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### Araştırma Alanları

Cevher Hazırlama, Kimyasal-Biyolojik Kazanma Teknikleri ve Cevher Hazırlama

### Akademik Unvanlar / Görevler

Dr.Öğr.Üyesi, Süleyman Demirel Üniversitesi, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2020 - Devam Ediyor

### SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Biotechnological Avenues in Mineral Processing: Fundamentals, Applications and Advances in Bioleaching and Bio-beneficiation**  
MISHRA S., PANDA S., Akcil A., Dembele S.  
MINERAL PROCESSING AND EXTRACTIVE METALLURGY REVIEW, 2022 (SCI İndekslerine Giren Dergi)
- II. **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, cilt.11, sa.11, 2021 (SCI İndekslerine Giren Dergi)
- III. **Biotechnological trends and market impact on the recovery of rare earth elements from bauxite residue (red mud) - A review**  
PANDA S., Costa R. B. , Shah S. S. , MISHRA S., Bevilaqua D., Akcil A.  
RESOURCES CONSERVATION AND RECYCLING, cilt.171, 2021 (SCI İndekslerine Giren Dergi)
- IV. **Microalgal potential for nutrient-energy-wastewater nexus: Innovations, current trends and future directions**  
PANDA S., MISHRA S., Akcil A., KÜÇÜKER M. A.  
ENERGY & ENVIRONMENT, 2020 (SSCI İndekslerine Giren Dergi)
- V. **Effect of Span-80 and ultrasonication on biodesulphurization of lignite by Rhodococcus erythropolis: Lab to semi-pilot scale tests**  
MISHRA S., Akcil A. U. , PANDA S., TUNCUK A.  
MINERALS ENGINEERING, cilt.119, ss.183-190, 2018 (SCI İndekslerine Giren Dergi)
- VI. **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, cilt.32, sa.3, ss.2869-2877, 2018 (SCI İndekslerine Giren Dergi)
- VII. **Biodesulphurization of Turkish lignite by Leptospirillum ferriphilum: Effect of ferrous iron, Span-80 and ultrasonication**  
MISHRA S., Akcil A., PANDA S., Ernst C.  
HYDROMETALLURGY, cilt.176, ss.166-175, 2018 (SCI İndekslerine Giren Dergi)

- VIII. **A novel bioreactor system for simultaneous mutli-metal leaching from industrial pyrite ash: Effect of agitation and sulphur dosage**  
PANDA S., Akcil A., MISHRA S., ERUST C.  
JOURNAL OF HAZARDOUS MATERIALS, cilt.342, ss.454-463, 2018 (SCI İndekslerine Giren Dergi)
- IX. **Synergistic effect of biogenic Fe<sup>3+</sup> coupled to S degrees oxidation on simultaneous bioleaching of Cu, Co, Zn and As from hazardous Pyrite Ash Waste**  
PANDA S., Akcil A. U. , MISHRA S., ERUST C.  
JOURNAL OF HAZARDOUS MATERIALS, cilt.325, ss.59-70, 2017 (SCI İndekslerine Giren Dergi)
- X. **Biodegradation of dibenzothiophene and its application in the production of clean coal**  
MISHRA S., PRADHAN N., PANDA S., Akcil A. U.  
FUEL PROCESSING TECHNOLOGY, cilt.152, ss.325-342, 2016 (SCI İndekslerine Giren Dergi)
- XI. **Reductive dissolution by waste newspaper for enhanced meso-acidophilic bioleaching of copper from low grade chalcopyrite: A new concept of biohydrometallurgy**  
PANDA S., BISWAL A., MISHRA S., PANDA P. K. , PRADHAN N., MOHAPATRA U., SUKLA L. B. , MISHRA B. K. , Akcil A. U.  
HYDROMETALLURGY, cilt.153, ss.98-105, 2015 (SCI İndekslerine Giren Dergi)

### **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Bioremediation of acidic mine effluents and the role of sulfidogenic biosystems: a mini-review**  
PANDA S., MISHRA S., Akcil A.  
EURO-MEDITERRANEAN JOURNAL FOR ENVIRONMENTAL INTEGRATION, cilt.1, sa.1, 2016 (ESCI İndekslerine Giren Dergi)

### **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

- I. **Bio-dissolution of Arsenic from Industrial Pyritic Ash Waste**  
PANDA S., AKÇİL A. U. , MISHRA S., TUNCUK A., ERUST C., Agacasulu I.  
16th International Symposium on Environmental Issues and Waste Management in Energy and Mineral Production (SWEMP) / International Symposium on Computer Applications (CAMI), İstanbul, Türkiye, 5 - 07 Ekim 2016

### **Atıflar**

Toplam Atıf Sayısı (WOS):121

h-indeksi (WOS):6