlamıştır. 2014 yılında başladığı doktora eğitimine ise yine Marmara Üniversitesi Makine Mühendisliği Bölümü'nde devam etmektedir. Sonlu elemanlar analizi, yapay zeka uygulamaları ve aşırı plastik deformasyon yöntemleri konularında çalışmalarını sürdürmektedir.

Education Information

Doctorate, Marmara University, Institute For Graduate Studies İn Pure And Applied Sciences, Department Of Mechanical Engineering (Eng), Turkey 2014 - 2021

Postgraduate, Marmara University, Faculty Of Engineering, Mechanical Engineering, Turkey 2012 - 2014

Undergraduate, Istanbul University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Turkey 2005 - 2009

Foreign Languages

English, C1 Advanced

Dissertations

Postgraduate, Optimization of Space Bar Structures Using Hybrid Model of Artificial Neural Network And Simulated Annealing, Marmara Üniversitesi, Faculty of Engineering, Makine Mühendisliği Bölümü, 2014

Research Areas

Computer Aided Design and Manufacturing, Non-traditional manufacturing methods, Material, Plastic Forming Methods

Academic Titles / Tasks

Research Assistant PhD, Marmara University, Faculty Of Engineering, Mechanical Engineering, 2012 - Continues

Research Assistant, Gebze Technical University, Faculty Of Engineering, Department Of Mechanical Engineering, 2010 - 2012

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Comparison of the Effect of Equal Channel Angular Pressing, Expansion Equal Channel Angular Pressing, and Hybrid Equal Channel Angular Pressing on Mechanical Properties of AZ31 Mg Alloy**
ÖĞÜT S., KAYA H., KENTLİ A.
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, 2021 (Journal Indexed in SCI)
- II. **Applying hybrid equal channel angular pressing (HECAP) to pure copper using optimized Exp.-ECAP die**
ÖĞÜT S., KAYA H., KENTLİ A., UÇAR M.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.116, pp.3859-3876, 2021 (Journal Indexed in SCI)
- III. **INVESTIGATION OF STRAIN INHOMOGENEITY IN HEXA-ECAP PROCESSED AA7075**
ÖĞÜT S., KAYA H., KENTLİ A., ÖZBEYAZ K., SAHBAZ M., UÇAR M.
ARCHIVES OF METALLURGY AND MATERIALS, vol.66, no.2, pp.431-436, 2021 (Journal Indexed in SCI)
- IV. **Mechanical properties and electrical conductivity performance of ECAP processed AA2024 alloy**
ÖZBEYAZ K., KAYA H., KENTLİ A., SAHBAZ M., ÖĞÜT S.
INDIAN JOURNAL OF CHEMICAL TECHNOLOGY, vol.26, no.3, pp.266-269, 2019 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Analytical and Numerical Analysis Comparison of Equal Channel Angular Pressing for Al5083 Alloy**
ŞAHBAZ M., KAYA H., KENTLİ A., UÇAR M., ÖĞÜT S., ÖZBEYAZ K.
Advanced Science, Engineering and Medicine, vol.11, no.11, pp.1100-1103, 2019 (Refereed Journals of Other Institutions)
- II. **Experimental Comparison of Al5083 Alloy Subjected to Annealing and Equal-Channel Angular Pressing**
ŞAHBAZ M., KAYA H., KENTLİ A., UÇAR M., ÖĞÜT S., ÖZBEYAZ K.
International Journal of Computational and Experimental Science, vol.5, no.1, pp.52-55, 2019 (Refereed Journals of Other Institutions)
- III. **Numerically Investigating Effects of Channel Angle Friction and Ram Velocity on Strain Homogeneity in ECAP**
ÖĞÜT S., KENTLİ A.
International Journal of Scientific Research Engineering & Technology, vol.5, no.12, pp.594-597, 2016 (Refereed Journals of Other Institutions)
- IV. **Cadde Tipi Led Armatürün Isı Yayıcısında SEY ve YSA Modeli Kullanılarak Sıcaklık Tahmini Yapılması**
ŞAHBAZ M., ÖĞÜT S., KENTLİ A.
Marmara Fen Bilimleri Dergisi, vol.28, no.2, pp.59-65, 2016 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- I. **Hekza-Ekap prosesine tabi tutulmuş saf bakırda gerinim dağılımının incelenmesi**
ÖĞÜT S., KAYA H., KENTLİ A.
IMASCON, Uluslararası Marmara, Fen ve Sosyal Bilimler Kongresi, Kocaeli, Türkiye, 26 - 28 April 2019
- II. **OPTIMIZATION OF COOLING PERFORMANCE OF A MICRO HEAT EXCHANGER USING ARTIFICIAL NEURAL NETWORK**
YANGAZ M. U. , ŞENER R., ÖĞÜT S.
3rd CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2017- ICAME2017, İstanbul, Turkey, 19 - 21 December 2017
- III. **Mechanical Properties and Electrical Conductivity Performance of ECAP Processed Al2024 Alloy**

ÖZBEYAZ K., KAYA H., KENTLİ A., ŞAHBAZ M., ÖĞÜT S.

4th International Conference on Computational and Experimental Science and Engineering (ICCESEN 2017), Antalya, Turkey, 4 - 08 October 2017, pp.594

- IV. **Numerically Investigation of Hardness Distribution in ECAE Processed Al 7075 Alloy**
ÖĞÜT S., KAYA H., KENTLİ A., ÖZBEYAZ K., ŞAHBAZ M.
4th International Conference on Computational and Experimental Science and Engineering (ICCESEN 2017), Antalya, Turkey, 4 - 08 October 2017
- V. **An Experimental Comparison of Annealed ECAPed Al5083 Alloy**
ŞAHBAZ M., KAYA H., KENTLİ A., UÇAR M., ÖĞÜT S., ÖZBEYAZ K.
An Experimental Comparison of Annealed ECAPed Al5083 Alloy, Antalya, Turkey, 4 - 08 October 2017, pp.601
- VI. **Analytical and Numerical Analysis Comparison of ECAP for Al5083 Alloy**
ŞAHBAZ M., KAYA H., KENTLİ A., UÇAR M., ÖĞÜT S., ÖZBEYAZ K.
4th International Conference on Computational and Experimental Science and Engineering (ICCESEN 2017), Antalya, Turkey, 4 - 08 October 2017, pp.390
- VII. **Studies on Twist Equal Channel Angular Process in Recent Years**
ÖZBEYAZ K., KAYA H., KENTLİ A., ŞAHBAZ M., ÖĞÜT S.
4th International Conference on Computational and Experimental Science and Engineering (ICCESEN 2017), Antalya, Turkey, 4 - 08 October 2017, pp.632
- VIII. **Investigation on Effects of ECAE on Microstructure, Hardness and Electrical Conductivity of Al 7075 Alloy”, Serkan Öğüt, Hasan Kaya, Aykut Kentli, Kerim Özbeyaz, Mehmet Şahbaz,**
ÖĞÜT S., KAYA H., KENTLİ A., ÖZBEYAZ K., ŞAHBAZ M.
4th International Conference on Computational and Experimental Science and Engineering (ICCESEN 2017), Antalya, Turkey, 4 - 08 October 2017, pp.602
- IX. **Investigation on Effects of ECAE on Microstructure, Hardness and Electrical Conductivity of Al 7075 Alloy**
ÖĞÜT S., KAYA H., KENTLİ A., ÖZBEYAZ K., ŞAHBAZ M.
4th International Conference on Computational and Experimental Science and Engineering, Antalya, Turkey, 4 - 08 October 2017, pp.602
- X. **Optimization of EDM Process Using GA ANN and Data Fusion**
ÖĞÜT S., KENTLİ A.
16th International Materials Symposium, 12 - 14 October 2016, vol.1, pp.1214-1220
- XI. **Using a Hybrid Optimization System of SA ANN and AHP to Find Optimum Parameters on Drilling Process For CFRP**
ÖĞÜT S., KENTLİ A.
16th International Materials Symposium, 12 - 14 October 2016, vol.1, pp.1794-1800
- XII. **Using Novel Methodology in Finding Optimum Truss Structure**
ÖĞÜT S., KENTLİ A.
Numerical Computations: Theory and Algorithms, Italy, 17 - 23 June 2013
- XIII. **Using a Novel Methodology in Finding the Optimum Truss Structure**
ÖĞÜT S., KENTLİ A.
Numerical Computations: Theory and Algorithms, 17 - 23 June 2013, pp.105

Citations

Total Citations (WOS):8

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