

Prof. MEHMET YILDIRIM

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Education Information

Doctorate, Middle East Technical University, Fen Bilimleri Enstitüsü, Maden Mühendisliği, Turkey 1991 - 1995

Post Graduate, The University of Birmingham, Minerals Engineering, Minerals Engineering, United Kingdom 1979 - 1981

Under Graduate, Istanbul Technical University, Maden Fakültesi, Maden Mühendisliği, Turkey 1970 - 1975

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Production of Water Resistant Coal Briquettes by the Use of Humic Acid as Binder, Middle East Technical University, Maden Mühendisliği, Maden Mühendisliği, 1995

Post Graduate, A Study of Processing of a Low Grade Copper Ore by a Roast-Leach-Cementation Process, The University of Birmingham, Minerals Engineering, Minerals Engineering, 1981

Research Areas

Mining Engineering and Technology, Ore-Dressing, Flotation and Flocculation, Dewatering, Coal Preparation, Agglomeration, Chemical-Biological Winning Techniques and Mineral Processing, Engineering and Technology

Academic Titles / Tasks

Professor, Cukurova University, Mühendislik Mimarlık , Maden Mühendisliği, 2010 - Continues

Associate Professor, Cukurova University, Mühendislik Mimarlık Fakültesi, Maden Mühendisliği, 2005 - 2010

Assistant Professor, Cukurova University, Mühendislik Mimarlık Fakültesi, Maden Mühendisliği, 1995 - 2005

Advising Theses

YILDIRIM M., Adana/Aladağ Kromit Zenginleştirme Tesisi Artıklarından Karnalit Hazırlanması, Post Graduate, S.TOP(Student), 2014

YILDIRIM M., Preparation of Solid Fuel Briquettes Used in Domestic Heating from Hardcoal, Post Graduate, G.Bayar(Student), 2012

YILDIRIM M., Effects of Drying on Grinding Characteristics of Afsin/Elbistan Lignites, Post Graduate, M.Altner(Student), 2011

YILDIRIM M., Recovery of Precipitated Calcium Carbonate (PCC) from Steelmaking Slags by Leach ? Carbonation Process, Post Graduate, M.Bilen(Student), 2010

YILDIRIM M., Afşin/Elbistan Termik Santrali Uçucu Küllerinden Çöktürülmüş Kalsiyum Karbonat (CaCO₃) Kazanım Koşullarının Araştırılması, Post Graduate, Ö.DOĞAN(Student), 2007

YILDIRIM M., The Research of Obtaining High Purity Magnesium Oxide (MgO) from Icel-Yavca Dolomities, Doctorate, H.Akarsu(Student), 2004

YILDIRIM M., Kuvarsitlerden Züccaciye Kalitesinde Cam Kumu Elde Edilmesi, Post Graduate, H.İlker(Student), 2003

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Evaluation of steelmaking slag for CO₂ fixation by leaching-carbonation process**
Bilen M., ALTINER M., YILDIRIM M.
PARTICULATE SCIENCE AND TECHNOLOGY, vol.36, pp.368-377, 2018 (Journal Indexed in SCI)
- **Preparation of periclase (MgO) nanoparticles from dolomite by pyrohydrolysis-calcination processes**
ALTINER M., YILDIRIM M.
ASIA-PACIFIC JOURNAL OF CHEMICAL ENGINEERING, vol.12, pp.842-857, 2017 (Journal Indexed in SCI)
- **Influence of filler on the properties of magnesium oxychloride cement prepared from dolomite**
ALTINER M., YILDIRIM M.
EMERGING MATERIALS RESEARCH, vol.6, pp.417-421, 2017 (Journal Indexed in SCI)
- **Preparation of synthetic carnallite and amorphous silica from chromite beneficiation plant tailings**
TOP S., YILDIRIM M.
GOSPODARKA SUROWCAMI MINERALNYMI-MINERAL RESOURCES MANAGEMENT, vol.33, pp.5-23, 2017 (Journal Indexed in SCI)
- **Study of using Dolomite as Starting Material Resource to Produce Magnesium Oxychloride Cement**
ALTINER M., YILDIRIM M.
JOURNAL OF ADVANCED CONCRETE TECHNOLOGY, vol.15, pp.269-277, 2017 (Journal Indexed in SCI)
- **Production and characterization of synthetic aragonite prepared from dolomite by eco-friendly leaching-carbonation process**
ALTINER M., YILDIRIM M.
ADVANCED POWDER TECHNOLOGY, vol.28, pp.553-564, 2017 (Journal Indexed in SCI)
- **PRODUCTION OF PRECIPITATED CALCIUM CARBONATE PARTICLES WITH DIFFERENT MORPHOLOGIES FROM DOLOMITE ORE IN THE PRESENCE OF VARIOUS HYDROXIDE ADDITIVES**
ALTINER M., YILDIRIM M.
PHYSICO-CHEMICAL PROBLEMS OF MINERAL PROCESSING, vol.53, pp.413-426, 2017 (Journal Indexed in SCI)
- **LEACHING OF MERSIN/AYDINCIK DOLOMITE ORE IN HYDROCHLORIC ACID. DISSOLUTION RATES**
ALTINER M., YILDIRIM M., YILMAZ T.
PHYSICO-CHEMICAL PROBLEMS OF MINERAL PROCESSING, vol.52, pp.536-550, 2016 (Journal Indexed in SCI)
- **PREPARATION OF MAGNESIUM OXIDE (MgO) FROM DOLOMITE BY LEACH-PRECIPITATION-PYROHYDROLYSIS PROCESS**
YILDIRIM M., Akarsu H.
PHYSICO-CHEMICAL PROBLEMS OF MINERAL PROCESSING, vol.44, pp.257-272, 2010 (Journal Indexed in SCI)
- **Kinetics of Calcium Carbonate (CaCO₃) Precipitation from a Icel-Yavca Dolomite Leach Solution by a Gas (Carbon Dioxide)/Liquid Reaction**
YILDIRIM M., Akarsu H.
HELVETICA CHIMICA ACTA, vol.92, pp.502-513, 2009 (Journal Indexed in SCI)
- **Leaching rates of Icel-Yavca dolomite in hydrochloric acid solution**
Akarsu H., YILDIRIM M.
MINERAL PROCESSING AND EXTRACTIVE METALLURGY REVIEW, vol.29, pp.42-56, 2008 (Journal Indexed in SCI)
- **Dissolution Kinetics of Icel-Aydincik Dolomite in Hydrochloric Acid**
Yildirim M.
SOUTH AFRICAN JOURNAL OF CHEMISTRY-SUID-AFRIKAANSE TYDSKRIF VIR CHEMIE, vol.61, pp.127-132, 2008 (Journal Indexed in SCI)
- **Diallel analysis of wheat parents and their F-2 progenies under medium and low level of available N in**

soil

Yildirim M., Bahar B., Genc I., Korkmaz K., Karnez E.

JOURNAL OF PLANT NUTRITION, vol.30, pp.937-945, 2007 (Journal Indexed in SCI)

- **Briquetting of Tuncbilek lignite fines by using ammonium nitrohumate as a binder**

Yildirim M., Ozbayoglu G.

TRANSACTIONS OF THE INSTITUTIONS OF MINING AND METALLURGY SECTION C-MINERAL PROCESSING AND EXTRACTIVE METALLURGY, vol.113, pp.13-18, 2004 (Journal Indexed in SCI)

- **Aerial oxidation of Kangal/Sivas lignite at 70 degrees C and 90 degrees C**

Yildirim M.

ENERGY SOURCES, vol.25, pp.1023-1032, 2003 (Journal Indexed in SCI)

- **Ash removal from the Afsin/Elbistan lignite and the effects on power station operation**

Yildirim M., Kurumuş İ.

JOURNAL OF THE INSTITUTE OF ENERGY, vol.75, pp.112-116, 2002 (Journal Indexed in SCI)

- **Sulphation roasting and leaching of a low-grade copper ore from Ergani-Maden, Turkey**

Yildirim M.

TRANSACTIONS OF THE INSTITUTION OF MINING AND METALLURGY SECTION C-MINERAL PROCESSING AND EXTRACTIVE METALLURGY, vol.111, 2002 (Journal Indexed in SCI)

Articles Published in Other Journals

- **AYDINCIK/İÇEL DOLOMITLERİNDEN MAGNEZYUM KLORÜR (MgCl₂) ÜRETİMİ**

ALTINER M., YILDIRIM M.

Çukurova Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.34, pp.106-113, 2016 (National Refereed University Journal)

- **KROMİT KONSANTRASYON TESİSİ ARTIKLARINDAN MAGNEZYUM SÜLFAT (MgSO₄) SENTEZİ**

TOP S., YILDIRIM M.

Madencilik, vol.54, pp.37-46, 2015 (Other Refereed National Journals)

- **Adana Aladağ Kromit Zenginleştirme Tesisi Artıklarından Kromit Kazanımı**

TOP S., YILDIRIM M.

Çukurova Üniversitesi, Fen ve Mühendislik Bilimleri Dergisi, vol.32, pp.137-146, 2015 (National Refereed University Journal)

- **AFŞİN-ELBİSTAN LİNYİTİNİN KURUTULMASI VE NEM İÇERİĞİNİN DARBE DAYANIMINA ETKİSİ**

ALTINER M., YILDIRIM M.

Ç.Ü. Fen ve Mühendislik Bilimleri Dergisi, vol.26, pp.19-28, 2011 (National Refereed University Journal)

Refereed Congress / Symposium Publications in Proceedings

- **Production of Synthetic Nano Periclase (MgO) Particles from Aydıncık/Mersin Dolomites**

ALTINER M., YILDIRIM M.

25. Uluslararası Madencilik Kongresi ve Sergisi, Antalya, Turkey, 11 - 14 April 2017, pp.813-822

- **Production of Synthetic Nano Periclase (MgO) Particles from Aydıncık/Mersin Dolomites**

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- **Processing of Water Resistant Briquettes used in domestic heating from hard coal**

Bayar Kalaycı G., ALTINER M., YILDIRIM M.

Proceedings of the 17th International Coal Preparation Congress, İstanbul, Turkey, 1 - 06 October 2013, pp.809-814

- **Processing of Water Resistant Briquettes used in domestic heating from hard coal**

Bayar Kalaycı G., ALTINER M., YILDIRIM M.

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- **Effects of Microwave and Conventional Drying Methods on Grinding Characteristics of Afsin-Elbistan**

Lignite??

ALTINER M., YILDIRIM M., VAPUR H.

Proceedings of the 13th. International Mineral Processing Symposium, Muğla, Turkey, 10 - 12 October 2012, pp.737-745

- **Effects of Microwave and Conventional Drying Methods on Grinding Characteristics of Afsin-Elbistan Lignite??**

ALTINER M., YILDIRIM M., VAPUR H.

Proceedings of the 13th. International Mineral Processing Symposium, Muğla, Turkey, 10 - 12 October 2012, pp.737-745

- **Determination of effect of moisture content on strength and grindability properties of Afsin-Elbistan Lignite??**

ALTINER M., YILDIRIM M.

Proceedings of the 18th Coal Congress of Turkey, Zonguldak, Turkey, 06 June 2012 - 08 June 2013, pp.487-496

- **Benification of Attepe/Mansurlu Iron Ore**

YILDIRIM M., ANIL M., BAYAT O., VAPUR H.

11th Int. Mineral Processing Symposium, Antalya, Turkey, 21 - 23 October 2008, pp.251-257

- **Ç. Ü. Ziraat Fakültesi tarafından geliştirilen Tacettinbey Triticale çeşidinin Başlıca Özellikleri**

YAĞBASANLAR T., Genç İ., ÖZKAN H., TOKLU F., Yıldırım M., Bahar B., Yücel C., Topal M.

Türkiye 5. Tarla Bitkileri Kongresi, Diyarbakır, Turkey, 13 - 17 September 2003, pp.1-5

- **Engineering Geological Assessment of the Diyarbakır Landfill Area**

Türkmen S., ACAR İ. A. , Taga H., Yıldırım M., Dinçer İ.

Fourth International Turkish Geology Symposium, Adana, Turkey, 24 - 28 September 2001, pp.256

Memberships / Tasks in Scientific Organizations

The Institute of Materials, Minerals & Mining., Member, 1996 - Continues

Maden Mühendisleri Odası, Member, 1975 - Continues

Citations

Total Citations (WOS):76

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