

## Asst. Prof. AYŞE ÜÇYILDIZ

### Personal Information

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### Education Information

Doctorate, Hacettepe University, Fen Bilimleri Enstitüsü, Maden Mühendisliği, Turkey 2008 - 2014

Postgraduate, Hacettepe University, Fen Bilimleri Enstitüsü, Maden Mühendisliği, Turkey 2005 - 2008

Undergraduate, Hacettepe University, Mühendislik Fakültesi, Maden Mühendisliği, Turkey 2000 - 2005

### Foreign Languages

English, B2 Upper Intermediate

### Research Areas

Mining Engineering and Technology, Ore-Dressing, Chemical-Biological Winning Techniques and Mineral Processing, Engineering and Technology

### Academic Titles / Tasks

Research Assistant, Hacettepe University, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2006 - 2012

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

- I. **Direct conversion of alkaline earth metal hydroxides and sulfates to carbonates in ammonia solutions**  
Ehsani I., Ehsani A., ÜÇYILDIZ A., OBUT A.  
PHYSICOCHEMICAL PROBLEMS OF MINERAL PROCESSING, vol.58, no.1, pp.169-180, 2022 (SCI-Expanded)
- II. **Leaching behaviour of zinc from a smithsonite ore in sodium hydroxide solutions**  
EHSANI İ., ÜÇYILDIZ A., OBUT A.  
PHYSICOCHEMICAL PROBLEMS OF MINERAL PROCESSING, vol.55, no.2, pp.407-416, 2019 (SCI-Expanded)
- III. **HIGH PRESSURE SULPHURIC ACID LEACHING OF LATERITIC NICKEL ORE**  
ÜÇYILDIZ A., Girgin I.  
PHYSICOCHEMICAL PROBLEMS OF MINERAL PROCESSING, vol.53, no.1, pp.475-488, 2017 (SCI-Expanded)
- IV. **Dissolution behaviour of a Turkish lateritic nickel ore**  
GİRGIN İ., OBUT A., ÜÇYILDIZ A.  
MINERALS ENGINEERING, vol.24, no.7, pp.603-609, 2011 (SCI-Expanded)
- V. **Controlled synthesis, characterization and thermal properties of Mg<sub>2</sub>B<sub>2</sub>O<sub>5</sub>**

## Refereed Congress / Symposium Publications in Proceedings

- I. **Effect Of Sulphuric Acid Addition On Thermal Behaviour Of A Limonitic Nickel Laterite Ore**  
ÜÇYILDIZ A., Ünaldı Ç. T., OBUT A., GİRĞİN İ.  
17.Balkan Mineral Processing Congress, Turkey, 1 - 03 November 2017, vol.477
- II. **A Comparative Dry Grinding Study Of A Natural And A Heated Vermiculite**  
EHSANİ İ., TOPRAK N. A., ALTUN O., ÜÇYILDIZ A., OBUT A.  
3.International Porous And Powder Materials Symposium And Exhibition, Turkey, 12 - 15 September 2017, pp.6-11
- III. **Structure And Colour Properties Of Nickel Containing Magnesium Borates**  
ÜÇYILDIZ A., GİRĞİN İ., OBUT A.  
Proceedings Of The 12. International Mineral Processing Symposium, Turkey, 6 - 08 October 2010, pp.775-782
- IV. **Kobalt İçeren Magnezyum Boratların Sentezlenmesi Ve Karakterizasyonu**  
GİRĞİN İ., OBUT A., ÜÇYILDIZ A., KARAN B., Balaz P.  
4. Uluslararası Bor Sempozyumu Bildiriler Kitabı, Turkey, 15 - 17 October 2009, pp.145-152

## Metrics

Publication: 9

Citation (WoS): 58

Citation (Scopus): 43

H-Index (WoS): 3

H-Index (Scopus): 2

## Non Academic Experience

Hacettepe Üniversitesi