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Education Information

Doctorate, Istanbul Technical University, Maden Fakültesi, Maden Mühendisliği Bölümü, Turkey 1992 - 1996

Dissertations

Doctorate, Küre disemine bakır cevherinin ön zenginleştirilme olanaklarının araştırılması, İstanbul Teknik Üniversitesi, Maden Fakültesi, Maden Mühendisliği Bölümü, 2001

Research Areas

Mining Engineering and Technology, Ore-Dressing

Academic Titles / Tasks

Professor, Istanbul Technical University, Maden, Cevher Hazırlama Mühendisliği, 2014 - Continues

Associate Professor, Istanbul Technical University, Maden, Cevher Hazırlama Mühendisliği, 1991 - 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Environmentally friendly process instead of cyanide leaching on recycling of gold and silver from jewellery scraps and wastes**
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- II. **Kinetic modelling and optimization of flotation process of electrum**
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- V. **Influence of Pre Aeration on Cyanide Leaching of a Non Refractory Sulphide Gold and Silver Ore**

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- VI. **IMPROVEMENT OF MECHANICAL STRENGTH OF IRON ORE PELLETS USING RAW AND ACTIVATED BENTONITES AS BINDERS**
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- VIII. **Improvement of Mechanical Strength of Iron Ore Pellets Using Raw and Activated Bentonites as Binders**
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- IX. **Beneficiation of Arsenic Bearing Complex Sulfide Ore by Flotation**
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- X. **BENEFICIATION OF ARSENIC BEARING COMPLEX SULPHIDE ORE BY FLOTATION**
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- XI. **Beneficiation of the gold bearing ore by gravity and flotation**
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- XIV. **Use of Non toxic Depressants in the Selective Flotation of Copper Lead Zinc Ores**
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- XV. **The Role of Na₂S₂O₅ and Activated Carbon on the Selective Flotation of Chalcopyrite from a Copper ore Using a Dithiophosphine type Collector**
Gül A.
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- XVI. **Beneficiation of Colemanite Tailings by Attrition and Flotation**
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- XVII. **Recovery of Co Ni and Cu from the Tailings of Divriği Iron Ore Concentrator**
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- XIX. **Flotation of Aladağ Lead Zinc Ores**
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- XX. **Flotation of Aladağ oxide lead zinc ores**
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- XXI. **Flotation Behaviours of Microlite and Zircon**
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- XXII. **Leaching of Massive Rich Copper Ore with Acidified Ferric Chloride**
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Articles Published in Other Journals

- I. **Ein alternativer Verfahrensvorgang zum Aufbereiten eines armen Türkischen Kupfererzes aus Küre**
GÜL A., Kuyumcu H. Z., Önal G.
Aufbereitungs-Technik, 2003 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Cevher Hazırlama Tesislerinden Örnekler**
Bulut G., Gül A., Baştürkçü H.
in: Cevher Hazırlama El Kitabı, Önal, G., Ateşok, G., Perek, K.,T., Editor, Yurt Madenciliğini Geliştirme Vakfı, İstanbul, pp.579-600, 2014

Refereed Congress / Symposium Publications in Proceedings

- I. **The effect of Acid leaching and calcination on wollastonite purification**
GÜRKAN O. M., serdengeçti t., AYDIN Ş. B., GÜL A., BULUT G., KANGAL M. O.
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- II. **Optimization of flotation parameters for gold ore containing electrum**
aydın b., GÜL A.
17. Balkan Cevher Hazırlama Kongresi, Antalya, Turkey, 1 - 03 November 2017
- III. **Recycling of Gold and Silver by Leaching from Jewellery Slags**
aydın b., GÜL A.
IMPS 2016, 19 - 21 October 2016
- IV. **Evaluation of Leaching Parameters for Gold Ore Containing Electrum**
AYDIN B., BAŞTÜRKÇÜ H., GÜL A.
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- V. **Extraction of Gold and Silver from Bolkar Gold Plant Tailings**
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24th INTERNATIONAL MINING CONGRESS OF TURKEY, Antalya, Turkey, 14 - 17 April 2015, pp.1272-1276
- VI. **Flotation Performance of Şirnak Asphaltites in Conventional and Column Flotation System**
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- VII. **Beneficiation of a sulphide ore by flotation**
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- VIII. **The use of different types of bentonites as binding material for pelletizing iron concentrates**
Gül A., GULDAN G., Burat F.
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- IX. **The effect of non-toxic depressants in chalcopyrite flotation**

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XXV International Mineral processing Congress, Brisbane, Australia, 6 - 10 September 2010, pp.1899-1903

- X. **Use of impact crushing for the enrichment of low-grade colemanite concentrates**
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- XI. **Au-Ag Recovery with Flotation from Complex Ores**
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XIII Balkan Mineral Processing Congress, Bucharest, Romania, 14 - 17 June 2009, pp.172-177
- XII. **Recovery of metallic values from a complex sulphide ore**
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- XIII. **The Production of Industrial Products from Turkish Bentonites**
Boylu F., CINKU K., Bulut G., Benli B., Çetinel T., Can M. F., Karakaş F., Sirkeci A. A., Gül A., Ateşok H., et al.
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- XIV. **Flotation of Çadirkaya sulphide lead-zinc ore**
SIRKECI A. A., Gül A., Burat F., Arslan F., ONAL G.
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- XV. **Evaluation of Orhanlı-Turkey chromite concentration plant tailings**
Acarkan N., Arslan F., Gül A., Alpyıldız S., Burat F., GÜRKAN V., ONAL G.
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- XVI. **Gold Recovery by Gravity and Flotation**
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- XVII. **Development of a process flowsheet for nickel recovery from the chromite plant tailings**
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- XVIII. **Au-Ag Recovery from Complex Pb-Zn Ores**
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- XIX. **Oksitli Kurşun-Çinko Cevherinin Flotasyon ile Zenginleştirilmesi**
Kangal M. O., Bulut G., Gül A., Perek K. T., Arslan F.
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- XX. **Nickel and chromite recovery from Turkish chromite ore**
ONAL G., Arslan F., SIRKECI A. A., Gül A., YUCE A. E., Burat F., Alpyıldız S.
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- XXI. **Gold Recovery by Gravity Methods**
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- XXII. **Recovery of chromite and nickel from Aladağ (Adana) region chromite ore**
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- XXIII. **Flotation of iron ore processing plant tailings**
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- XXIV. **Beneficiation of copper slag**
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- XXV. **Gold Recovery from Different Type of Ores by Gravity Separation**
Gül A., KANGAL M. O., ÖNAL G.
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- XXVI. **Zonguldak Merkez Lavvarı ve Yeni Lavvar Alternatifleri**
Ateşok G., Güney A., ACARKAN N., Gül A., KANGAL M. O., KÖKKLIÇ O.
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- XXVII. **Pre-Concentration of Gold and Silver from Metallic Ores by Multi-Stage Gravity Separation before Flotation**
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- XXVIII. **Zonguldak Merkez Lavvarının Performans Etüdü ve Kozlu-Üzülmüş Bölgesi Kömürlerinin Kullanım Teknolojilerine Yönelik Zenginleştirme Özelliklerinin Tesbiti**
Ateşok G., Acarkan N., Güney A., Gül A., KANGAL M. O., Kökkılıç O.
Türkiye 19. Uluslararası Madencilik Kongresi ve Fuarı, IMCET2005, İzmir, Turkey, 9 - 12 June 2005, pp.335-345
- XXIX. **Upgrading of Gold and Silver from Metallic Ores by Gravity Method Before Flotation**
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- XXX. **A Novel Process to Recover Oxide Lead-Zinc Ores**
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International Seminar on Mineral Processing Technology (MPT-2005), Dhanbad, India, 6 - 08 January 2005, pp.3-9
- XXXI. **Gravity Concentration and Flotation Studies on Oxide Lead-Zinc Ores**
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Xth International Mineral Processing Symposium, İzmir, Turkey, 5 - 07 October 2004, pp.205-212
- XXXII. **Evaluation of Metallic Values from Ancient Slags**
Bulut G., Gül A., KANGAL M. O., ÖNAL G.
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- XXXIII. **Untersuchungen zur Gewinnung von Kupfer und Kobalt aus den Kupferschlacken in Küre/Türkei**
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- XXXIV. **Beneficiation of Chromites Having Different Mineralogical Structure**
Gül A., KANGAL M. O., Boylu F., Girgin Ş., Güney A., ÖNAL G.
X Balkan Mineral Processing Congress, Varna, Bulgaria, 15 - 20 June 2003, pp.12-17
- XXXV. **Beneficiation of Ancient Copper Slags**
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- XXXIX. **Cupric Chloride Leaching of Sulphidic Copper Ores**
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VI Southern Hemisphere Meeting on Minerals Technology, Rio De Janeiro, Brazil, 27 - 31 May 2001, pp.445-450
- XL. **Pilot Scale Calcination of Hekimhan-Deveci Siderite Ore and Its Usage**

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XLI. Upgrading of bulk concentrate of Murgul Flotation Plant by column flotation

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Supported Projects

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Gül A., Project Supported by Higher Education Institutions, recovery of metallic values from a complex sulphide ore, 2009 - 2018

Gül A., Project Supported by Higher Education Institutions, Farklı Bastırıcıların Murgul Bakır Cevherinin Selektif Flotasyonuna etkisi, 2008 - 2018

Gül A., Project Supported by Higher Education Institutions, Adana-Karsanti Bölgesi Düşük Tenörlü Krom Cevherlerinin Değerlendirilmesi, 2005 - 2018

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Gül A., Project Supported by Higher Education Institutions, Aktifleştirilmiş Bentonitlerin Demir Konsantrelerinin Peletlemede Bağlayıcı Olarak Kullanılması, 2007 - 2014

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Metrics

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