

## Lect. YAVUZ ZÜMRÜT

### Personal Information

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### Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (YI) (Tezli), Turkey 1993 - 2002

Post Graduate, Middle East Technical University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (YI) (Tezli), Turkey 1989 - 1993

Under Graduate, Middle East Technical University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Turkey 1985 - 1989

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Zaman tanım bölgesinde güncel tasarım şartı gruplarını sağlayan üçüncü mertebe modellerin belirlenmesi ve uygulanması üzerine, Gazi University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (YI) (Tezli), 2002

Post Graduate, Optimization of cutting conditions for multi-pass turning and single-pass milling operations, Middle East Technical University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (YI) (Tezli), 1993

### Academic Titles / Tasks

Lecturer PhD, Gazi University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2011 - Continues

Research Assistant, Gazi University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2010 - 2011

Research Assistant, Gazi University, Mühendislik-Mimarlık Fakültesi, 1989 - 2010

### Advising Theses

ZÜMRÜT Y., Dönü kararlı hafif kalibre mermiler için balistik katsayıların deneysel olarak hesaplanması ve doğrulanması, Post Graduate, İ.MERT(Student), 2019

ZÜMRÜT Y., Experimental Calculation And Verification For The Ballistic Coefficients Of Small Caliber Spin Stabilized Projectiles, İ.Mert(Student), 2019

ZÜMRÜT Y., Experimental investigation of machining performance in fast hole drilling of super alloys by electrical discharge machining, Post Graduate, R.KÖROĞLU(Student), 2017

ZÜMRÜT Y., Numerical and experimental analysis of composite wing spars having different cross sections, used in aerospace, Post Graduate, M.CAN(Student), 2014

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

- I. **Analysis of thrust force in drilling B4C-reinforced aluminium alloy using genetic learning algorithm**  
TAŞKESEN A., ALDAŞ K., Ozkul I., Kutukde K., ZÜMRÜT Y.  
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.75, pp.237-245, 2014 (Journal Indexed in SCI)

### **Articles Published in Other Journals**

- I. **Finite Element Analysis to Predict Thrust Force and Torque in Drilling of Aged and Annealed Inconel 718**  
HUSSEIN M. B. , ZÜMRÜT Y.  
Gazi University Journal of Science Part A: Engineering and Innovation, vol.7, no.1, pp.1-10, 2020 (Refereed Journals of Other Institutions)

### **Refereed Congress / Symposium Publications in Proceedings**

- I. **Modelling for Prediction of cutting forces and surface roughness in drilling magnesium alloy**  
TAŞKESEN A., KAYIR Y., ZÜMRÜT Y.  
21st International Scientific Conference, Mechanika 2016, Kaunas, Lithuania, 12 - 13 May 2016, vol.1, pp.265-271

### **Citations**

Total Citations (WOS):6

h-index (WOS):1