

Prof. MUSTAFA ÜMİT ATALAY

Personal Information

Email: atalay@metu.edu.tr

Web: <https://avesis.metu.edu.tr/atalay>

Education Information

Doctorate, Middle East Technical University, Faculty of Engineering, Department of Mining Engineering, Turkey 1979 - 1986

Postgraduate, Middle East Technical University, Faculty of Engineering, Department of Mining Engineering, Turkey 1976 - 1979

Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Mining Engineering, Turkey 1971 - 1976

Dissertations

Postgraduate, The factors affecting autogenous grinding with respect to Turkish ores, Middle East Technical University, Faculty of Engineering, Department of Mining Engineering, 1979

Doctorate, Surface properties of chromite and concentration of chromite gravity tailings, Middle East Technical University, Faculty of Engineering, Department of Mining Engineering, 1979

Academic and Administrative Experience

Middle East Technical University, Graduate School of Natural and Applied Sciences, Arkeometri (YI) (Tezli), 2010 - Continues

Advising Theses

ÖZKAN T., ATALAY M. Ü., Investigation of workplace accidents in coal and mineral processing plants: Unsafe acts, safety culture and safety leadership, Doctorate, E. PEKPAK (Student), 2018

ATALAY M. Ü., Archaeometric Investigation of the Construction Materials of Roman (Caracalla) Bath in Ankara, Doctorate, Z. TANRIVERDİ (Student), 2018

ALTUN N. E., ATALAY M. Ü., Beneficiation of oxide lead and zinc minerals by selective flotation and ammonia leaching, Postgraduate, D. TALAN (Student), 2016

ATALAY M. Ü., Recovery of copper from oxide copper ore by flotation and leaching, Postgraduate, E. KİRAZ (Student), 2014

ATALAY M. Ü., Characterization and utilization potential of class F fly ashes, Doctorate, İ. ACAR (Student), 2013

ATALAY M. Ü., Flotation characteristics of minerals in feldspar ores, Doctorate, S. ÖZÜN (Student), 2012

ATALAY M. Ü., Investigation of adsorption of pesticides by organo-zeolite from wastewater, Doctorate, G. MELTEM (Student), 2011

ATALAY M. Ü., Cleaning of Şırnak Karatepe asphaltites, Postgraduate, E. DEMİR (Student), 2009

ATALAY M. Ü., Modification of magnetic properties of siderite by thermal treatment, Postgraduate, D. ALKAÇ (Student), 2007

ATALAY M. Ü., Nickel extraction from Gördes laterites by hydrochloric acid leaching, Postgraduate, A.GÖVELİ(Student), 2006

ATALAY M. Ü., Removal of heavy metals in waste water by using coal fly ash, Postgraduate, E.TUĞCAN(Student), 2005

ATALAY M. Ü., Evaluation of soda ash production parameters from Beypazarı trona ore, Doctorate, S.ÖRGÜL(Student), 2003

ATALAY M. Ü., Microwave heating characteristics of pyrite and microwave assisted coal desulphurization, Doctorate, T.USLU(Student), 2002

ATALAY M. Ü., The Utilization of fly ash in manufacturing of building bricks, Postgraduate, F.TÜTÜNLÜ(Student), 2000

ATALAY M. Ü., Electrochemical behaviour and flotation of pyrite in the presence of dithiophosphate, Postgraduate, B.ÖZTAŞ(Student), 2000

ATALAY M. Ü., Gold extraction from kaymaz gold ore by thiourea leaching, Postgraduate, S.ÖRGÜL(Student), 1999

ATALAY M. Ü., Grindability of microwave-heated ores., Postgraduate, A.GÜNGÖR(Student), 1998

ATALAY M. Ü., Silver extraction from Gümüşköy silver ore by leaching, Doctorate, B.ŞENTÜRK(Student), 1996

ATALAY M. Ü., Flotation behavior of galena and pyrite, Postgraduate, B.TOKA(Student), 1996

ATALAY M. Ü., Locked cycle flotation test of Murgul Çakmak kaya copper ore, Postgraduate, O.SÖNMEZER(Student), 1991

ATALAY M. Ü., Flotation of Kutular pyritic copper ore, Postgraduate, Ü.AKDEMİR(Student), 1990

ATALAY M. Ü., Washability characteristics of Tunçbilek-Beke lignites, Postgraduate, H.DOĞAN(Student), 1988

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **ProFAB-open protein functional annotation benchmark**
Ozdilek A. S., Atakan A., Özsarı G., Acar A. C., Atalay M. V., Doğan T., Rifaioğlu A. S.
BRIEFINGS IN BIOINFORMATICS, vol.24, 2023 (SCI-Expanded)
- II. **Recovery potentials of cenospheres from bituminous coal fly ashes**
ACAR İ., ATALAY M. Ü.
FUEL, vol.180, pp.97-105, 2016 (SCI-Expanded)
- III. **A COMPARATIVE STUDY ON INTERACTIONS OF IONIC COLLECTORS WITH ORTHOCLASE**
ÖZÜN S., ATALAY M. Ü.
PHYSICOCHEMICAL PROBLEMS OF MINERAL PROCESSING, vol.52, no.2, pp.955-972, 2016 (SCI-Expanded)
- IV. **Comparison of Fenitrothion and Trifluralin Adsorption on Organo-Zeolites and Activated Carbon. Part II: Thermodynamic Parameters and the Suitability of the Kinetic Models of Pesticide Adsorption**
LÜLE ŞENÖZ G. M., ATALAY M. Ü.
PARTICULATE SCIENCE AND TECHNOLOGY, vol.32, no.4, pp.426-430, 2014 (SCI-Expanded)
- V. **Comparison of Fenitrothion and Trifluralin Adsorption on Organo-Zeolites and Activated Carbon. Part I: Pesticides Adsorption Isotherms on Adsorbents**
LÜLE ŞENÖZ G. M., ATALAY M. Ü.
PARTICULATE SCIENCE AND TECHNOLOGY, vol.32, no.4, pp.418-425, 2014 (SCI-Expanded)
- VI. **Characterization of sintered class F fly ashes**
Acar I., ATALAY M. Ü.
FUEL, vol.106, pp.195-203, 2013 (SCI-Expanded)
- VII. **Relative consistency of projective reconstructions obtained from the same image pair**
Otlu B., Atalay M. V., Hassanpour R.
INTERNATIONAL JOURNAL OF PATTERN RECOGNITION AND ARTIFICIAL INTELLIGENCE, vol.20, no.5, pp.649-663, 2006 (SCI-Expanded)
- VIII. **Beneficiation of bastnaesite by a multi-gravity separator**
Ozbayoglu G., Atalay M.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.303, pp.520-523, 2000 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Flotation of Pyrite from Flotation Tailings**
Altınel Y., Sarılar S., Yılmaz O., ATALAY M. Ü., ALTUN N. E.
13th International Mineral Processing Symposium, 23 - 25 October 2018
- II. **Bottle Roll Testing for Cyanidation of Gold Ores: Problems related to Standardized Procedures on Difficult-to-Process Ores**
ÇETİN M. C., ALTUN N. E., ATALAY M. Ü., BÜYÜKTANIR K.
4th International Conference on Mining, Material and Metallurgical Engineering, Roma, Italy, 8 - 10 June 2017, pp.1481-1489
- III. **Extraction of zinc from smithsonite by ammonia leaching**
TALAN D., ATALAY M. Ü., ALTUN N. E.
4th International Conference on Mining, Material and Metallurgical Engineering, ROMA, Italy, 8 - 10 June 2017, pp.1301-1306
- IV. **Enrichment of Scandium Contained in Serpentinite by Attrition Scrubbing Method**
ALTINSEL Y., ALTUN N. E., TOPKAYA Y., ATALAY M. Ü., ŞENTÜRK B.
ERES 2017: The 2nd Conference on European Rare Earth Resources, SANTORİNİ, Greece, 28 - 31 May 2017
- V. **Loading Behaviours of Nickel, Cobalt and Scandium on Different Types of Resin**
ALTINSEL Y., ALTUN N. E., TOPKAYA Y., ATALAY M. Ü., KAYA Ş.
ERES 2017: The 2nd Conference on European Rare Earth Resources, SANTORİNİ, Greece, 28 - 31 May 2017
- VI. **Çatalhöyük'ten alınan çeşitli sıva örneklerinin X-ışını kırınım analizi ile incelenmesi**
Güzel A., Akgül Ç., Atalay M. Ü., Demirci Ş.
T.C. Kültür ve Turizm Bakanlığı, 33. Uluslararası Kazı, Araştırma ve Arkeometri Sempozyumu, Bursa, Turkey, 22 - 26 May 2017, vol.1, pp.39-51
- VII. **Characterization of Kayseri Develi Pb Zn Oxide Ore**
TALAN D., ATALAY M. Ü., ALTUN N. E.
XVIth Balkan Mineral Processing Congress, 17 - 19 June 2015

Expert Reports

- I. **Ermenek Cenne linyit madeni kazası**
ATALAY M. Ü., KARPUZ C., ÇAMUR M. Z., TOPAL T., DEMİREL N.
Ankara 7. Ağır Ceza Mahkemesi, pp.24, Ankara, 2017
- II. **Ermenek Cenne linyit madeni kazası**
ATALAY M. Ü., KARPUZ C., ÇAMUR M. Z., TOPAL T., DEMİREL N.
Ankara 7. Ağır Ceza Mahkemesi, pp.24, Ankara, 2017
- III. **Ermenek Cenne linyit madeni kazası**
ATALAY M. Ü., KARPUZ C., ÇAMUR M. Z., TOPAL T., DEMİREL N.
12. Ağır Ceza Mahkemesi, pp.126, Ankara, 2017

Supported Projects

ATALAY M. Ü., TANRIVERDİ Z., Project Supported by Higher Education Institutions, ANKARA ROMA HAMAMI YAPI MALZEMELERİNİN ARKEOMETRİK ÇALIŞMALARI 2018, 2018 - 2019

AKGÜL Ç., ATALAY M. Ü., GÜZEL A., Project Supported by Higher Education Institutions, Neolitik dönem Çatalhöyük'ten (Çumra-Konya) çıkarılan bazı sıva parçaları üzerine arkeometrik çalışmalar, 2017 - 2017

ATALAY M. Ü., Project Supported by Higher Education Institutions, İZNİK ROMA ANTİK TİYATROSU KAZILARINDAN ELDE EDİLEN BAZI FOSİL KEMİKLERİN ARKEOMETRİK YÖNDEN İNCELENMESİ, 2017 - 2017

ATALAY M. Ü., Project Supported by Higher Education Institutions, ANKARA ROMA HAMAMI YAPI MALZEMELERİNİN

ARKEOMETRİK ÇALIŞMALARI, 2017 - 2017

ALTUN N. E., BÜYÜKTANIR K., ATALAY M. Ü., ÇETİN M. C., Project Supported by Higher Education Institutions, Arsenikli Mineral İçerikli Cevherlerden Altın Kazanımında Kavurma İşleminin Kullanılabilirliğinin Belirlenmesi, 2017 - 2017

ATALAY M. Ü., ALTUN N. E., TALAN D., Project Supported by Higher Education Institutions, Oksitli kurşun - çinko cevherlerinden seçimli flotasyon ile kurşun ve çinko konsantrelerinin üretimi, 2015 - 2016

ALTUN N. E., ATALAY M. Ü., ÇETİN M. C., Project Supported by Higher Education Institutions, Asfaltitin termik santrallerde kullanımı sonucunda oluşan uçucu küllerin karakterizasyonu, 2015 - 2016

ATALAY M. Ü., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2016

ATALAY M. Ü., SERDAR O., GÜNAL TÜRKMEÑOĞLU A., Project Supported by Higher Education Institutions, YENİKAPI MARMARAY KAZILARINDA BULUNAN BATIKLARDAKİ TAŞ ÇAPALAR ÜZERİNE ARKEOMETRİK ÇALIŞMALAR, 2015 - 2015

ATALAY M. Ü., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2015

ATALAY M. Ü., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2015

ATALAY M. Ü., PEKPAK E., Project Supported by Higher Education Institutions, TÜRK LİNYİTLERİNDE İZ ELEMENTLERİN KÖMÜRÜN ORGANİK VE İNORGANİK BİLEŞENLERİNE DAĞILIMLARININ BELİRLENMESİ VE İZ ELEMENTLERİN UZAKLAŞTIRILMASI, 2013 - 2013

ATALAY M. Ü., Project Supported by Higher Education Institutions, Kırka Bor Madeni Killerinden Lityum Kazanımı, 2011 - 2011

ATALAY M. Ü., Project Supported by Higher Education Institutions, Feldspat cevheri ve safsızlıkların zeta potansiyel ölçümleri ve reaktiflerin adsorplanma mekanizmalarının incelenmesi, 2010 - 2010

Metrics

Publication: 19

Citation (WoS): 121

Citation (Scopus): 109

H-Index (WoS): 5

H-Index (Scopus): 4

Non Academic Experience

METU

METU

METU

METU

METU