

## Asst. Prof. GÜLER BAYAR

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Sivas Cumhuriyet University, Mühendislik Fakültesi, Maden Mühendisliği, Turkey 2012 - 2022

Postgraduate, Cukurova University, Turkey 2009 - 2012

Undergraduate, Inonu University, Mühendislik Fakültesi, Turkey 2004 - 2008

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Vocational Training, GÜNLÜK HAYATTA SU VERİMLİLİĞİ, TARIM VE ORMAN BAKANLIĞI, 2024

Vocational Training, DEVLET MALINI KORUMA VE TASARRUF TEDBİRLERİ, VERGİ DENETİM KURULU BAŞKANLIĞI, 2024

Vocational Training, ÇEVRE VE SIFIR ATIK, ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI, 2024

Vocational Training, GÜNLÜK HAYATTA VE KAMU BİNALARINDA ENERJİ VERİMLİLİĞİ, ENERJİ VE TABİİ KAYNAKLAR BAKANLIĞI, 2024

Vocational Training, DEPREM FARKINDALIK , İNSAN KAYNAĞI EĞİTİM VE GELİŞTİRME DAİRESİ BAŞKANLIĞI, 2023

Vocational Training, KARIYER PLANLAMA, CUMHURBAŞKANLIĞI İNSAN KAYNAKLARI OFİSİ, 2023

Education Management and Planning, EĞİTİCİNİN EĞİTİMİ, Sivas Cumhuriyet Üniversitesi, 2021

### Dissertations

Doctorate, ENHANCEMENT OF BARITE ORES GROUND IN DIFFERENT MILLS AND INVESTIGATION OF THE EFFECT OF ITS MORPHOLOGICAL PROPERTIES ON FLOTATION, Sivas Cumhuriyet University, Mühendislik Fakültesi, Maden Mühendisliği, 2022

Postgraduate, Eysel ısıtmada kullanılan neme dayanıklı yakıt briketlerinin hazırlanması, Cukurova University, 2012

### Research Areas

Natural Sciences, Engineering and Technology

## Academic and Administrative Experience

Deputy Head of Department, Sivas Cumhuriyet University, Mühendislik Fakültesi, Nanoteknoloji Mühendisliği, 2023 - Continues  
Erasmus Program Institutional Coordinator, 2022 - Continues

## Courses

Cevher Hazırlama Proseslerinde Optimizasyon , Doctorate, 2023 - 2024  
İş Sağlığı ve Güvenliği, Undergraduate, 2023 - 2024  
KÖMÜR TEKNOLOJİSİ, Postgraduate, 2023 - 2024  
Nanomalzemelerde Karakterizasyon Yöntemleri, Undergraduate, 2023 - 2024  
NANOTEKNOLOJİDEKİ SON GELİŞMELER, Undergraduate, 2022 - 2023  
KARİYER PLANLAMA, Undergraduate, 2022 - 2023  
MUKAVEMET, Undergraduate, 2022 - 2023

## Designed Lessons

Bayar G., OPTIMIZATION IN ORE PREPARATION PROCESSES, Doctorate, 2023 - 2024  
Bayar G., NANOTEKNOLOJİDEKİ SON GELİŞMELER, Undergraduate, 2022 - 2023

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

- I. **Modeling the change of the sphericity feature of graphite particles ground in a ball and vibrating disc mill with grinding time**  
ULUSOY U., Burat F., BAYAR G., Mojtahedi B., Güven G.  
Journal of Energy Storage, vol.97, 2024 (SCI-Expanded)
- II. **Comparison of Particle Shape, Surface Area, and Color Properties of the Calcite Particles Ground by Stirred and Ball Mill**  
Ulusoy U., Cayirli S., Bayar G., Gökçen H. S.  
Minerals, vol.13, no.1, 2023 (SCI-Expanded)
- III. **Prediction of average shape values of quartz particles by vibrating disc and ball milling using dynamic image analysis based on established time-dependent shape models**  
Ulusoy U., Bayar G.  
PARTICULATE SCIENCE AND TECHNOLOGY, vol.40, no.7, pp.870-886, 2022 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Determination of the some grinding properties of different barite ores by conventional mills**  
Bayar G., Yekeler M.  
Niğde Üniversitesi Mühendislik Bilimleri Dergisi, vol.11, no.2, pp.431-438, 2022 (Peer-Reviewed Journal)
- II. **EVSEL ISITMADA KULLANILAN NEME DAYANIKLI YAKIT BRİKETLERİNİN HAZIRLANMASI**  
Bayar G., Yıldırım M.  
Ç.Ü Fen ve Mühendislik Bilimleri Dergisi, vol.27, no.1, pp.117-129, 2012 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Multifunctional Nanoparticles Synthesis, Characterization, Structure, and Properties**  
Bayar G., Özler M. E., Aylaz G., Tüzün B., Sözmen F.

in: Multifunctional Magnetic Nanoparticles in Therapy, Biology, and Pharmacy, Elyor Berdimurodov, Chaudhery Mustansar Hussain, Burak Tüzün, Editor, Taylor & Francis Ltd, London, pp.1-33, 2024

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

### **I. Processing of Water Resistant Fuel Briquettes Used in Domestic Heating from Hard Coal**

Bayar G., Yıldırım M., Altın M.

XVII. INTERNATIONAL COAL PREPARATION CONGRESS, İstanbul, Turkey, 1 - 06 October 2013, pp.809-814

## **Metrics**

Publication: 7

Citation (Scopus): 11

H-Index (Scopus): 2