

Asst. Prof. MERYEM GÖKTAŞ

Personal Information

Office Phone: [+90 228 214 1578](tel:+902282141578)

Email: meryem.goktas@bilecik.edu.tr

Web: <https://avesis.bilecik.edu.tr/meryem.goktas>

International Researcher IDs

ScholarID: pi9V3TkAAAAJ

ORCID: 0000-0003-1583-8300

ScopusID: 55696837400

Yoksis Researcher ID: 39148

Education Information

Doctorate, Inonu University, Fen Bilimleri Enstitüsü, Cevher Hazırlama (Dr), Turkey 2007 - 2013

Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Cevher Hazırlama (YI) (Tezli), Turkey 2003 - 2007

Undergraduate, Inonu University, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, Turkey 1999 - 2003

Dissertations

Doctorate, Mermer sanayi atıklarından yapay kalsiyum silikat üretiminde aşırı öğütmenin etkilerinin seramik malzemeler üzerinde araştırılması, Inonu University, Fen Bilimleri Enstitüsü, Cevher Hazırlama (Dr), 2013

Postgraduate, Manisa-Turgutlu-Çaldağ nikel ham cevherinin yapısal özelliklerinin ve bunlara dayalı zenginleştirilebilirliğinin araştırılması, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Cevher Hazırlama (YI) (Tezli), 2007

Research Areas

Mining Engineering and Technology, Chemical-Biological Winning Techniques and Mineral Processing

Academic and Administrative Experience

Bilecik Seyh Edebali University, 2019 - 2019

Bilecik Seyh Edebali University, 2014 - 2014

Courses

Kimyasal Metalurji, Postgraduate, 2018 - 2019

İş Sağlığı ve Güvenliği, Associate Degree, 2018 - 2019

Demir Çelik Üretimi, Associate Degree, 2018 - 2019

İleri Sinterleme Teknikleri, Postgraduate, 2018 - 2019

Bilim ve Yaşam, Associate Degree, 2018 - 2019

Araştırma Teknikleri ve Seminer, Associate Degree, 2018 - 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Effect of solid/ball ratio and grinding time on the mechanical activation of kaolin**
Göktaş M.
Sadhana - Academy Proceedings in Engineering Sciences, vol.48, no.4, 2023 (SCI-Expanded)
- II. **The green synthesis of carbon quantum dots (CQDs) and characterization of polycaprolactone (PCL/CQDs) films**
Mindivan F., GÖKTAŞ M.
Colloids and Surfaces A: Physicochemical and Engineering Aspects, vol.677, 2023 (SCI-Expanded)
- III. **Application of graphene-based adsorbents in the treatment of dye-contaminated wastewater; kinetic and isotherm studies**
MİNDİVAN F., GÜL Ü. D., GÖKTAŞ M.
Journal of Vinyl and Additive Technology, vol.27, no.3, pp.485-496, 2021 (SCI-Expanded)
- IV. **Mechanical, thermal, and micro- and nanostructural properties of polyvinyl chloride/graphene nanoplatelets nanocomposites**
MİNDİVAN F., GÖKTAŞ M., Dike A. S.
Polymer Composites, vol.41, no.9, pp.3707-3716, 2020 (SCI-Expanded)
- V. **Rosehip-Extract-Assisted Green Synthesis and Characterization of Reduced Graphene Oxide**
MİNDİVAN F., GÖKTAŞ M.
ChemistrySelect, vol.5, no.29, pp.8980-8985, 2020 (SCI-Expanded)
- VI. **Preparation of new PVC composite using green reduced graphene oxide and its effects in thermal and mechanical properties**
Mindivan F., Göktaş M.
Polymer Bulletin, vol.77, no.4, pp.1929-1949, 2020 (SCI-Expanded)
- VII. **Effects of various Vitamin C amounts on the green synthesis of reduced graphene oxide**
MİNDİVAN F., GÖKTAŞ M.
Materialprüfung/Materials Testing, vol.61, no.10, pp.1007-1011, 2019 (SCI-Expanded)

Articles Published in Other Journals

- I. **Effect of over grinding on the thermal behavior of kaoline of Bilecik/Söğüt region**
GÖKTAŞ M.
Niğde Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, vol.12, no.3, pp.990-997, 2023 (Peer-Reviewed Journal)
- II. **Dispersion of Graphene Using cetyltrimethylammonium bromide (CTAB): Dye Removal and Characterization Studies**
MİNDİVAN F., GÖKTAŞ M., GÜL Ü. D.
SAKARYA UNIVERSITY JOURNAL OF SCIENCE, vol.25, no.2, pp.299-308, 2021 (Peer-Reviewed Journal)
- III. **Characterization of Graphene Oxide and Sea Shell Reinforced Polyvinyl Chloride Hybrid Composites**
GÖKTAŞ M., MİNDİVAN F.
Avrupa Bilim ve Teknoloji Dergisi, vol.0, no.20, pp.685-692, 2020 (Peer-Reviewed Journal)
- IV. **Effect of reduced graphene oxide amount on the tribological properties of UHMWPE biocomposites under water-lubricated conditions**
Çolak A., GÖKTAŞ M., MİNDİVAN F.
SN Applied Sciences, vol.2, no.3, 2020 (ESCI)
- V. **DRY WEAR STUDIES ON REDUCED GRAPHENE OXIDE FILLED UHMWPE COMPOSITES**
MİNDİVAN F., GÖKTAŞ M., ÇOLAK A.

PROCEEDINGS ON ENGINEERING SCIENCES, vol.1, no.1, pp.681-686, 2019 (Scopus)

- VI. **İndirgenmiş Grafen Oksit Katkılı UHMWPE Kompozitin Kuru ve Sulu Ortamlarda Aşınma Davranışlarının Karşılaştırılması**
ÇOLAK A., MİNDİVAN F., GÖKTAŞ M.
Nevşehir Bilim ve Teknoloji Dergisi, vol.8, pp.12-20, 2019 (Peer-Reviewed Journal)
- VII. **Comparison of Two Different Ultrasonic Devices (Ultrasonic Bath and Ultrasonication) Used in Synthesis of Reduced Graphene Oxide**
GÖKTAŞ M., MİNDİVAN F.
The International Journal of Engineering and Science (IJES), vol.7, no.8, pp.75-79, 2018 (Peer-Reviewed Journal)
- VIII. **Mechanical activation applications in mineral processing Cevher hazırlamada mekanik aktivasyon uygulamaları**
GÖKTAŞ M.
Scientific Mining Journal, vol.57, no.1, pp.57-66, 2018 (Scopus)
- IX. **CEVHER HAZIRLAMADA MEKANİK AKTİVASYON UYGULAMALARI**
GÖKTAŞ M.
Scientific Mining Journal, vol.57, no.1, pp.57-66, 2018 (Scopus)
- X. **THE DETERMINATION OF LEACHING PARAMETERS IN LATERITIC NICKEL ORE BENEFICATION**
GÖKTAŞ M., ERDEMOĞLU M., CÖCEN E. İ.
Journal of Ore Dressing, vol.17, no.33, pp.15-20, 2015 (Peer-Reviewed Journal)
- XI. **Aşırı Öğütme İle Mekanik Olarak Aktifleştirilmiş Atık Mermer Tozları Kullanarak Yapay Vollaştonit Üretimi ve Kullanımı**
GÖKTAŞ M., ERDEMOĞLU M.
MADENCİLİK MADEN MUHENDİSLERİ ODASI DERGİSİ, vol.54, no.1-2, pp.39-44, 2014 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Mermer artıklarından katma değeri yüksek ileri seramik tozların üretimi**
ERDEMOĞLU M., GÖKTAŞ M.
in: Mermer Madenciliğinde Çevresel Yaklaşımlar, Prof. Dr. Taki Güler, Ercan Polat, Editor, Muğla Büyükşehir Belediyesi, pp.235-252, 2018

Refereed Congress / Symposium Publications in Proceedings

- I. **BİYOBOZUNUR KARBON NANOTÜP NANOKOMPOZİT FİLMLEİN HAZIRLANMASI VE KARAKTERİZASYONU**
MİNDİVAN F., GÖKTAŞ M.
2. INTERNATIONAL PARIS CONGRESS ON MEDICAL & HEALTH SCIENCES, Paris, France, 24 - 26 October 2023
- II. **POLİKAPROLAKTON (PCL)/ KARBON NANOTÜP (CNT) NANOKOMPOZİT FİLMLEİN BİYOBOZUNURLUK DAVRANIŞLARI**
MİNDİVAN F., GÖKTAŞ M.
2. INTERNATIONAL PARIS CONGRESS ON MEDICAL & HEALTH SCIENCES, Paris, France, 24 - 26 October 2023
- III. **Improvement of surface areas by mechanochemical synthesis of clay minerals**
GÖKTAŞ M.
3th International Congress of Engineering and Natural Sciences Studies (ICENSS-2023), Ankara, Turkey, 25 May 2023, pp.146
- IV. **The Mechanochemical Synthesis of Clay Minerals by Planetary Ball Mills with High Energy Density**
GÖKTAŞ M.
3th International Congress of Engineering and Natural Sciences Studies (ICENSS-2023), Ankara, Turkey, 25 May 2023

- V. **BİLECİK-SÖĞÜT BÖLGESİ KAOLİNİNİN MEKANİK AKTİVASYONUNUN ARAŞTIRILMASI**
TURAN C., GÖKTAŞ M.
VI. ULUSLARARASI BATTALGAZİ BİLİMSEL ÇALIŞMALAR KONGRESİ, Malatya, Turkey, 08 May 2021, pp.66-67
- VI. **Green synthesis of graphane using rosehip extract.**
MİNDİVAN F., GÖKTAŞ M., ÜNAL D.
3RD INTERNATIONAL EURASIAN CONFERENCE ON BIOLOGICAL AND CHEMICAL SCIENCES, Turkey, 19 March 2020, pp.558-363
- VII. **Decolorization of dye contaminated solutions by reduced graphene oxide (RGO) and cetyltrimethylammonium bromide (CTAB)- RGO composites**
MİNDİVAN F., GÖKTAŞ M., GÜL Ü. D.
3RD INTERNATIONAL EURASIAN CONFERENCE ON BIOLOGICAL AND CHEMICAL SCIENCES, 19 - 20 March 2020
- VIII. **Production and characterization of graphene/PVC biocomposite from seashell wastes**
MİNDİVAN F., GÖKTAŞ M.
3rd International Conference on Materials and Environmental Science, ICMES 2019, Aghadir, Morocco, 18 - 19 December 2019, vol.27, pp.3119-3123
- IX. **EFFECT OF REDUCED GRAPHENE OXIDE AMOUNT ON THE TRIBOLOGICAL PROPERTIES OF UHMWPE BIOCOPPOSITES UNDER WATER-LUBRICATED CONDITIONS**
ÇOLAK A., MİNDİVAN F., GÖKTAŞ M.
5th International Conference on Engineering Sciences(ICES2019), 19 September 2019
- X. **İndirgenmiş Grafen Oksit Katkılı UHMWPE Kompozitin Kuru ve Sulu Ortamlarda Aşınma Davranışlarının Karşılaştırılması**
ÇOLAK A., MİNDİVAN F., GÖKTAŞ M.
The International Conference on Materials Science, Mechanical and Automotive Engineerings and Technology, 21 - 23 June 2019
- XI. **DRY WEAR STUDIES ON REDUCED GRAPHENE OXIDE FILLED UHMWPE COMPOSITES**
MİNDİVAN F., GÖKTAŞ M., ÇOLAK A.
16th International Conference onTribology (SERBIATRIB'xx19), 15 - 17 May 2019
- XII. **TÜRK SERAMİK SEKTÖRÜ İHRACATINDA MARKALAŞMA**
ALKARA İ., GÖKTAŞ M., ARICI A., YAYLA T.
IV. INTERNATIONAL ACADEMIC RESEARCH CONGRESS, 30 October - 03 November 2018
- XIII. **AVRUPAYA YAPILAN SERAMİK SEKTÖRÜ İHRACATINDA AVANTAJ VE DEZAVANTAJLARIN ANALİZİ**
GÖKTAŞ M., ALKARA İ., YAYLA T., ARICI A.
IV. INTERNATIONAL ACADEMIC RESEARCH CONGRESS, 30 October - 03 November 2018
- XIV. **COMPERATIVE EFFECTS OF HYDRAZINE HYDRATE AND VITAMIN C ON REDUCTION REACTION OF GRAPHENE OXIDE (GO)**
MİNDİVAN F., GÖKTAŞ M.
BILMES 2018, Nevşehir, Turkey, 5 - 08 July 2018
- XV. **INFLUENCE OF PH VALUES ON REDUCTION REACTION OF GRAPHENE OXIDE**
MİNDİVAN F., GÖKTAŞ M.
BILMES CONGRESS 2018, Nevşehir, Turkey, 5 - 08 July 2018
- XVI. **GREEN SYNTHESIS AND CHARACTERIZATION OF MODIFIED GRAPHENE OXIDE**
MİNDİVAN F., GÖKTAŞ M.
The Internatinoal Conference on Materials Science Mechanical and Automation Engineerings and Technology (IMSMATEC'18), 10 - 12 April 2018
- XVII. **PREPARATION OF REDUCED GRAPHENE OXIDE WITH HIGH SURFACE AREA**
MİNDİVAN F., GÖKTAŞ M., MİNDİVAN H.
The Internatinoal Conference on Materials Science Mechanical and Automation Engineerings and Technology (IMSMATEC'18), 10 - 12 April 2018
- XVIII. **AŞIRI İNCE ÖĞÜTÜLMÜŞ MİNERALLERİN KARAKTERİZASYONU VE TERMAL ANALİZİ**
GÖKTAŞ M.
II.INTERNATIONAL ACADEMIC RESEARCH CONGRESS, Alanya/Antalya, Turkey, 18 - 21 October 2017, pp.630

- XIX. **MEKANİK AKTİVASYON İŞLEMLERİNDE KULLANILAN DEĞİRMEN TİPLERİ VE ÇALIŞMA PRENSİPLERİ**
MILLING TYPE AND OPERATING PRINCIPLES USED IN MECHANICAL ACTIVATION PROCESSES
GÖKTAŞ M.
II. INTERNATIONAL ACADEMIC RESEARCH CONGRESS, Alanya/Antalya, Turkey, 18 - 21 October 2017, pp.652
- XX. **AŞIRI İNCE ÖĞÜTME DEĞİRMENLERİNİN CEVHER HAZIRLAMADAKİ KULLANIMI USE IN**
OREDRESSING OF ULTRA-FINE GRINDING MILLS
GÖKTAŞ M.
II. INTERNATIONAL ACADEMIC RESEARCH CONGRESS, Alanya/Antalya, Turkey, 18 - 21 October 2017, pp.628
- XXI. **İscehisar Mermer Toz Atıklarının Çevresel Olumsuz Etkilerinin Katma Değeri Yüksek Seramik**
Malzemelerin Üretiminde Kullanılarak Azaltılması
GÖKTAŞ M., ERDEMOĞLU M.
International Symposium on Mining and Environment, Muğla Bodrum, 27 - 29 September 2017
- XXII. **ÇEŞİTLİ MADENSEL ATIKLARIN SERAMİK BÜNYELERDE DEĞERLENDİRİLEBİLME OLANAKLARININ**
ARAŞTIRILMASI
GÖKTAŞ M.
International Symposium On Mining and Environment, Bodrum/Muğla, Turkey, 27 - 29 September 2017, pp.935-946
- XXIII. **GREEN SYNTHESIS OF REDUCED GRAPHENE OXIDE (RGNO) /POLYVINYLCHLORIDE (PVC)**
COMPOSITES AND THEIR STRUCTURAL CHARACTERIZATION
MİNDİVAN F., GÖKTAŞ M.
5th INTERNATIONAL CONFERENCE ON POWDER METALLURGY ADVANCED MATERIALS (RoPM-AM2017), Cluj-Napoca, Romania, 17 - 20 September 2017
- XXIV. **MEKANOKİMYASAL SÜREÇLERDE MEKANİK AKTİVASYON**
GÖKTAŞ M.
2 INTERNATIONAL CONGRESS ON ENGINEERING ARCHITECTURE AND DESIGN, Kocaeli, Turkey, 12 - 13 May 2017, pp.164
- XXV. **CEVHER HAZIRLAMA MADENCİLİĞİNDE İŞ SAĞLIĞI VE İŞÇİ GÜVENLİĞİ**
GÖKTAŞ M.
2 INTERNATIONAL CONGRESS ON ENGINEERING ARCHITECTURE AND DESIGN, Kocaeli, Turkey, 12 - 13 May 2017, pp.115
- XXVI. **Yozgat İli Madencilik Faaliyetlerinin Çevre Üzerine Etkilerinin Araştırılması**
GÖKTAŞ M.
Uluslararası Bozok Sempozyumu, Yozgat, Turkey, 5 - 07 May 2016, vol.4, pp.56-62
- XXVII. **ÖRGÜN ÖĞRENCİLERİN HÜKÜMLÜ ÖĞRENCİLERE YÖNELİK GELİŞTİRDİKLERİ METAFORLAR**
GÖKTAŞ M.
1st International Academic Research Congress, Antalya, Turkey, 3 - 05 November 2016, vol.1, pp.91
- XXVIII. **MESLEK YÜKSEKOKULLARINDA TEKNİK EĞİTİMİN YETERLİLİĞİNE VE GELECEĞİNE İLİŞKİN**
TARTIŞMA DOĞAL YAPI TAŞLARI TEKNOLOJİSİ PROGRAMI ÖRNEĞİ
GÖKTAŞ M.
1st. International Academic Research Congress, Antalya, Turkey, 3 - 05 November 2016, vol.1
- XXIX. **Cezaevinde Kalan Hükümlü Öğrencilerin Akademik Başarılarının Değerlendirilmesi Bilecik Şeyh**
Edebali Üniversitesi Bozüyük MYO Örneği
GÖKTAŞ M.
UMYOS'15, Turkey, 21 - 23 May 2015, vol.1, pp.2341-2349
- XXX. **Mermer İşletmeciliğinin Çevresel Etkilerinin Araştırılması**
GÖKTAŞ M.
1.Ulusal Çevre Kongresi, Turkey, 22 - 25 November 2015
- XXXI. **Cevher Hazırlama ve Zenginleştirme Madenciliğinin Çevreye Etkileri**
GÖKTAŞ M.
1.Ulusal Çevre Kongresi, Turkey, 22 - 25 November 2015, pp.19
- XXXII. **Utilisation of Pyrophyllite in Ceramic Body and Glaze Recipes**

Mutlu H. S., Göktaş M., Uysal T., Erdemoğlu M.

16. Ulusal Kil Sempozyumu, Çanakkale, Turkey, 2 - 05 September 2015

XXXIII. Beneficiation of lateritic Ni Co ore from Manisa Çaldağ Turkey

GÖKTAŞ M., ERDEMOĞLU M., CÖCEN E. İ.

XVII Balkan Mineral Processing Congress, Belgrade, Serbia, 17 June - 19 May 2015, vol.2, pp.801-806

XXXIV. Mermer Sanayi Atık Çamurlarından Yapay Kalsiyum Silikat Üretimi

GÖKTAŞ M., ERDEMOĞLU M.

1.Ulusal Geri Kazanım Kongre ve Sergisi, Turkey, 2 - 04 May 2012, vol.1

XXXV. Utilization of Synthetic Wollastonite produced from Mechanically Activated Waste Marble Powders

GÖKTAŞ M., ERDEMOĞLU M.

International Mineral Processing Symposium 2014, 15 - 17 October 2014

**XXXVI. Mechanical activation of synthetic wollastonite (CaSiO₃) production Yapay wollastonit (CaSiO₃)
üretiminin mekanik aktivasyonu**

GÖKTAŞ M., Şener M., ERDEMOĞLU M.

23rd International Mining Congress and Exhibition of Turkey, IMCET 2013, Antalya, Turkey, 16 - 19 April 2013,
vol.1, pp.261-266