

Prof. TUBA TAŞDEMİR

Personal Information

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International Researcher IDs

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Research Areas

Size Reduction and Size Increasing of Solids, Refining and Purification, Benefication by Gravity, Dense-Medium, Magnetic and Electrostatic, Flotation and Flocculation, Dewatering, Chemical-Biological Winning Techniques and Mineral Processing

Academic Titles / Tasks

Professor, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, MADEN MÜHENDİSLİĞİ BÖLÜMÜ, 2024 - Continues

Associate Professor, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, MADEN MÜHENDİSLİĞİ BÖLÜMÜ, 2015 - 2024

Assistant Professor, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, MADEN MÜHENDİSLİĞİ BÖLÜMÜ, 2008 - 2015

Research Assistant, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, MADEN MÜHENDİSLİĞİ BÖLÜMÜ, 1997 - 2008

Academic and Administrative Experience

Internship Committee Member, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, MADEN MÜHENDİSLİĞİ BÖLÜMÜ, 2013 - 2020

Farabi Coordinator, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, MADEN MÜHENDİSLİĞİ BÖLÜMÜ, 2010 - 2020

Courses

Flokülasyon Araştırmaları, Undergraduate, 2022 - 2023

Wastewater Treatment, Undergraduate, 2021 - 2022

Advising Theses

Taşdemir T., Characterization of a copper flotation effluent and determination of optimum dewatering conditions, Postgraduate, B.AMARJARGAL(Student), 2020

TAŞDEMİR T., Flokülasyon ve flok-flotasyon yöntemleri ile doğaltaş atıksularının arıtılması, Postgraduate,

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Modeling and optimization of reagent dosages and pH for efficient floc-flotation of suspended particles in Jameson flotation cell by CCD**
Taşdemir T., Taşdemir A.
Journal of Water Process Engineering, vol.55, 2023 (SCI-Expanded)
- II. **A Comparative Study: Evaluation of Wastewater Suspensions Flocculation Performance Using Laboratory Graduated Cylinder and Jar Test Methods**
Amarjargal B., TAŞDEMİR T.
WATER AIR AND SOIL POLLUTION, vol.234, no.9, 2023 (SCI-Expanded)
- III. **Optimization of Mullite-Based Chamotte Production as a Result of Calcination of a Kaolin-Boron Waste Mixture by Response Surface Method and its Usability in Ceramic**
Bulut F., TAŞDEMİR T., Tatar İ.
Silicon, vol.15, no.13, pp.5711-5723, 2023 (SCI-Expanded)
- IV. **Optimization of floc-flotation process in the removal of suspended particles from wastewater in a Jameson cell using central composite design**
Taşdemir T., Taşdemir A.
Journal of Water Process Engineering, vol.52, 2023 (SCI-Expanded)
- V. **Improving Flocculation Performance of Copper Flotation Tailings by Conventional and New Technology Polymers**
Amarjargal B., TAŞDEMİR T.
Water, Air, and Soil Pollution, vol.234, no.2, 2023 (SCI-Expanded)
- VI. **DETERMINATION OF FLOCCULATION CHARACTERISTICS OF NATURAL STONE POWDER SUSPENSIONS IN THE PRESENCE OF DIFFERENT POLYMERS**
Basaran H. K., TAŞDEMİR T.
PHYSICOCHEMICAL PROBLEMS OF MINERAL PROCESSING, vol.50, no.1, pp.169-184, 2014 (SCI-Expanded)
- VII. **Fine particle removal from natural stone processing effluent by flocculation**
Tasdemir T., KURAMA H.
ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY, vol.32, no.2, pp.317-324, 2013 (SCI-Expanded)
- VIII. **Gas entrainment rate and flow characterization in downcomer of a Jameson cell**
TAŞDEMİR T., TAŞDEMİR A., Oteyaka B.
PHYSICOCHEMICAL PROBLEMS OF MINERAL PROCESSING, vol.47, pp.61-78, 2011 (SCI-Expanded)
- IX. **A Comparative Study on PSD Models for Chromite Ores Comminuted by Different Devices**
TAŞDEMİR A., TAŞDEMİR T.
PARTICLE & PARTICLE SYSTEMS CHARACTERIZATION, vol.26, pp.69-79, 2009 (SCI-Expanded)
- X. **The effect of particle size and some operating parameters in the separation tank and the downcomer on the Jameson cell recovery**
Tasdemir A., Tasdemir T., Oteyaka B.
MINERALS ENGINEERING, vol.20, no.15, pp.1331-1336, 2007 (SCI-Expanded)
- XI. **Air entrainment rate and holdup in the Jameson cell**
Tasdemir T., Oteyaka B., Tasdemir A.
MINERALS ENGINEERING, vol.20, no.8, pp.761-765, 2007 (SCI-Expanded)
- XII. **Removal of zinc cyanide from a leach solution by an anionic ion-exchange resin**
Kurama H., Catalsarik T.
Desalination, vol.129, no.1, pp.1-6, 2000 (SCI-Expanded)

Articles Published in Other Journals

- I. **Removal of Suspended Particles from Wastewater by Conventional Flotation and Floc-flotation**
TAŞDEMİR T., KILIÇ BAŞARAN H.
El-Cezeri Journal of Science and Engineering, vol.8, no.1, pp.421-431, 2021 (Scopus)
- II. **Floatability of suspended particles from wastewater of natural stone processing by floc-flotation in mechanical cell Mekanik flotasyon hücrelerinde flok-flotasyonu ile doğaltaş işleme atıksuyundan süspanse tanelerin yüzdürülmesi**
Taşdemir T., Başaran H. K.
El-Cezeri Journal of Science and Engineering, vol.7, no.2, pp.358-370, 2020 (Scopus)
- III. **Investigation of The Effectiveness of Some Flocculation Parameters by Using Quartz**
Taşdemir T., Taşdemir A.
El-Cezeri Journal of Science and Engineering, vol.5, no.3, pp.807-815, 2018 (Peer-Reviewed Journal)
- IV. **Removal of Fine Particles from Wastewater Using Induced Air Flotation**
TAŞDEMİR T., TAŞDEMİR A., GEÇGEL Y.
TOJSAT-The Online Journal of Science and Technology,, vol.1, no.3, pp.14-22, 2011 (Peer-Reviewed Journal)
- V. **Flokülasyon Yöntemi ile Atıksudan Askıda Tanelerin Giderimi**
TAŞDEMİR T., ERDEM V.
Eskişehir Osmangazi Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, vol.23, no.1, pp.109-121, 2010 (Peer-Reviewed Journal)
- VI. **Jameson Flotasyon Hücrelerinde Önemli Çalışma Parametrelerinin Hava Tutunumu ve Giren Hava Miktarlarına Etkileri**
TAŞDEMİR T., ÖTEYAKA B., TAŞDEMİR A.
Madencilik, vol.45, no.4, pp.11-18, 2006 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **Characterization of Tailing of A Copper Processing Plant and Sedimentation Analysis of Suspensions With Different Solid Ratio**
Amarjargal B., Taşdemir T.
Akdeniz 6. Uluslararası Uygulamalı Bilimler Kongresi, Adana, Turkey, 23 - 24 October 2021, pp.42-49
- II. **The Effect of Some Parameters on the Dewatering of a Copper Flotation Plant Tailing with Anionic Flocculant**
Amarjargal B., Taşdemir T.
Akdeniz 6. Uluslararası Uygulamalı Bilimler Kongresi, Adana, Turkey, 23 - 24 October 2021, pp.35-41
- III. **Effect of dual flocculant mixture on copper waste flocculation**
Taşdemir T., Amarjargal B.
6. Uluslararası GAP Matematik-Mühendislik -Fen ve Sağlık Bilimleri Kongresi, Şanlıurfa, Turkey, 26 - 27 June 2021, pp.276-282
- IV. **Effect on Solid Ratio on Flocculation**
Taşdemir T., Amarjargal B.
6. Uluslararası GAP Matematik-Mühendislik-fen ve sağlık Bilimleri Kongresi, Şanlıurfa, Turkey, 26 - 27 June 2021, pp.283-288
- V. **Central Composite Design for Wastewater Treatment by Floc-flocculation in Jameson Cell**
Taşdemir T., Taşdemir A.
4th International Conference on Engineering and Natural Science, Kyiv, Ukraine, 2 - 06 May 2018, pp.349
- VI. **Some Factors Affecting Flocculation Properties of Fine Quartz Particles**
TAŞDEMİR T., TAŞDEMİR A.
International Conference on Engineering and Natural Science, 3 - 07 May 2017, pp.414
- VII. **Determination of the Effects of Operating Parameters on the Residual Turbidity of Quartz Suspensions by Design of Experiments**
TAŞDEMİR A., TAŞDEMİR T.

International Conference on Engineering and Natural Science, ICENS2015, Üsküp, Macedonia, 15 - 19 May 2015, vol.446

VIII. Effect of Mixing Conditions on Flocculation

TAŞDEMİR T., TAŞDEMİR A.

XIIIth International Mineral Processing Symposium, Bodrum, Turkey, 10 - 12 October 2012

IX. Usage of Box-Behnken Experimental Design for the Flocculation of Quartz Suspensions

TAŞDEMİR A., TAŞDEMİR T., KILIÇ H.

XIV Balkan Mineral Processing Congress, Tuzla, Bosnia And Herzegovina, 14 - 16 June 2011, pp.250-256

X. Mermer İşleme Tesisi Atık Sularına Flokülasyon ve Koagülasyon Yöntemlerinin Uygulanması

TAŞDEMİR T., TAŞDEMİR A.

4. Madencilik ve Çevre Sempozyumu, İzmir, Turkey, 2 - 03 June 2011, pp.293-299

XI. Box-Behnken Deney Tasarımıyla Doğaltaş İşleme Tesisi Atıksularında Flokülasyon İşleminin Değerlendirilmesi

TAŞDEMİR T., TAŞDEMİR A., KAKABAYEV H.

Türkiye 22 Uluslararası Madencilik Kongresi ve Sergisi, Ankara, Turkey, 11 - 13 May 2011, pp.309-315

XII. Removal of Fine Particles from Wastewater Using Induced Air Flotation

TAŞDEMİR T., TAŞDEMİR A., GEÇGEL Y.

International Science and Technology Conference, Magosa, Cyprus (Kktc), 27 - 29 October 2010, pp.606-612

XIII. Jameson Flotasyon Hücresinin Atıksu Arıtımında Kullanımı

TAŞDEMİR T.

3. Madencilik ve Çevre Sempozyumu, Turkey, 11 June - 12 September 2009, pp.201-205

XIV. The role of nozzle and downcomer diameter in Jameson Cell

ÖTEYAKA B., BİLİR K., TAŞDEMİR T., GÜRSOY Y. H., TAŞDEMİR A., KASAP Y.

9th International Mineral Processing Symposium, 18 - 20 September 2002, vol.1, pp.138-140

XV. The Recovery of Zinc and Cyanide from Recycled Water by Using Acidification-Filtration-Reneutralization (AFR) Process

TAŞDEMİR T., KURAMA H.

7th International Mineral Processing Symposium, 15 - 17 September 1998, pp.843-847

Supported Projects

TAŞDEMİR T., Amarjargal B., Project Supported by Higher Education Institutions, Bir bakır flotasyon tesisi atığının karakterizasyonu ve optimum susuzlandırma koşullarının belirlenmesi, 2021 - 2022

Taşdemir T., Bulut F., Tatar İ., TUBITAK Project, Kaolin-Bor atığı karışımının kalsinasyonu sonucu mullit bazlı şamot üretimi ve seramikte kullanılabilirliği, 2016 - 2017

Taşdemir T., Project Supported by Higher Education Institutions, Atıksulardaki Askıda İnce Tanelerin Uzaklaştırılmasında Jameson Flotasyon Hücresinin Uygulanması, 2008 - 2012

Metrics

Publication: 33

Citation (WoS): 97

Citation (Scopus): 120

H-Index (WoS): 6

H-Index (Scopus): 7