

## Res. Asst. İsmail AĞCASULU

### Personal Information

**Office Phone:** [+90 246 211 1298](tel:+902462111298)

**Email:** [ismailagcasulu@sdu.edu.tr](mailto:ismailagcasulu@sdu.edu.tr)

**Web:** <https://avesis.sdu.edu.tr/ismailagcasulu>

**Address:** Süleyman Demirel Üniversitesi Mühendislik Fakültesi Maden Mühendisliği Bölümü Çünür ISPARTA 32260

### Education Information

Postgraduate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Maden Mühendisliği, Turkey Continues

Undergraduate, Suleyman Demirel University, Mühendislik-Mimarlık Fakültesi, Maden Mühendisliği, Turkey Continues

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Postgraduate, Endüstriyel bir yakma fırınının alt külünden ve filtre kekinden kimyasal kazanım yöntemiyle metalik değerlerin eldesi, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Maden Mühendisliği, 2014

### Research Areas

Mining Engineering and Technology, Ore-Dressing, Communiton-Sizing-Classification, Benefication by Gravity, Dense-Medium, Magnetic and Electrostatic, Process and Plant Design, Chemical-Biological Winning Techniques and Mineral Processing, Engineering and Technology

### Academic Titles / Tasks

Research Assistant, Suleyman Demirel University, Mühendislik Fakültesi, Maden Mühendisliği, 2011 - Continues

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

- I. **A Review on Chemical versus Microbial Leaching of Electronic Wastes with Emphasis on Base Metals Dissolution**  
MISHRA S., PANDA S., Akcil A., Dembele S., AĞCASULU İ.  
MINERALS, vol.11, no.11, 2021 (Journal Indexed in SCI)
- II. **Valorization of waste LCD and recovery of critical raw material for circular economy: A review**  
Akçil A. U., AĞCASULU İ., SWAIN B.  
Resources, Conservation and Recycling, vol.149, pp.622-637, 2019 (Journal Indexed in SCI)
- III. **Laboratory and Semipilot Bioreactor Feasibility Tests for Desulphurization of Turkish Lignite using Leptospirillum ferriphilum**

MISHRA S., Akcil A. U. , PANDA S., AĞCASULU İ.

ENERGY & FUELS, vol.32, no.3, pp.2869-2877, 2018 (Journal Indexed in SCI)

**IV. Metal Recovery from Bottom Ash of an Incineration Plant: Laboratory Reactor Tests**

AĞCASULU İ., Akcil A.

MINERAL PROCESSING AND EXTRACTIVE METALLURGY REVIEW, vol.38, no.3, pp.199-206, 2017 (Journal Indexed in SCI)

## Articles Published in Other Journals

**I. Otomotiv Geri Dönüşümünde Kritik Hammaddeler**

AKÇİL A. U. , AĞCASULU İ., Dar G.

Recycling Industry, no.119, pp.38-47, 2017 (Other Refereed National Journals)

**II. Kritik Metal İndiyum ve Atık LCD Monitörlerden Kazanımı**

AKÇİL A. U. , AĞCASULU İ.

Recycling Industry, no.92, pp.54-59, 2015 (Other Refereed National Journals)

## Refereed Congress / Symposium Publications in Proceedings

**I. BIODESULPHURIZATION ABILITIES OF ACIDOPHILIC STRAIN TOWARDS SULPHUR REMOVAL FROM TURKISH LIGNITE IN THE PRESENCE OF CHEMICAL SURFACTANT**

MISHRA S., AKÇİL A. U. , PANDA S., TUNCUK A., ERUST C., AĞCASULU İ.

15th International Mineral Processing Symposium, İstanbul, Turkey, 19 - 21 October 2016, pp.916-924

## Supported Projects

AĞCASULU İ., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Endüstriyel Hammaddeler ve İleri Teknoloji Ürünleri (EHİTÜ) Ar-Ge Laboratuvarı Altyapı Projesi (Göller Bölgesi Yenilikçi Teknolojiler Merkezi Altyapı Projesine entegre), 2011 - 2015

## Activities in Scientific Journals

Journal of Engineering Sciences and Design, Assistant Editor, 2015 - Continues

## Memberships / Tasks in Scientific Organizations

TMMOB Maden Mühendisleri Odası, Member, 2009 - Continues

## Scientific Research / Working Group Memberships

Mineral Metal Geri Kazanım Geri Dönüşüm Araştırma Grubu, SÜLEYMAN DEMİREL ÜNİVERSİTESİ, Turkey, www.criticalrawmaterials.org, 2011 - Continues

## Edit Congress and Symposium Activities

16th International Symposium on Environmental Issues and Waste Management in Energy and Mineral Production, Attendee, İstanbul, Turkey, 2016

15th International Mineral Processing Symposium, Attendee, Turkey, 2016

## Citations

Total Citations (WOS):14

h-index (WOS):2