

Assoc. Prof. NURULLAH METİN CAN

Personal Information

Office Phone: [+90 312 297 6799](tel:+903122976799)

Office Phone: [+90 312 297 7600](tel:+903122977600) Extension: 123

Fax Phone: [+90 312 299 2155](tel:+903122992155)

Email: metin.can@hacettepe.edu.tr

Address: Hacettepe Üniversitesi Maden Mühendisliği Bölümü Beytepe Kampüsü 06800 Beytepe/ANKARA

Education Information

Doctorate, Hacettepe Üniversitesi, Mühendislik Fakültesi, Maden Mühendisliği, Turkey 1997 - 2001

Post Graduate, Hacettepe Üniversitesi, Mühendislik Fakültesi, Maden Mühendisliği, Turkey 1994 - 1997

Under Graduate, Hacettepe Üniversitesi, Mühendislik Fakültesi, Maden Mühendisliği, Turkey 1984 - 1990

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Mikrodalga ile sülfürlü minerallerin (pirit, kalkopirit, sfalerit ve galenit) etkileşiminin incelenmesi, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Maden Mühendisliği (Dr), 2001

Post Graduate, Kökenin ve galvanik etkileşimin piritin temas açısına etkisi, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Maden Mühendisliği (YI) (Tezli), 1997

Research Areas

Mining Engineering and Technology, Ore-Dressing, Communiton-Sizing-Classification, Benefication by Gravity, Dense-Medium, Magnetic and Electrostatic, Flotation and Flocculation, Dewatering, Process and Plant Design, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Hacettepe University, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2019 - Continues

Assistant Professor, Hacettepe Üniversitesi, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2018 - Continues

Assistant Professor, Hacettepe Üniversitesi, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2009 - 2018

Lecturer PhD, Hacettepe Üniversitesi, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2002 - 2009

Research Assistant, Hacettepe Üniversitesi, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 1995 - 2002

Courses

MAD 431 GRADUATION PROJECT-I, Under Graduate, 2016 - 2017, 2017 - 2018

MAD 343 MİNERAL PROCESSİNG-II, Under Graduate, 2016 - 2017, 2017 - 2018
MAD601 001 KATI SIVI AYIRIM YÖNTEMLERİ, Post Graduate, 2017 - 2018
MAD 419 SOLİD LİQUİD SEPARATİON, Under Graduate, 2016 - 2017, 2017 - 2018
MAD 711 AKIM ŞEMASI GELİŞTİRME-I, Doctorate, 2017 - 2018
MAD421 INDUSTRIAL MİNERALS AND THEIR BENEFİCIATIONS, Under Graduate, 2016 - 2017, 2017 - 2018
MAD 712 AKIM ŞEMASI GELİŞTİRME-II, Doctorate, 2017 - 2018
MAD 432 GRADUATİON PROJECT-II, Under Graduate, 2016 - 2017, 2017 - 2018
MAD 506 BİLİMSEL VE TEKNİK ARAŞTIRMAYA GİRİŞ, Post Graduate, 2016 - 2017

Advising Theses

CAN N. M. , Bakır cürufu öğütme devresinin bilgisayar destekli performans değerlendirmesi ve optimizasyonu, Post Graduate, O.MERT(Student), 2017
CAN N. M. , Yer çekimi ile zenginleştirme yöntemleri kullanılarak Akarşen cevherinden altın kazanımı çalışmaları, Post Graduate, A.YAŞAR(Student), 2017
CAN N. M. , Kaymaz Altın Tesisi atıklarından flotasyon yöntemi ile altının geri kazanımı, Post Graduate, M.CANKURTARAN(Student), 2016
CAN N. M. , Organik bastırıcıların Çayeli bakır cevherinin flotasyon performansına etkilerinin incelenmesi, Post Graduate, G.BİLGİN(Student), 2012
CAN N. M. , Application of column flotation in copper circuit in Çayeli Bakır İşletmeleri, Post Graduate, O.ALTUN(Student), 2011
CAN N. M. , İnce kömürün santrifüjlü konsantratör ile zenginleştirilmesi, Post Graduate, E.AHMET(Student), 2009
CAN N. M. , Mengen kömürlerinin flotasyon ile zenginleştirilebilirliğinin araştırılması, Post Graduate, C.BÜYÜKYILDIZ(Student), 2008
CAN N. M. , Investigation of settling behaviour of sphalerite at the zinc concentrate thickener, Post Graduate, A.NİHAN(Student), 2008
CAN N. M. , Kuru öğütmenin sülfürlü cevherlerin flotasyon performansına etkisi, Post Graduate, Ç.BAŞARAN(Student), 2006

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Sulphate Removal from Flotation Process Water Using Ion-Exchange Resin Column System**
CAN İ. B. , Bıçak O., Özcelik S., Can M., EKMEKÇİ Z.
MINERALS, vol.10, no.8, 2020 (Journal Indexed in SCI)
- II. **Selection of the best route for column configuration in an existing copper circuit**
CAN N. M. , Altun O.
PHYSICOCHEMICAL PROBLEMS OF MINERAL PROCESSING, vol.55, no.2, pp.552-564, 2019 (Journal Indexed in SCI)
- III. **Concentration Characteristics of a Complex Antimony Ore**
GÜLCAN E., CAN İ. B. , CAN N. M. , Ergun L. S.
PHYSICOCHEMICAL PROBLEMS OF MINERAL PROCESSING, vol.55, no.4, pp.823-839, 2019 (Journal Indexed in SCI)
- IV. **Effect of microwave radiation on processing characteristics of sulphide minerals in inert atmosphere**
CAN N. M.
SEPARATION SCIENCE AND TECHNOLOGY, vol.51, no.7, pp.1248-1258, 2016 (Journal Indexed in SCI)
- V. **The effect of water chemistry on froth stability and surface chemistry of the flotation of a Cu-Zn sulfide ore**
BIÇAK Ö., EKMEKÇİ Z., Can M., ÖZTÜRK Y.
INTERNATIONAL JOURNAL OF MINERAL PROCESSING, vol.102, pp.32-37, 2012 (Journal Indexed in SCI)
- VI. **The influence of grinding technique on the liberation of clinker minerals and cement properties**

CELİK İ. B. , ONER M., Can N. M.

CEMENT AND CONCRETE RESEARCH, vol.37, no.9, pp.1334-1340, 2007 (Journal Indexed in SCI)

VII. **Effect of microwave treatment on the flotation and magnetic separation properties of pyrite, chalcopyrite, galena and sphalerite**

Can N. M. , Bayraktar I.

MINERALS & METALLURGICAL PROCESSING, vol.24, no.3, pp.185-192, 2007 (Journal Indexed in SCI)

VIII. **Production of potassium feldspar concentrate from a low-grade pegmatitic ore in Turkey**

GÜLSOY Ö. Y. , CAN N. M. , Bayraktar I.

Transactions of the Institutions of Mining and Metallurgy, Section C: Mineral Processing and Extractive Metallurgy, vol.114, no.2, pp.80-86, 2005 (Journal Indexed in SCI Expanded)

IX. **Two stage flotation of sodium feldspar - from laboratory to industrial application**

Gulsoy O., Can N. M. , Bayraktar I., Ersayin S., Hizal M., Sahin A.

TRANSACTIONS OF THE INSTITUTIONS OF MINING AND METALLURGY SECTION C-MINERAL PROCESSING AND EXTRACTIVE METALLURGY, vol.113, no.3, pp.139-144, 2004 (Journal Indexed in SCI)

Articles Published in Other Journals

I. **KARAÇAM LATERİTİK NİKEL CEVHERİNİN MİNERALojİK KARAKTERİZASYONU VE FİZİKSEL ZENGİNLEŞME DAVRANIMININ BELİRLENMESİ**

Özcan Ö., Can N. M. , Can İ. B. , Sayılı S.

Bilimsel Madencilik Dergisi, vol.58, no.4, pp.287-298, 2019 (Other Refereed National Journals)

II. **Yer Çekimi İle Zenginleştirme Yöntemleri Kullanılarak Cu-Au Cevherinden Altın Kazanımı Çalışmaları**

YAMANTAŞ A. Y. , CAN N. M.

Yerbilimleri/Hacettepe Üniversitesi Yerbilimleri Uygulama ve Araştırma Merkezi Dergisi, vol.39, no.1, pp.65-77, 2018 (Other Refereed National Journals)

III. **Proses Mineralojisi Veri Değerlendirme ve Uygulama Örnekleri Bölüm 2**

ÇELİK İ. B. , CAN N. M.

Madencilik, vol.48, pp.11-20, 2009 (Other Refereed National Journals)

IV. **Proses Mineralojisi Cevher Hazırlamadaki Önemi Ölçüm Yöntem ve Araçları Bölüm 1**

CAN N. M. , ÇELİK İ. B.

Madencilik, vol.48, pp.43-53, 2009 (Other Refereed National Journals)

V. **Manyetik ayırma ve flotasyonla magmatik ve metamorfik kayalardan feldispat üretimi**

GÜLSOY Ö. Y. , ORHAN E. C. , CAN N. M. , BAYRAKTAR İ.

Yerbilimleri/Hacettepe Üniversitesi Yerbilimleri Uygulama ve Araştırma Merkezi Dergisi, no.30, pp.49-61, 2004 (Other Refereed National Journals)

VI. **Bursa Orhaneli siyenitlerinden feldispat üretimi**

GÜLSOY Ö. Y. , ORHAN E. C. , CAN N. M.

Madencilik Dergisi, vol.43, pp.17-28, 2004 (Other Refereed National Journals)

VII. **Altere Granitlerden Yüksek Potasyumlu Feldispat Üretimi**

GÜLSOY Ö. Y. , İRFAN B., CAN N. M.

Madencilik Dergisi, vol.42, pp.3-9, 2003 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

I. **Electrochemical detection of thiosulfate in the presence of sulfate ion using stainless steel electrode modified by gold**

ERTEKİN Z., PEKMEZ K., CAN N. M. , EKMEKÇİ Z.

Flotation 19 CapeTown South Africa, 11 - 14 November 2019

II. **Influence of Mineralogy of Chrome Ores on their Enrichment Behaviours**

- CAN İ. B. , ERGÜN Ş. L. , CAN N. M. , ÖZCAN Ö., AGHLMANDI A.
XVI. International Mineral Processing Symposium, 23 - 25 October 2018, pp.43
- III. **Flotation of problematic Cu-Zn Ores in Çbi (Turkey)**
EKMEKÇİ Z., BIÇAK Ö., CAN N. M. , ÇELİK İ. B. , ÖZTÜRK Y., KOCABIYIK B., ŞAHİN N.
SME Annual Conference and Expo 2017: Creating Value in a Cyclical Environment, 19 - 22 February 2017, pp.324-328
- IV. **Performance Evaluation Practices At Dense Medium Separation Circuits**
ORHAN E. C. , CAN N. M. , OLGUN Z., ÖZER A.
XVIII International Coal Preparation Congress, St. Petersburg, Russia, 28 June - 01 July 2016, pp.839-847
- V. **Effects of different collector types and mixtures on a porphyry copper molybdenum sulphide ore flotation**
BIÇAK Ö., BAHRAMI A., ÖZDEMİR E., ÇELİK İ. B. , CAN N. M. , EKMEKÇİ Z.
International Mineral Processing symposium, KUŞADASI, Turkey, 15 - 17 October 2014, pp.287-292
- VI. **Evaluation of Ömerler Coal Washing Plant Performance Using Density Tracers**
ORHAN E. C. , GÜLSOY Ö. Y. , ERGÜN Ş. L. , CAN N. M. , ÖZER A.
14th International Mineral Processing Symposium, 15 - 17 October 2014
- VII. **Integration of Process Mineralogy into the Undergraduate Education of Mineral Processors at Hacettepe University**
ÇELİK İ. B. , CAN N. M. , BRADSHAW D.
21. Meeting of the International Mineralogical Association, Johannesburg, South Africa, 1 - 05 September 2014, pp.369
- VIII. **Plant scale measurement of flotability of sulphide minerals by using EIS**
BAĞCI TEKEŞ E., EKMEKÇİ Z., CAN N. M. , PEKMEZ K.
XIII. International Mineral Processing Symposium, 10 - 12 October 2012
- IX. **Flotation of Yenipazar Yozgat Complex Sulphide Ore**
BIÇAK Ö., ÇELİK İ. B. , ÖZTÜRK Y., CAN N. M. , EKMEKÇİ Z., ALTUN O.
XIII. International Mineral Processing Symposium, BODRUM, Turkey, 10 - 12 October 2012, pp.391-399
- X. **Copper circuit modification at copper zinc concentrator of Çayeli Bakır İşletmeleri A Ş Türkiye**
ASLAN A., EKMEKÇİ Z., CAN N. M. , ÇELİK İ. B. , BIÇAK Ö., ALTUN O.
22nd World Mining CongressExpo, İstanbul, Turkey, 11 - 16 September 2011, pp.367-374
- XI. **Investigations on Improvement of Clean Coal Recovery at TKI**
GÜLSOY Ö. Y. , ERGÜN Ş. L. , CAN N. M. , ORHAN E. C. , GÜLCAN E., ERKAN E.
XIV Balkan Mineral Processing Congress, 14 - 16 June 2011
- XII. **Application of De stoning Equipment for Power Plant Coal Production**
GÜLSOY Ö. Y. , ERGÜN Ş. L. , CAN N. M. , ORHAN E. C.
XIV Balkan Mineral Processing Congress, 14 - 16 June 2011
- XIII. **Simulation of Three Product Heavy Medium Cyclone Application For Soma Region Coals**
GÜLSOY Ö. Y. , ERGÜN Ş. L. , CAN N. M. , ORHAN E. C.
XIV Balkan Mineral Processing Congress, 14 - 16 June 2011
- XIV. **Investigation of Alternatives for Improving the Performance of a Flotation Circuit**
ERGÜN Ş. L. , GÜLSOY Ö. Y. , EKMEKÇİ Z., CAN N. M. , ÇELİK İ. B. , KEKELIDZE K., DALAKISHVILI T.
XII. International Mineral Processing Symposium, Nevşehir, Turkey, 6 - 08 October 2010, pp.405-414
- XV. **Investigation of Froth Accumulation on the Zinc Concentrate Thickener of Çayeli Bakır İşletmeleri A Ş**
ŞAHİN A. N. , CAN N. M.
XII. International Mineral Processing Symposium, Nevşehir, Turkey, 6 - 08 October 2010, pp.1043-1052
- XVI. **Investigation of the Alternatives For Improving the Performance of a Flotation Circuit**
ERGÜN Ş. L. , GÜLSOY Ö. Y. , EKMEKÇİ Z., CAN N. M. , ÇELİK İ. B.
12th International Mineral Processing Symposium, 6 - 10 September 2010
- XVII. **Performance evaluation of a copper flotation plant by employing process mineralogy**
ÇELİK İ. B. , CAN N. M.

Flotation 'xx09, 9 - 12 November 2009

- XVIII. Effects of water chemistry on flotation performance of a sulphide ore**
BIÇAK Ö., EKMEKÇİ Z., CAN N. M. , ÖZTÜRK Y.
Flotation 'xx09, 9 - 12 November 2009
- XIX. The relationship between oxidation index and flotation performance by using EDTA extraction method**
BIÇAK Ö., EKMEKÇİ Z., CAN N. M.
13.IACIS/83.ACS Symposium, 14 - 19 June 2009, pp.178
- XX. A methodology to measure surface oxidation of a sulphide ore**
BIÇAK Ö., EKMEKÇİ Z., CAN N. M.
International Mineral Processing Symposium, Antalya, Turkey, 21 - 23 October 2008, pp.1195-1200
- XXI. Development of an oxidation index to predict floatability in a sulphide ore**
BIÇAK Ö., EKMEKÇİ Z., CAN N. M.
Mineral Processing Conference, Cape-Town, South Africa, 7 - 08 August 2008
- XXII. Simulation aided design of Soma Deniz coal washing plant and comparison with the actual performance**
ANAÇ S., ERSUN E., BENZER A. H. , CAN N. M.
International Mineral Processing Congress, İstanbul, Turkey, 3 - 08 September 2006, pp.2520-2524
- XXIII. Relating the changes in froth structure to metallurgical performance in flotation using machine vision**
EKMEKÇİ Z., CAN N. M. , ASLAN A., BRADSHAW D. J.
International Mineral Processing Congress, İstanbul, Turkey, 3 - 08 September 2006, pp.802-806
- XXIV. Performance evaluation of ÇBİ Flotation Plant using Mineralogical Analysis**
EKMEKÇİ Z., CAN N. M. , ERGÜN Ş. L. , GÜLSOY Ö. Y. , BENZER A. H. , ÇELİK İ. B.
The 19th International Mining Congress of Turkey, 9 - 12 June 2005
- XXV. Flotasyonda kalma süresi ve besleme tane boyunun verim üzerine etkisinin simülasyonla incelenmesi**
CAN N. M. , GÜLSOY Ö. Y. , EKMEKÇİ Z., ERGÜN Ş. L. , BENZER A. H.
Türkiye 19. Uluslararası Madencilik Kongresi, 9 - 12 June 2005
- XXVI. Performance evaluation studies in Çayeli Grinding Circuit**
ERGÜN Ş. L. , GÜLSOY Ö. Y. , CAN N. M. , BENZER A. H.
International Mining Congress of Turkey, İzmir, Turkey, 9 - 12 June 2005, pp.213-222
- XXVII. Performance evaluation studies in Çayeli Grinding Circui**
ERGÜN Ş. L. , GÜLSOY Ö. Y. , CAN N. M. , BENZER A. H.
The 19th International Mining Congress of Turkey, 10 - 12 May 2005
- XXVIII. Effect of Microwave on Selected Sulphide Minerals**
CAN N. M. , BAYRAKTAR İ.
IX. International Mineral Processing Symposium, KAPADOKYA, Turkey, 18 - 20 September 2002, pp.129-130
- XXIX. Two Stage Flotation of Na Feldspar From Laboratory to Industrial Application**
BAYRAKTAR İ., GÜLSOY Ö. Y. , ERSAYIN S., CAN N. M. , HIZAL M., ŞAHİN A. İ.
IX. International Mineral Processing Symposium, KAPADOKYA, Turkey, 18 - 20 September 2002, pp.63-64
- XXX. Investigation on the Alternatives to Obtain Finer Flotation Feed at Küre Grinding Circuit by Simulation**
ERGÜN Ş. L. , EKMEKÇİ Z., GÜLSOY Ö. Y. , CAN N. M. , ORHAN E. C. , DİKMEN S., OBUT A.
International Mineral Processing Symposium-Mineral Processing on the Verge of the 21st Century, Antalya, Turkey, 16 - 18 October 2000, pp.59-64
- XXXI. Interactive Effects of Pulp Potential and Oxygen Content on Copper Zinc Separation at Çayeli Bakır İşletmeleri A Ş ÇBİ Flotation Plant**
EKMEKÇİ Z., ASLAN A., ERGÜN Ş. L. , GÜLSOY Ö. Y. , CAN N. M.
International Mineral Processing Symposium-Mineral Processing on the Verge of the 21st Century, Antalya, Turkey, 16 - 18 October 2000, pp.281-286

- XXXII. **Modelling and Simulation of Grinding Circuit at Çayeli Bakır İşletmeleri A Ş ÇBİ Flotation Plant**
ERGÜN Ş. L. , ERSAYIN S., GÜLSOY Ö. Y. , EKMEKÇİ Z., CAN N. M. , ASLAN A.
Mineral Processing on the Verge of the 21st Century, Antalya, Turkey, 16 - 18 October 2000, pp.65-70
- XXXIII. **Interactive effects of pulp potential and oxygen content on copper-zinc separation at Cayeli Bakır İşletmeleri AS (CBI) flotation plant**
EKMEKCI Z., ASLAN A., ERGUN S., Gulsoy O., CAN N. M.
8th International Mineral Processing Symposium (IMPS-2000), Antalya, Turkey, 16 - 18 October 2000, pp.281-286
- XXXIV. **Modelling and simulation of grinding circuit at Cayeli Bakır İşletmeleri AS, (CBI) flotation plant**
ERGUN S., ERSAYIN S., Gulsoy O., EKMEKCI Z., CAN N. M. , ASLAN A.
8th International Mineral Processing Symposium (IMPS-2000), Antalya, Turkey, 16 - 18 October 2000, pp.65-70
- XXXV. **Investigations on the alternatives to obtain finer flotation feed at Kure grinding circuit by simulation**
ERGUN S., EKMEKCI Z., Gulsoy O., CAN N. M. , ORHAN E., DIKMEN S., OBUT A.
8th International Mineral Processing Symposium (IMPS-2000), Antalya, Turkey, 16 - 18 October 2000, pp.59-64
- XXXVI. **Temel Seramik ve Cam Hammaddelerimizdeki Feldispat Kuvars ve Kaolin Kalite Sorunları ve Çözüm Önerileri**
BAYRAKTAR İ., ERSAYIN S., GÜLSOY Ö. Y. , EKMEKÇİ Z., CAN N. M.
3. Endüstriyel Hammaddeler Sempozyumu, Ankara, Turkey, 14 - 15 October 1999, pp.22-33
- XXXVII. **Performance of a pitched sluice for the concentration of very low grade chromite ore**
ERGÜN Ş. L. , SİYAHHAN S., CAN N. M. , BENZER A. H.
8. Balkan Mineral Processing Conference, 13 - 18 September 1999
- XXXVIII. **Effect of genesis on wetting behaviour of pyrite surfaces**
BAYRAKTAR I., CAN N. M. , EKMEKÇİ Z.
International Mineral Processing Symposium, İstanbul, Turkey, 15 - 17 September 1998, pp.119-124

Supported Projects

CAN N. M. , Project Supported by Higher Education Institutions, Galvanik Etkileşimin Sülfürlü Minerallerin Temas Açısına Etkisi, 2016 - 2017

Citations

Total Citations (WOS):81

h-index (WOS):4