

## Prof. TUBA TAŞDEMİR

### Personal Information

Office Phone: [+90 222 239 3750](tel:+902222393750) Extension: 3431

Web: <https://avesis.ogu.edu.tr/tubat>

### International Researcher IDs

ORCID: 0000-0001-7817-1182

Yoksis Researcher ID: 171802

### 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 hücresinde 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 Hücresinde 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., Bilir K., Taşdemir T., Gürsoy Y. H., Taşdemir A., Kasap Y.

9th International Mineral Processing Symposium, Nevşehir, Turkey, 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