

## Prof. MEHMET KUL

### Personal Information

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### Education Information

Doctorate, Middle East Technical University, Faculty Of Engineering, Department Of Metallurgical And Materials Engineering, Turkey 1997 - 2003

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Metalurji Ve Malzeme Mühendisliği (YI) (Tezli), Turkey 1995 - 1997

Undergraduate, Middle East Technical University, Faculty Of Engineering, Department Of Metallurgical And Materials Engineering, Turkey 1988 - 1995

### Dissertations

Doctorate, Hydrometallurgical treatment of Beylikahır rare earth preconcentrate, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, 2003

Postgraduate, Germanium extraction from copper cake, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği (YI) (Tezli), 1997

### Academic Titles / Tasks

Associate Professor, Sivas Cumhuriyet University, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, 2011 - Continues

Assistant Professor, Sivas Cumhuriyet University, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, 2004 - 2011

Research Assistant, Middle East Technical University, Faculty Of Engineering, Department Of Metallurgical And Materials Engineering, 1998 - 2003

### Academic and Administrative Experience

Sivas Cumhuriyet Üniversitesi, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, 2009 - Continues

Sivas Cumhuriyet Üniversitesi, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, 2012 - 2013

### Courses

#### Doctorate

Uzmanlık Alan Dersi, Doctorate, 2018 - 2019

Seminer Dersi, Doctorate, 2018 - 2019

#### Postgraduate

Uzmanlık Alan Dersi, Postgraduate, 2019 - 2020

Malzemelerin Termodinamiği, Postgraduate, 2018 - 2019  
İleri Döküm Teknolojisi, Postgraduate, 2018 - 2019  
Seminer Dersi, Postgraduate, 2018 - 2019  
Ferro-Alaşımın Üretimi, Postgraduate, 2017 - 2018  
Metalurji Kinetiği, Postgraduate, 2017 - 2018  
Ferro Alaşımın Üretimi, Postgraduate, 2016 - 2017  
İleri Döküm Teknolojisi, Postgraduate, 2016 - 2017  
Malzemelerin Termodinamiği, Postgraduate, 2016 - 2017  
Kinetik, Postgraduate, 2016 - 2017

### **Undergraduate**

Demir - Çelik Teknolojisi, Undergraduate, 2018 - 2019  
Metalurji Termodinamiği II, Undergraduate, 2017 - 2018  
Demir - Çelik Üretimi, Undergraduate, 2018 - 2019  
Demirdışı Metallerin Üretimi, Undergraduate, 2017 - 2018  
Demirdışı Metallerin Üretimi, Undergraduate, 2017 - 2018  
Metalurji Termodinamiği I, Undergraduate, 2018 - 2019  
Metalurji Termodinamiği II, Undergraduate, 2017 - 2018  
Metalurji Termodinamiği I, Undergraduate, 2018 - 2019  
Demir - Çelik Üretimi, Undergraduate, 2018 - 2019  
Metalurji Termodinamiği I, Undergraduate, 2016 - 2017  
Bitirme Ödevi, Undergraduate, 2017 - 2018  
Demir Dışı Malzeme Üretimi, Undergraduate, 2016 - 2017  
Metalurji Termodinamiği II, Undergraduate, 2016 - 2017  
Demir-Çelik Üretimi, Undergraduate, 2016 - 2017  
Metalurji Mühendisliği Projesi II, Undergraduate, 2016 - 2017  
Bitirme Ödevi, Undergraduate, 2017 - 2018  
Demir dışı metallerin üretimi, Undergraduate, 2016 - 2017  
Demir - Çelik Üretimi, Undergraduate, 2012 - 2013  
Üretim Metalurjisi Prensipleri, Undergraduate, 2012 - 2013  
Üretim Metalurjisi Laboratuvarı I, Undergraduate, 2011 - 2012  
Üretim Metalurjisi Laboratuvarı, Undergraduate, 2011 - 2012  
Metalurji Mühendisliği Projesi I, Undergraduate, 2012 - 2013  
Döküm Teknolojisi, Undergraduate, 2011 - 2012  
Üretim Metalurjisi Laboratuvarı, Undergraduate, 2011 - 2012  
Üretim Metalurjisi Prensipleri, Undergraduate, 2011 - 2012  
Metalurji Ve Malzeme Müh. Giriş, Undergraduate, 2011 - 2012  
Döküm Prensipleri, Undergraduate, 2010 - 2011  
Döküm Prensipleri, Undergraduate, 2011 - 2012  
Metalurji Ve Malzeme Müh. Giriş, Undergraduate, 2011 - 2012  
Döküm Teknolojisi, Undergraduate, 2011 - 2012  
Üretim Metalurjisi Prensipleri II, Undergraduate, 2009 - 2010  
Faz Diyagramları, Undergraduate, 2008 - 2009  
Malzeme Bilimi II, Undergraduate, 2006 - 2007  
Malzeme Bilimi I, Undergraduate, 2006 - 2007  
Taşınım Olayları, Undergraduate, 2006 - 2007  
Taşınım Olayları, Undergraduate, 2004 - 2005  
Faz Diyagramları, Undergraduate, 2004 - 2005  
Mühendislik Ekonomisi, Undergraduate, 2004 - 2005

## Supervised Theses

KUL M., Organik yağlı germanyum talaşından germanyumun geri kazanımı, Postgraduate, K.ÜNLÜSES(Student), 2017  
KUL M., Sulu çözeltilerden hollow fiber membranlar ile metal kazanımı, Postgraduate, K.OĞUZ(Student), 2013

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Electrical and mechanical properties of reduced graphene oxide/CuCrZr composites**  
Kul M., Kurt N., Yartasi E., Erden F.  
Canadian Metallurgical Quarterly, vol.63, no.3, pp.712-722, 2024 (SCI-Expanded)
- II. **Efficient Zinc Removal from Blast Furnace Sludge Using Choline Chloride–Malonic Acid: Towards Sustainable Recycling of Iron Extraction Waste**  
Kul M., OSKAY K. O., Doğan M., ASLAN N.  
JOM, vol.75, no.9, pp.3882-3889, 2023 (SCI-Expanded)
- III. **A Novel and Eco-friendly Approach for the Simultaneous Recovery of Copper and Diamond from Waste Cutting Segments via Electrodissolution/Deposition**  
Kul M., Erden F., OSKAY K. O., Karasungur O., ŞİMŞİR M., Kumruoglu L. C., KARAKAYA İ.  
JOURNAL OF SUSTAINABLE METALLURGY, vol.7, no.3, pp.1224-1240, 2021 (SCI-Expanded)
- IV. **Optimisation of recycled moulding sand composition using the mixture design method**  
Kul M., Akgul B., Koskay K. O., Alsan A. E., Karaca B.  
International Journal of Cast Metals Research, vol.34, no.2, pp.104-109, 2021 (SCI-Expanded)
- V. **Optimization of selective leaching of Zn from electric arc furnace steelmaking dust using response surface methodology**  
Kul M., Oskay K. O., Şimşir M., Subutay H., Kirgezen H.  
TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA, vol.25, pp.2753-2762, 2015 (SCI-Expanded)
- VI. **Separation and recovery of valuable metals from real mix electroplating wastewater by solvent extraction**  
KUL M., OSKAY K. O.  
HYDROMETALLURGY, vol.155, pp.153-160, 2015 (SCI-Expanded)
- VII. **Optimizing the recovery of copper from electroplating rinse bath solution by hollow fiber membrane**  
Oskay K. O., Kul M.  
WATER SCIENCE AND TECHNOLOGY, vol.72, pp.52-62, 2015 (SCI-Expanded)
- VIII. **Recovery of Nickel by Solvent Extraction from Electroplating Rinse Bath Solution**  
KUL M., Cetinkaya U.  
SOLVENT EXTRACTION AND ION EXCHANGE, vol.28, no.2, pp.225-243, 2010 (SCI-Expanded)
- IX. **Recovery of copper by LIX 984N-C from electroplating rinse bath solution**  
KUL M., Cetinkaya U.  
HYDROMETALLURGY, vol.98, pp.86-91, 2009 (SCI-Expanded)
- X. **Recovery of Zinc by LIX 984N-C from Electroplating Rinse Bath Solution**  
KUL M., Cetinkaya U.  
SOLVENT EXTRACTION AND ION EXCHANGE, vol.27, no.4, pp.536-550, 2009 (SCI-Expanded)

## Papers Published in Refereed Scientific Meetings

- I. **Characterization of CrN Coating on DIN1.2379 and DIN 1.2842 Cold Work Tool Steels By Physical Vapor Deposition**  
Korkmaz S., ŞİMŞİR M., KUL M.  
IMSTEC 2017, 11 - 13 October 2017
- II. **Characterization of CRN Coating on DIN 1.2379 and DIN 1.2842 Cold Work Tool Steels by Physical Vapor Deposition**  
KORKMAZ S., ŞİMŞİR M., KUL M.

IMSTEC 2017, 11 - 13 October 2017

**III. An Electrochemical Procedure to Form Metal Powders from Recycled Hard Particle Embedded Composite Cutting Tools**

Altunbasak T., KUL M., KARAKAYA İ.

Symposium on Plasma Nano Science and Technology held during the 231st Meeting of the Electrochemical-Society (ECS), Louisiana, United States Of America, 28 May - 01 June 2017, vol.77, pp.1035-1041

**IV. EFFECTS OF BORONIZING COMPOSITION ON GGG 60 CAM SHAFT**

Temizkan A., Kul M., Oskay K. O., Karaca B., Topçu B.

INTERNATIONAL SYMPOSIUM ON SELF-PROPAGATING HIGH TEMPERATURE SYNTHESIS, Antalya, Turkey, 12 - 15 October 2015, pp.202

**V. Effects of Boronizing Composition on AISI 8620 Steel Cam Shaft**

ŞABAN G., KUL M., OSKAY K. O., KARACA B., OZAYDIN F., BOLAT O., BABATUTMAZ A. E.

INTERNATIONAL SYMPOSIUM ON SELF PROPAGATING HIGH TEMPERATURE SYNTHESIS, 12 - 15 October 2015

**VI. EFFECTS OF BORONIZING COMPOSITION ON AISI1045 STEEL CAM SHAFT**

GEZER Ş., KUL M., OSKAY K. O., KARACA B., ÖZAYDIN F., BOLAT O., AHMET EMRE B.

INTERNATIONAL SYMPOSIUM ON SELF-PROPAGATING HIGH TEMPERATURE SYNTHESIS, 12 - 15 October 2015

**VII. AISI 4140 ve DIN 100Cr6 Çeliklerine Fiziksel Buhar Biriktirme Yöntemi Kullanılarak Yapılmış CrN Kaplamanın Karakterizasyonu**

ŞİMŞİR M., KUL M., Kara M., Çil G., Volkan H.

1.Uluslararası Yüzey İşlemleri Sempozyumu, 15 - 18 June 2011, pp.736-745

## **Metrics**

Publication: 18

Citation (WoS): 117

Citation (Scopus): 31

H-Index (WoS): 4

H-Index (Scopus): 3