

## Prof. HİKMET SİS

### Personal Information

**Office Phone:** [+90 422 377 4813](tel:+904223774813)

**Fax Phone:** [+90 422 341 0046](tel:+904223410046)

**Email:** [hikmet.sis@inonu.edu.tr](mailto:hikmet.sis@inonu.edu.tr)

**Other Email:** [hikmetsis23@gmail.com](mailto:hikmetsis23@gmail.com)

**Web:** <https://www.inonu.edu.tr/akademik/hikmet.sis>

**Address:** İnönü Üniversitesi, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 44280 Malatya

### International Researcher IDs

ScholarID: 6Zfw8NIAAAAJ

ORCID: 0000-0001-8840-5448

Publons / Web Of Science ResearcherID: G-9971-2014

ScopusID: 6603159724

Yoksis Researcher ID: 9185

### Education Information

Post Doctorate, Lulea Tekniska Universitet (Lulea University of Technology), Sustainable Engineering, Mineral Processing, Sweden 2011 - 2011

Doctorate, Pennsylvania State University University College Park Campus, College Of Earth And Minerals Sciences, Mineral Processing, United States Of America 1995 - 2001

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Maden Mühendisliği, Turkey 1993 - 1995

Undergraduate, Hacettepe University, Mühendislik Fakültesi, Maden Mühendisliği, Turkey 1984 - 1990

### Foreign Languages

English, C1 Advanced

### Certificates, Courses and Trainings

Foreign Language, Hazırlık sınıfı, Hacettepe Üniversitesi, 1984

### Dissertations

Doctorate, Enhancing Flotation Recovery of Phosphate Ores Using Nonionic Surfactants, Pennsylvania State University University College Park Campus, Energy And Geo-Environmental Engineering , Mineral Processing, 2001

Postgraduate, Comparison of Ionizing and Non-ionizing Collectors for the Flotation of Zonguldak Coal Fines, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Graduate School Of Natural And Applied Sciences, 1995

## Research Areas

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

## Academic Titles / Tasks

Professor, Inonu University, Mühendislik Fakültesi, Maden Mühendisliği, 2015 - Continues  
Associate Professor, Inonu University, Mühendislik Fakültesi, Maden Mühendisliği, 2010 - 2015  
Assistant Professor, Inonu University, Mühendislik Fakültesi, Maden Mühendisliği, 2003 - 2010  
Research Assistant PhD, Inonu University, Mühendislik Fakültesi, Maden Mühendisliği, 2001 - 2003  
Research Assistant, Inonu University, Mühendislik Fakültesi, Maden Mühendisliği, 1991 - 2001

## Academic and Administrative Experience

Inonu University, Mühendislik Fakültesi, 2015 - Continues  
Inonu University, Mühendislik Fakültesi, Maden Mühendisliği, 2013 - Continues  
Inonu University, Fen Ve Mühendislik Alanları, 2008 - 2014  
Inonu University, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2008 - 2014  
Inonu University, Hekimhan Meslek Yüksek Okulu, 2008 - 2011

## Courses

FLOTASYON, Undergraduate, 2021-2022  
MESLEKİ İNGİLİZCE, Undergraduate, 2021-2022  
İNCE TANE KARAKTERİZASYONU VE TEKNOLOJİSİ, Undergraduate Minor, 2021-2022  
CEVHER HAZIRLAMADA KOLLOİD KİMYAS, Undergraduate Double Major, 2021-2022  
İNCE TANE KARAKTERİZASYONU VE TEKNOLOJİSİ, Undergraduate Minor, 2020-2021  
CEVHER HAZIRLAMADA KOLLOİD KİMYASI, Undergraduate Double Major, 2020-2021  
TERMODİNAMİK, Undergraduate, 2020-2021  
FLOTASYON, Undergraduate, 2020-2021  
FLOTASYON, Undergraduate, 2019-2020  
TERMODİNAMİK, Undergraduate, 2019-2020  
KATI-SIVI SİSTEMLERİNİN DİNAMİKLERİ, Undergraduate Minor, 2019-2020  
CEVHER HAZIRLAMADA ARAYÜZEY OLAYLARI, Undergraduate, 2019-2020  
CEVHER HAZIRLAMADA KOLLOİD KİMYASI, Undergraduate Double Major, 2019-2020  
CEVHER HAZIRLAMA TESİS TASARIMI, Undergraduate, 2019-2020  
FLOTASYON, Undergraduate, 2018-2019  
TEKNİK İNGİLİZCE, Undergraduate, 2018-2019  
TERMODİNAMİK, Undergraduate, 2018-2019  
CEVHER HAZIRLAMA LAB I, Undergraduate, 2018-2019  
CEVHER HAZIRLAMADA KOLLOİD KİMYASI, Undergraduate Double Major, 2018-2019  
CEVHER HAZIRLAMA LAB. II, Undergraduate, 2018-2019  
CEVHER HAZIRLAMADA ARAYÜZEY OLAYLARI, Undergraduate Double Major, 2018-2019  
FLOTASYON, Undergraduate, 2017-2018  
CEVHER HAZIRLAMA LAB I, Undergraduate Double Major, 2017-2018  
MESLEKİ İNGİLİZCE I, Undergraduate Double Major, 2017-2018

CEVHER HAZIRLAMA LAB. II, Undergraduate, 2017-2018  
CEVHER HAZIRLAMADA KOLLOİD KİMYASI, Undergraduate Double Major, 2017-2018  
Termodinamik, Undergraduate, 2016 - 2017  
TERMODİNAMİK, Undergraduate, 2017-2018  
TERMODİNAMİK, Undergraduate, 2016-2017  
MESLEKİ İNGİLİZCE I, Undergraduate, 2016-2017  
Flotasyon, Undergraduate, 2016 - 2017  
CEVHER HAZIRLAMADA KOLLOİD KİMYASI, Undergraduate Double Major, 2016-2017  
FLOTASYON, Undergraduate, 2016-2017  
İNCE TANE KARAKTERİZASYONU VE TEKNOLOJİSİ, Undergraduate Minor, 2016-2017  
CEVHER HAZIRLAMA LAB I, Undergraduate, 2016-2017  
CEVHER HAZIRLAMA LAB. II, Undergraduate, 2016-2017  
CEVHER HAZIRLAMADA KOLLOİD KİMYASI, Undergraduate Double Major, 2015-2016  
TERMODİNAMİK, Undergraduate, 2015-2016  
TEKNİK İNGİLİZCE, Undergraduate, 2015-2016  
MESLEKİ İNGİLİZCE I, Undergraduate, 2015-2016  
CEVHER HAZIRLAMA LAB I, Undergraduate, 2015-2016  
CEVHER HAZIRLAMA LAB. II, Undergraduate, 2015-2016  
FLOTASYON, Undergraduate, 2015-2016  
TERMODİNAMİK, Undergraduate, 2014-2015  
CEVHER HAZIRLAMADA KOLLOİD KİMYASI, Undergraduate Double Major, 2014-2015  
TEKNİK İNGİLİZCE, Undergraduate, 2014-2015  
CEVHER HAZIRLAMADA ARAYÜZEY OLAYLARI, Undergraduate Double Major, 2014-2015  
CEVHER HAZIRLAMA LAB. II, Undergraduate, 2014-2015  
CEVHER HAZIRLAMA LAB I, Undergraduate, 2014-2015  
FLOTASYON, Undergraduate, 2014-2015  
KATI-SIVI SİSTEMLERİNİN DİNAMİKLERİ, Undergraduate Double Major, 2013-2014  
CEVHER HAZIRLAMADA KOLLOİD KİMYASI, Undergraduate Double Major, 2013-2014  
CEVHER HAZIRLAMADA ARAYÜZEY OLAYLARI, Undergraduate Double Major, 2013-2014  
TERMODİNAMİK, Undergraduate, 2013-2014  
FLOTASYON, Undergraduate, 2013-2014  
CEVHER HAZIRLAMA LAB. II, Undergraduate, 2013-2014  
CEVHER HAZIRLAMA LAB I, Undergraduate, 2013-2014  
TEKNİK İNGİLİZCE, Undergraduate, 2013-2014  
İNCE TANE KARAKTERİZASYONU VE TEKNOLOJİSİ, Undergraduate Minor, 2013-2014  
TERMODİNAMİK, Undergraduate, 2012-2013  
İNCE TANE KARAKTERİZASYONU VE TEKNOLOJİSİ, Undergraduate Minor, 2012-2013  
KATI-SIVI SİSTEMLERİNİN DİNAMİKLERİ, Undergraduate Double Major, 2012-2013  
CEVHER HAZIRLAMADA ARAYÜZEY OLAYLARI, Undergraduate Double Major, 2012-2013  
FLOTASYON, Undergraduate, 2012-2013

## **Jury Memberships**

Associate Professor Exam, Associate Professor Exam, Inonu University, September, 2020  
Doctorate, Doctorate, İnönü Üniversitesi, April, 2020  
Post Graduate, Post Graduate, İnönü Üniversitesi, June, 2019  
Post Graduate, Post Graduate, İnönü Üniversitesi, June, 2019  
Post Graduate, Post Graduate, İnönü Üniversitesi, June, 2019  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Inonu University, May, 2017  
Associate Professor Exam, Doçentli sözlü sınavı, YÖK-ÜAK, February, 2017

Doctorate, Doktora tez savunması, İnönü Üniversitesi, January, 2017  
Post Graduate, Post Graduate, İnönü Üniversitesi, December, 2016  
Post Graduate, Yüksek lisans tezi savunması, Dokuz Eylül Üniversitesi, July, 2016  
Doctoral Examination, Doktora yeterlilik sınavı, Cumhuriyet Üniversitesi, February, 2016  
Doctorate, Doktora tezi savunması, İnönü Üniversitesi, December, 2015  
Doctorate, Doktora tez savunması, İnönü Üniversitesi, June, 2015

## **Published journal articles indexed by SCI, SSCI, and AHCI**

- I. **Investigating acid mine drainage potential and alteration properties of Zn-Pb wastes from Görgü (Malatya, Türkiye) region**  
Sis H., Başaran B.  
PHYSICOCHEMICAL PROBLEMS OF MINERAL PROCESSING, vol.59, no.5, pp.1-15, 2023 (SCI-Expanded)
- II. **A Process Mineralogy Approach to the Flotation of Complex Lead-Zinc Ores from Gorgu (Malatya) Region**  
Altinisik C. Y., CEBECİ Y., SİS H., KALENDER L.  
MINING METALLURGY & EXPLORATION, vol.39, no.3, pp.1219-1232, 2022 (SCI-Expanded)
- III. **Investigating dissolution of colemanite in sulfuric acid solutions by particle size measurements**  
SİS H., Bentli I., DEMİRKIRAN N., Ekmekyapar A.  
SEPARATION SCIENCE AND TECHNOLOGY, vol.54, no.8, pp.1353-1362, 2019 (SCI-Expanded)
- IV. **Dissolution kinetics of colemanite in HCl solutions by measuring particle size distributions**  
SİS H., Bentli I., DEMİRKIRAN N., Ekmekyapar A.  
SEPARATION SCIENCE AND TECHNOLOGY, vol.53, no.1, pp.198-205, 2018 (SCI-Expanded)
- V. **Wetting and rheological characteristics of hydrophobic organic pigments in water in the presence of non-ionic surfactants**  
SİS H., BİRİNCİ M.  
COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, vol.455, pp.58-66, 2014 (SCI-Expanded)
- VI. **Removal of heavy metal ions from aqueous medium using Kuluncak (Malatya) vermiculites and effect of precipitation on removal**  
SİS H., UYSAL T.  
APPLIED CLAY SCIENCE, vol.95, pp.1-8, 2014 (SCI-Expanded)
- VII. **Recycling process water in sulfide flotation, Part Effect of H<sub>2</sub>O<sub>2</sub> and process water components on sphalerite flotation from complex sulfide**  
Ikumapayi F., SİS H., JOHANSSON B., Rao K. H.  
MINERALS & METALLURGICAL PROCESSING, vol.29, no.4, pp.192-198, 2012 (SCI-Expanded)
- VIII. **Adsorption characteristics of ionic and nonionic surfactants on hydrophobic pigment in aqueous medium**  
SİS H., BİRİNCİ M.  
COLORATION TECHNOLOGY, vol.128, no.3, pp.244-249, 2012 (SCI-Expanded)
- IX. **Effect of nonionic and ionic surfactants on zeta potential and dispersion properties of carbon black powders**  
SİS H., BİRİNCİ M.  
COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, vol.341, pp.60-67, 2009 (SCI-Expanded)
- X. **Application of Model-free Methods for Analysis of Combustion Kinetics of Coals with Different Ranks**  
Sis H.  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.31, no.12, pp.1016-1027, 2009 (SCI-Expanded)
- XI. **Evaluation of combustion characteristics of different size elbistan lignite by using TG/DTG and DTA**

- Sis H.  
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.88, no.3, pp.863-870, 2007 (SCI-Expanded)
- XII. **Kinetics of drop breakage in stirred vessels under turbulent conditions**  
Sis H., KELBALIYEV G., CHANDER S.  
JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY, vol.26, no.5, pp.565-573, 2005 (SCI-Expanded)
- XIII. **Synergism in sodium oleate/ethoxylated nonylphenol mixtures**  
Sis H., CHANDER G., CHANDER S.  
JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY, vol.26, no.5, pp.605-614, 2005 (SCI-Expanded)
- XIV. **Utilization of fine coal tailings by flotation using ionic reagents**  
Sis H., OZBAYOGLU G., SARIKAYA M.  
ENERGY SOURCES, vol.26, no.10, pp.941-949, 2004 (SCI-Expanded)
- XV. **Kinetics of emulsification of dodecane in the absence and presence of nonionic surfactants**  
Sis H., CHANDER S.  
COLLOIDS AND SURFACES A-PHYSCOCHEMICAL AND ENGINEERING ASPECTS, vol.235, pp.113-120, 2004 (SCI-Expanded)
- XVI. **Adsorption and contact angle of single and binary mixtures of surfactants on apatite**  
Sis H., CHANDER S.  
MINERALS ENGINEERING, vol.16, no.9, pp.839-848, 2003 (SCI-Expanded)
- XVII. **Improving froth characteristics and flotation recovery of phosphate ores with nonionic surfactants**  
Sis H., CHANDER S.  
MINERALS ENGINEERING, vol.16, no.7, pp.587-595, 2003 (SCI-Expanded)
- XVIII. **Reagents used in the flotation of phosphate ores: a critical review**  
Sis H., CHANDER S.  
MINERALS ENGINEERING, vol.16, no.7, pp.577-585, 2003 (SCI-Expanded)
- XIX. **Comparison of non-ionic and ionic collectors in the flotation of coal fines**  
Sis H., OZBAYOGLU G., SARIKAYA M.  
MINERALS ENGINEERING, vol.16, no.4, pp.399-401, 2003 (SCI-Expanded)
- XX. **Pressure filtration of dispersed and flocculated alumina slurries**  
Sis H., CHANDER S.  
MINERALS & METALLURGICAL PROCESSING, vol.17, no.1, pp.41-48, 2000 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Influence of Marble Powder and Fly Ash on Rheological Properties and Strength of Cementitious Grouts**  
Sis H., Kiyak T., Fenerli C., Genç M.  
Journal of Sustainable Construction Materials and Technologies, vol.6, no.1, pp.12-23, 2021 (Peer-Reviewed Journal)
- II. **Enrichment of low-grade magnetite ore by magnetic and gravity separations: Effect of particle size**  
Sis H., Karaağaç T., Birinci M., Kiyak T.  
Bilimsel Madencilik Dergisi, vol.60, no.1, pp.31-39, 2021 (Scopus)
- III. **DISSOLUTION KINETICS AND VARIATION OF PARTICLE SIZE OF KIRKA (TURKEY) ULEXITE IN HCL SOLUTIONS**  
Sis H., Bentli I., Ekmekyapar A., Demirkiran N.  
The Journal of Ore Dressing, vol.17, no.33, pp.27-37, 2015 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **MADENCİLİKTE CEVHER HAZIRLAMA VE ZENGİNLEŞTİRME**

## Refereed Congress / Symposium Publications in Proceedings

- I. **Acid Mine Drainage (AMD): Revisiting and Recent Insights**  
SİS H., Dolmaz O.  
18. International Mineral Processing Symposium, Eskişehir, Turkey, 16 October 2024, vol.1, pp.641
- II. **Optimization of Rare Earth Element Recovery from Kızıldağ (Karaman-Türkiye) Shale Ore Using Response Surface Methodology**  
UYSAL T., Akça M. E., ERÜST ÜNAL C., SİS H., ERDEMOĞLU M.  
18th International Mineral Processing Symposium, Eskişehir, Turkey, 16 October 2024
- III. **EFFECT OF INTENSIVE MILLING ON THE STRUCTURAL CHARACTERISTICS OF SHALE ORE**  
UYSAL T., KIYAK T., SİS H., ERDEMOĞLU M.  
22. Uluslararası Metalurji ve Malzeme Kongresi, İstanbul, Turkey, 27 - 28 June 2024
- IV. **KIZILDAĞ (KARAMAN-TÜRKİYE) ŞEYL CEVHERİNİN NTE KAZANIMI İÇİN KARAKTERİZASYONU**  
**CHARACTERIZATION OF KIZILDAĞ (KARAMAN-TURKEY) SHALE ORE FOR REE RECOVERY**  
UYSAL T., KIYAK T., ERÜST ÜNAL C., SİS H., ERDEMOĞLU M.  
PROCEEDINGS OF 9th INTERNATIONAL CONGRESS OF MINING MACHINERY & TECHNOLOGIES, İzmir, Turkey, 13 - 15 September 2023, vol.1, pp.187-195
- V. **Applying Design of Experiments (DOE) Methodology to Determine the Optimum Mechanical Activation Conditions of K-feldspar**  
Balaz M., Birinci M., Şentürk K., Achimovicova M., Balaz P., Erdemoğlu S., Sis H., Erdemoğlu M.  
17th International Mineral Processing Symposium IMPS 2022, İstanbul, Turkey, 15 - 17 December 2022
- VI. **ZERO-WASTE VALORISATION OF FELDSPATHIC ORES: THE PROJECT POTASSIAL**  
ERDEMOĞLU M., SİS H., ERDEMOĞLU S., BİRİNCİ M.  
XVII. International Mineral Processing Symposium, İstanbul, Turkey, 15 December 2022, vol.1, pp.807-814
- VII. **Determining AMD generation potential of a complex Zn-Pb ore waste.**  
SİS H., Başaran B.  
XVII. International Mineral processing Symposium, İstanbul, Turkey, 15 December 2022, vol.1, pp.1166-1172
- VIII. **DETERMINING AMD GENERATION POTENTIAL OF A COMPLEX Pb-Zn ORE WASTE**  
Sis H., Başaran B.  
17. International Mineral Processing Symposium, İstanbul, Turkey, 15 - 17 December 2022, vol.1, pp.869-874
- IX. **UÇUCU KÜL VE MERMER TOZUNUN BETONUN MEKANİK ÖZELLİKLERİNE ETKİSİNİN İNCELENMESİ**  
GENÇ M., FENERLİ C., SİS H., Kiyak T.  
VIII-MAS EUROPEAN INTERNATIONAL CONGRESS ON MATHEMATICS-ENGINEERING-NATURAL MEDICAL SCIENCES, Diyarbakır, Turkey, 11 - 13 October 2019, vol.1, no.1, pp.15-16
- X. **UÇUCU KÜL VE MERMER TOZUNUN DOLGU HARÇLARININ AKIŞKANLIK ÖZELLİKLERİNE VE BASMA DAYANIMA ETKİLERİ**  
SİS H., Kiyak T., FENERLİ C., GENÇ M.  
Türkiye 26. Uluslararası Madencilik Kongresi ve Sergisi, Antalya, Turkey, 16 - 19 April 2019, vol.1, no.1, pp.1649-1657
- XI. **Recovering marble dust from marble processing plants using fly ash**  
SİS H., Kiyak T.  
III. International Porous and Powder Materials Symposium and Exhibition, Aydın, Turkey, 12 - 15 September 2017, vol.1, pp.69
- XII. **Beneficiation of Malatya Turkey feldspar ores by magnetic separation and flotation**  
BENTLİ İ., TURGUT A., SİS H.  
XV. INTERNATIONAL MINERAL PROCESSING SYMPOSIUM, İstanbul, Turkey, 19 - 21 November 2016, vol.1, no.1, pp.110

- XIII. **Amenability of Parçikan (Malatya) lignite coals to binderless briquetting**  
BİRİNCİ M., SİS H.  
XV. International Mineral processing Symposium, İstanbul, Turkey, 19 - 21 October 2016, vol.1, pp.972-984
- XIV. **Dispersion and stability of carbon black powders in water in the presence of non ionic surfactants**  
SİS H., BİRİNCİ M.  
II. International Porous and Powder Materials Symposium and Exhibition, İzmir, Turkey, 15 - 18 September 2015, vol.1, pp.6
- XV. **Malatya Arguvan linyitlerinin gravite yöntemleriyle Zenginleştirilmesi**  
AKSOĞAN KORKMAZ A., BENTLİ İ., SİS H.  
Türkiye 24. Uluslararası Madencilik Kongresi ve Sergisi, Antalya, Turkey, 14 - 17 April 2015
- XVI. **Selimoğlu (Divriği-Sivas) linyitlerinin yıkama olanakları**  
BİRİNCİ M., SİS H.  
XXIV. International Mining Congress and Exhibition, Antalya, Turkey, 14 - 17 April 2015, vol.1, pp.682-688
- XVII. **Beneficiation of Görgü Malatya complex lead zinc ores by flotation**  
SİS H., Coşkun M., Tenekeçigil E., BİRİNCİ M.  
XIV. International Mineral Processing Symposium, Aydın, Turkey, 15 - 17 October 2014, vol.1, pp.247-254
- XVIII. **Evaluation of combustion characteristics of Elbistan Turkey lignite by applying model fitting and model free methods**  
SİS H.  
XVII. International Coal Processing Congress and Exhibition, İstanbul, Turkey, 1 - 06 October 2013, vol.1, pp.711-716
- XIX. **Düşük tenörlü demir yataklarının zenginleştirilmesi**  
SİS H., BİRİNCİ M.  
Malatya ve Çevre İllerinin Maden Sempozyumu, Malatya, Turkey, 27 - 29 April 2013, vol.1, pp.86-95
- XX. **Adsorption of chromium ions in water on Kuluncak Malatya vermiculites**  
SİS H., UYSAL T.  
XIII. International Mineral Processing Symposium, Muğla, Turkey, 10 - 12 October 2012, vol.1, pp.947-954
- XXI. **Selective flocculation of fine phosphate materials**  
Summers C., Dahlin D., SİS H., Chander S.  
SME Annual Meeting 2002, Arizona, United States Of America, 25 - 27 February 2002
- XXII. **Comparison of non ionic and ionic collectors in the flotation of Zonguldak coal fines**  
SİS H., ÖZBAYOĞLU G., SARIKAYA M.  
IX. International Mineral Processing Symposium, Nevşehir, Turkey, 18 - 21 September 2002, vol.1, pp.197
- XXIII. **Flotation of phosphate ores with sodium oleate and nonionic surfactant mixtures**  
SİS H., Chander S.  
Beneficiation of phosphates III, Florida, United States Of America, 2 - 07 December 2001, vol.1, pp.33-43
- XXIV. **Enhancing flotation recovery of phosphate ore by nonionic surfactant**  
SİS H., Chander S.  
XXI. International Mineral Processing Congress, Roma, Italy, 23 - 27 June 2000, vol.2, pp.124-130
- XXV. **Pressure filtration of dispersed and flocculated alumina slurries**  
SİS H., Chander S.  
Society of Mining Engineers Annual Meeting, Florida, United States Of America, 9 - 11 March 1998
- XXVI. **Effect of surface modification on flow properties and pressure filtration of alumina slurries**  
SİS H., Chander S.  
Fine powder processing Conference, United States Of America, 3 - 05 March 1997, vol.1, pp.369-376

## Supported Projects

SİS H., ERDEMOĞLU M., BİRİNCİ M., EREN SARICI D., Project Supported by Higher Education Institutions, Potasyum feldspat cevherlerinin yenilikçi ve sıfır atıklı hidrometalurjik yöntemlerle sürdürülebilir şekilde değerlendirilmesi, 2022 -



## Continues

SİS H., DOLMAZ O., ERDEMOĞLU S., ERDEMOĞLU M., BİRİNCİ M., Project Supported by Higher Education Institutions, Sulfürlü Cevherlerin Asit Maden Drenajı Oluşturma Potansiyellerinin Belirlenmesi ve Bazı Önlemlerle Potansiyellerinin Azaltılması, 2022 - Continues

Erdemoğlu M., Sis H., Birinci M., Erdemoğlu S., Boyrazlı M., Turan M. D., Güler T., Baş A. D., Öncel Ç., Polat E., et al, H2020 Project, Zero-waste valorisation of feldspathic ores: green application and sustainable sourcing of strategic raw materials, 2022 - 2025

ERDEMOĞLU M., BİRİNCİ M., ERDEMOĞLU S., SİS H., Project Supported by Higher Education Institutions, 4. ERA-MIN3 POTASSIAL Projesi Konsorsiyum Çalıştay: Stratejik Hammaddelerin Sıfır Atıklı Değerlendirilmesi, 2024 - 2024

SİS H., DEMİRKIRAN N., KIYAK T., ERDEMOĞLU M., Project Supported by Higher Education Institutions, Görgü Malatya oksitli çinkokurşun cevherinin zenginleştirilmesi ve çinko elektrokazanımı, 2020 - 2022

SİS H., BAŞARAN B., Project Supported by Higher Education Institutions, Görgü (Malatya) Çinko-Kurşun Cevher Atıklarının Asit Maden Drenajı Oluşturma Potansiyelinin Belirlenmesi, 2020 - 2022

SİS H., GENÇ M., KIYAK T., FENERLİ C., Project Supported by Higher Education Institutions, Mermer tozu ve uçucu kül atıkları karışımlarının beton ve harç yapımında kullanımı, 2018 - 2019

SİS H., BİRİNCİ M., KARAAĞAÇ T., Project Supported by Higher Education Institutions, Beğre (Doğanşehir) Yöresi Demir Cevherlerinin Zenginleştirilme Özelliklerinin İncelenmesi, 2017 - 2019

Sis H., Önal M., Project Supported by Higher Education Institutions, Mühendislik Fakültesi, Maden Mühendisliği Öğrenci Laboratuvarları Altyapı Güçlendirmesi, 2015 - 2017

Sis H., Birinci M., Project Supported by Higher Education Institutions, Malatya Parçikan Yöresi Kömürlerin Yıkabilirlik Olanaklarının Araştırılması, 2013 - 2016

SİS H., TUBITAK Project, Revisiting sulphide mineral processing Flotation selectivity and fine particle processing, 2011 - 2012

Uysal T., Sis H., Project Supported by Higher Education Institutions, Su İçerisindeki Ağır Metal İyonlarının Kuluncak (Malatya) Vermikülitleri Üzerine Adsorpsiyonu, 2011 - 2012

Sis H., Project Supported by Higher Education Institutions, Hidrofobik pigmentlerin yüzey özelliklerini değiştirerek su içerisindeki akışkanlıklarının düzenlenmesi, 2009 - 2011

Sis H., Başarır H., Project Supported by Higher Education Institutions, İnönü Üniversitesi Mühendislik Fakültesi Maden Mühendisliği Öğrenci Laboratuvarları Altyapı Güçlendirmesi, 2009 - 2010

SİS H., TUBITAK Project, Hidrofobik Pigmentlerin Reaktifler Kullanılarak Su İçerisinde Dağılma Özelliklerinin Arttırılması, 2006 - 2007

Sis H., Alıcı B., Seçkin T., TUBITAK Project, Moderatör Polimerler ile Metal Oksit Sollerinin Oluşumlarının Yapısal Kontrolünün Araştırılması, 2005 - 2007

Sis H., Sarıkaya M., Project Supported by Higher Education Institutions, Bingöl Bitlis Fosfatlı Demir Cevherlerinin Zenginleştirme Olanaklarının Araştırılması, 2002 - 2005

Sis H., Sarıkaya M., Project Supported by Higher Education Institutions, Zonguldak Taskömürlerinin İyonik Toplayıcılar Kullanılarak Flotasyon Özelliklerinin Araştırılması, 1994 - 1995

## Student Project

R & D Project, Pülp Potansiyelinin Görgü (Malatya) Kurşun-Çinko Cevherlerinin Flotasyon Özelliklerine Etkisi, Inonu University, Mühendislik Fakültesi, Maden Mühendisliği, Turkey, 2013 - 2014

## Mobility Activity

Erasmus Programme, Get Education, Norwegian University of Science and Technology, Norway, 2019 - 2019

## Metrics



Publication: 51  
Citation (WoS): 642  
Citation (Scopus): 538  
H-Index (WoS): 11  
H-Index (Scopus): 11

### **Invited Talks**

İleri Flotasyon Uygulamaları, Workshop, IMPRC , Iran, June 2018

### **Scholarships**

2219 Doktora sonrası araştırma bursu, TÜBİTAK, 2011 - 2011  
Yurtdışı Doktora Bursu, YOK, 1995 - 2001

### **Non Academic Experience**

Other Public Institution, The General Directorate of Mineral Research And Exploration, Drilling and Exploration  
Maden Tetkik ve Arama (MTA)