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Education Information

Doctorate, Gazi University, Mühendislik Fakültesi, Makina Mühendisliği, Turkey 2019 - Continues
Postgraduate, Batman University, Faculty Of Engıneerıng-Archıtecture, Department Of Mechanıcal Engıneerıng, Turkey 2015 - 2018
Undergraduate, Bursa Uludağ University, Mühendislik Fakültesi, Makina Mühendisliği, Turkey 2011 - 2015

Dissertations

Postgraduate, EFFECTS OF MINIMUM QUANTITY LUBRICATION (MQL) USAGE ON MACHINABILITY IN TURNING OF AISI 4140 MATERIAL, Batman University, Faculty Of Engıneerıng-Archıtecture, Department Of Mechanıcal Engıneerıng, 2018

Research Areas

Mechanical Engineering

Academic Titles / Tasks

Research Assistant, Gazi University, Mühendislik Fakültesi, Makina Mühendisliği, 2019 - Continues
Research Assistant, Siirt University, Faculty Of Engıneerıng-Archıtecture, Department Of Mechanıcal Engıneerıng, 2017 - 2019

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Effect of using a ZnO-TiO2/water hybrid nanofluid on heat transfer performance and pressure drop in a flat tube with louvered finned heat exchanger**
Elibol E. A., GÖNÜLAÇAR Y. E., AKTAŞ F., Tigli B.
Journal of Thermal Analysis and Calorimetry, vol.149, no.15, pp.8665-8680, 2024 (SCI-Expanded)

II. **Investigation of the effect of operating parameters on Nernst voltage in hydrogen-oxygen fuel cells**
Bilgili M., Gönülaçar Y. E.
ISI BILIMI VE TEKNIGI DERGISI/ JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, vol.44, no.1, pp.59-69, 2024 (SCI-Expanded)

III. **Experimental and statistical investigation of the effects of MQL, dry and wet machining on machinability and sustainability in turning of AISI 4140 steel**

Gürbüz H., Gönülaçar Y. E.
Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, vol.236, no.5, pp.1808-1823, 2022 (SCI-Expanded)

IV. **Optimization and evaluation of dry and minimum quantity lubricating methods on machinability of AISI 4140 using Taguchi design and ANOVA**
Gurbuz H., Emre Gonulacar Y. E.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, vol.235, no.7, pp.1211-1227, 2021 (SCI-Expanded)

V. **Effect of MQL flow rate on machinability of AISI 4140 steel**
Gurbuz H., Gonulacar Y. E., Baday S.
MACHINING SCIENCE AND TECHNOLOGY, vol.24, no.5, pp.663-687, 2020 (SCI-Expanded)

Articles Published in Other Journals

I. **Analysis of Experimental Values Obtained at Different Cutting Parameters and MQL Flows with S/N Ratios and ANN**
GÜRBÜZ H., Gönülaçar Y. E.
Politeknik Dergisi, vol.24, no.3, pp.1093-1107, 2021 (ESCI)

II. **INVESTIGATION OF EFFECTS OF DIFFERENT CUTTING AND MACHINING PARAMETERS ON SURFACE ROUGHNESS AND MAIN CUTTING FORCES VIA RESPONSE SURFACE METHOD**
GÜRBÜZ H., Gönülaçar Y. E.
European Journal of Technique, vol.10, no.2, pp.431-443, 2020 (Peer-Reviewed Journal)

III. **Investigation Of The Effect Of Minimum Quantity Lubrication On Milling Processes:Review**
Gürbüz H., Baday Ş., Gönülaçar Y. E.
Batman Üniversitesi Yaşam Bilimleri Dergisi, vol.7, no.2, pp.59-79, 2017 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **An Experimental Study for Drying Process of the Leaves of Dragun arum(Dranculus) Plant**
Gönülaçar Y. E., Balbay A.
6th International GAP Engineering Conference, Şanlıurfa, Turkey, 23 - 25 October 2018, pp.498-501

II. **Design of a PID Digital Controlled Convective Type Drying System**
Balbay A., Gönülaçar Y. E., Saka C., Selvitepe N.
8th International Advanced Technologies Symposium (IATS'17), Elazığ, Turkey, 19 - 22 October 2017, pp.1129-1134

Supported Projects

Gürbüz H., Gönülaçar Y. E., Project Supported by Higher Education Institutions, AISI 4140 MALZEMESİNİN TORNALANMASINDA MİNİMUM MİKTARDA YAĞLAMA (MQL) KULLANIMININ İŞLENEBİLİRLİK ÜZERİNE ETKİSİ, 2017 - 2018

Metrics

Publication: 10
Citation (WoS): 7
Citation (Scopus): 42
H-Index (WoS): 2

H-Index (Scopus): 3