

Assoc. Prof. Emek DERUN

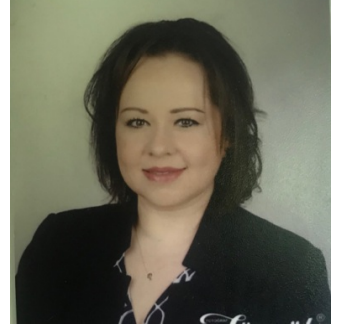
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Education Information

Doctorate, Yıldız Teknik Üniversitesi, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING, Kimya Mühendisliği, Turkey 2000 - 2005

Post Graduate, Yıldız Teknik Üniversitesi, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING, Kimya Mühendisliği, Turkey 1998 - 2000

Under Graduate, Yıldız Teknik Üniversitesi, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING, Kimya Mühendisliği, Turkey 1994 - 1998

Foreign Languages

English, C1 Advanced

German, B1 Intermediate

Certificates, Courses and Trainings

- Education Management and Planning, CAMSCAN Apollo 300 cihazı eğitim sertifikası, TETRA Teknolojik Sistemler, 2010
- Education Management and Planning, PERKIN ELMER Clarus 500 GC, Clarus 500 MS ve TMHS cihazları eğitim sertifikası, TETRA Teknolojik Sistemler, 2009
- Education Management and Planning, PERKIN ELMER Diamond DSC cihazı eğitim sertifikası, TETRA Teknolojik Sistemler, 2009
- Education Management and Planning, PERKIN ELMER Lambda 25 cihazı eğitim sertifikası, TETRA Teknolojik Sistemler, 2008
- Education Management and Planning, PERKIN ELMER Raman 400F cihazı eğitim sertifikası, TETRA Teknolojik Sistemler, 2008
- Quality Management, Deney ve Kalibrasyon Laboratuvar Kalitesinin Temini ve Laboratuvar Arası Karşılaştırma Ölçümü, Türk Standartları Enstitüsü (TSE) Kalibrasyon Merkezi Başkanlığı, 2008
- Education Management and Planning, PERKIN ELMER Optima 2100 DV cihazı eğitim sertifikası, TETRA Teknolojik Sistemler, 2007
- Education Management and Planning, PERKIN ELMER Spectrum One FT-IR Spectrometer cihazı eğitim sertifikası, TETRA Teknolojik Sistemler, 2005
- Education Management and Planning, PERKIN ELMER Diamond TG/DTA cihazı eğitim sertifikası, TETRA Teknolojik Sistemler, 2004
- Education Management and Planning, PANALYTICAL Minipal 4 cihazı eğitim sertifikası, TETRA Teknolojik Sistemler, 2004
- Education Management and Planning, PANALYTICAL Xpert Pro MPD cihazı eğitim sertifikası, TETRA Teknolojik Sistemler, 2004

Dissertations

Doctorate, Sb₂Te₃ ve Bi₂Te₃ İÇERİKLİ BİLEŞİKLERİN TERMOELEKTRİK, YAPISAL ve MİKROYAPISAL ÖZELLİKLERİNİN İNCELENMESİ, Yıldız Teknik Üniversitesi, 2005

Post Graduate, BORİK ASİT ATIĞI ve ÇELİK TEL KATKILI HAFİF BETON ÜRETİMİ, Yıldız Teknik Üniversitesi, 2000

Research Areas

Boron Chemistry, Chemical Engineering and Technology, Chemical Technologies, Environmental Chemistry and Technology, Metallurgical and Materials Engineering, Material science and engineering, Ceramic Materials, Semiconductor and Superconductor Materials, Cement and Concrete, Material Characterization, Food Engineering, Food Technology, Chemistry, Analytical Chemistry, Food Analysis, Inorganic Chemistry, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 2016 - Continues

Research Assistant PhD, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 2005 - 2006

Research Assistant, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 1999 - 2005

Academic and Administrative Experience

Yıldız Teknik Üniversitesi, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING, 2009 - 2012

Fakülte Kurulu Üyesi, Yildiz Technical University, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING, 2009 - 2012

Courses

Boron Technologies, Doctorate, 2018 - 2019

Industrial Colloidal Systems, Post Graduate, 2018 - 2019

Kimya Mühendisliği Hesaplamaları, Under Graduate, 2016 - 2017

Enstrümental Analizler Lab., Under Graduate, 2016 - 2017

Yüksek Lisans Tezi, Post Graduate, 2016 - 2017

Biyoproses Mühendisliği, Under Graduate, 2016 - 2017

Kimya Mühendisliği Uygulamaları, Under Graduate, 2016 - 2017

Kimya Endüstrisinde Korozyon, Under Graduate, 2012 - 2013, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017

Enstrümental Analizler, Under Graduate, 2015 - 2016, 2016 - 2017

Bitirme Çalışması, Under Graduate, 2016 - 2017

Analysis Methods in Chemical Industry, Under Graduate, 2016 - 2017

Doktora Tezi, Doctorate, 2016 - 2017

Kimya Mühendisliği Lab III, Under Graduate, 2006 - 2007, 2007 - 2008, 2008 - 2009, 2009 - 2010, 2010 - 2011, 2011 - 2012, 2012 - 2013, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017

Stokiyometri, Under Graduate, 2011 - 2012, 2012 - 2013, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017

Bitirme Çalışması, Under Graduate, 2006 - 2007, 2007 - 2008, 2008 - 2009, 2009 - 2010, 2010 - 2011, 2011 - 2012, 2012 - 2013, 2013 - 2014, 2014 - 2015, 2015 - 2016

Kimya Mühendisliği Hesaplamaları, Under Graduate, 2012 - 2013, 2013 - 2014, 2014 - 2015, 2015 - 2016
Enstrümental Analizler Lab., Under Graduate, 2015 - 2016
Analysis Methods in Chemical Industry, Under Graduate, 2014 - 2015, 2015 - 2016
Kimya Mühendisliği Uygulamaları, Under Graduate, 2007 - 2008, 2008 - 2009, 2009 - 2010, 2010 - 2011, 2011 - 2012, 2012 - 2013, 2013 - 2014, 2014 - 2015, 2015 - 2016
Kütle ve Enerji Denklikleri, Under Graduate, 2006 - 2007, 2007 - 2008, 2008 - 2009, 2009 - 2010, 2011 - 2012
Korozyon, Under Graduate, 2006 - 2007, 2007 - 2008, 2009 - 2010, 2010 - 2011, 2011 - 2012
Termal Analizin Endüstriyel Uygulamaları, Post Graduate, 2006 - 2007, 2007 - 2008, 2008 - 2009, 2009 - 2010, 2010 - 2011, 2011 - 2012
Kütle ve Enerji Denklikleri, Under Graduate, 2010 - 2011

Advising Theses

Derun E., Ayçiçeği Atığı Mangan Demir Oksit Kompozitinin Boyar Madde Gideriminde Kullanılması, Post Graduate, D.Uygunöz(Student), Continues
Derun E., Nano Malzeme Katkılı Biosolvent Üretimi ve Performanslarının İncelenmesi, Post Graduate, K.Sömek(Student), Continues
Derun E., Termoplastik Kompozitlerde arayüzey özelliklerinin nano-malzeme kullanımıyla geliştirilmesi, Doctorate, R.Özbaş(Student), Continues
Derun E., Gıda Atıklarından Demir Nanopartikül Sentezi, Post Graduate, T.Aydoğan(Student), Continues
Derun E., Çimento Üretiminde Uçucu Kül Yerine Şist Kullanımı, Post Graduate, Ş.Salm(Student), Continues
Derun E., Uçucu külden elde edilen geopolimerlerin metal doplama yöntemiyle özelliklerinin geliştirilmesi, Post Graduate, H.Özkan(Student), Continues
Derun E., Bellek Bozuklukları Tedavisinde Bitkisel İçerikli Cilt Yaması Kullanımı, Post Graduate, E.Muhammet(Student), Continues
Derun E., Hidrotermal Yöntemle Lantanborat Sentezi, Post Graduate, S.Argun(Student), Continues
Derun E., Geopolimer Üretiminde Nanopartiküllerin Kullanımının İncelenmesi, Post Graduate, B.Seda(Student), 2019
Derun E., Endüstriyel Atıklardan Elde Edilen Alüminasilikat Yapılı Adsorbanların Ağır Metal Gideriminde Değerlendirilmesi, Doctorate, F.Demir(Student), 2019
Derun E., The Research of the Enamel Frits with Lithium Effects on Surface Characteristics of Vitreous Enamel Coatings, Post Graduate, A.Murat(Student), 2019
Derun E., Bor Atıklardan Kıymetli Metallerin Geri Kazanılması, Post Graduate, R.Özbaş(Student), 2019
Derun E., FARKLI NANOPARTİKÜLLERİN VE ENDÜSTRİYEL ATIKLARIN ÇİMENTO HARCİ ÜRETİMİNDE DEĞERLENDİRİLMESİ, Doctorate, M.Yıldırım(Student), 2019
Derun E., Endüstriyel Atık Sulardaki Ağır Metallerin Çeşitli Adsorbanlar Kullanılarak Giderilmesi, Post Graduate, E.Burcu(Student), 2019
Derun E., Farklı Bölgelerden Alınan Dut ve Sumak Ürünlerinin Antioksidan Kapasitesinin İncelenmesi, Post Graduate, E.Irmak(Student), 2019
Derun E., Mangan Boratların Katı Hal Sentez Yöntemiyle Üretilmesi ve Karakterizasyonu, Post Graduate, M.Özyılmaz(Student), 2017
Derun E., Farklı Yöntemlerle Bakır Borat Üretimi ve Üretim Yöntemlerinin Karşılaştırılması, Post Graduate, S.Kavcı(Student), 2016
Derun E., Wound Dressing Production with Essential Oils and Investigation of Antimicrobial Properties, Post Graduate, G.Balkan(Student), 2016
Derun E., Çeşitli Yöntemler ile Türkiye Pazarında Bulunan Çayların İçerdiği Elementlerin Belirlenmesi, Post Graduate, T.Yalçın(Student), 2016
KIPÇAK A. S. , DERUN E., Yeni Yöntemler ile Farklı Potasyum Kaynaklarından Yüksek Verimli Saf Potasyum Borat Üretimi ve Karakterizasyonu, Post Graduate, S.İla(Student), 2016
Derun E., Mikrodalga Çözümleme Yöntemi ile Hazırlanan Farklı Çay ve Kahve Numunelerinin Element İçeriklerinin ICP-OES Cihazı ile Belirlenmesi, Post Graduate, M.Melek(Student), 2016

Derun E., Borik Asit Üretim Atığı Olan Borjipsin Yapı Sanayinde Değerlendirilmesi, Post Graduate, K.Kunt(Student), 2016
Derun E., Endüstriyel Atıkların Çimento Sanayinde Değerlendirilmesi, Post Graduate, F.Dur(Student), 2016
Derun E., Katıhal Yöntemiyle Lantan Borat Üretimi ve Karakterizasyonu, Post Graduate, S.Sarı(Student), 2016
Derun E., Farklı Özellikteki Meyve Sularının Element İçeriklerinin ICP-OES Yöntemi Kullanılarak Belirlenmesi ve Sağlığa Olan Etkilerinin Araştırılması, Post Graduate, F.Demir(Student), 2015
Derun E., Çelikhane Cürufunun Yapı Malzemesi Olarak Kullanılması, Post Graduate, B.Soyal(Student), 2014
Derun E., Yapay Borasit Sentezlenmesi ve Karakterizasyonu, Post Graduate, T.İbroşka(Student), 2014
Derun E., Düşük Sıcaklıkta Magnezyum Borat Üretiminde Atık Magnezyumun Hammadde Olarak Değerlendirilmesi, Post Graduate, A.Kaplan(Student), 2014
Derun E., Bor, selenyum ve kurşun katkılı yarıiletken alaşımların üretimi ve yapısal özelliklerinin karakterizasyonu, Post Graduate, T.Akgün(Student), 2013
Derun E., Sodyum Boratlardan Magnezyum Borat Üretiminin Araştırılması ve Üretim Parametrelerini Etkileyen Faktörlerin Belirlenmesi, Post Graduate, M.Yıldırım(Student), 2013
Derun E., Klor içerikli magnezyum boratların borik asit kullanılarak, katı-hal yöntemi ile üretilmesi ve karakterizasyonu, Post Graduate, E.Şakir(Student), 2013
Derun E., Magnezyum Klorür ve Çeşitli Bor Kaynaklarından Hidrotermal ve Mikroalga Yöntemi ile Magnezyum Borat Sentezi ve Karakterizasyonu, Post Graduate, P.Gürses(Student), 2013
Derun E., Magnezyum Oksit ve Borik Asit Kaynaklarından Magnezyum Boratların Üretimi, Karakterizasyonu ve Üretimi Etkileyen Faktörlerin İncelenmesi, Post Graduate, F.Tuğçe(Student), 2012
Derun E., Katkılı Yarı İletken Alaşımların Yapısal Analizlerinin Karakterizasyonu, Post Graduate, B.Tekin(Student), 2011
Derun E., Bazı Önemli Bor Bileşiklerinin Termal Kinetiğinin İncelenmesi, Post Graduate, G.Arslan(Student), 2009
DERUN E., Farklı cüruf atıklarının beton üretiminde kullanımı, Post Graduate, E.Eren(Student), 2009

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

- I. **Characteristic, electrical and optical properties of potassium borate (KB5O8*4H2O) hydrothermally synthesized from different boron sources**
Şenberber Dumanlı F. T. , Yıldırım Özen M., Asensio M. O. , Aydın Yüksel S., Kıpçak A. S. , Derun E.
Research On Chemical Intermediates, vol.1, no.1, pp.1-10, 2021 (Journal Indexed in SCI)
- II. **Removal of zinc from wastewater using orange, pineapple and pomegranate peels**
Turkmen S. N. , Kıpçak A. S. , Derun E., Tuğrul N.
International Journal Of Environmental Science And Technology, no.18, pp.2781-2792, 2021 (Journal Indexed in SCI)
- III. **Determination of essential and non-essential element contents of drinking water and baby water for infant's nutrition**
Demir F., Yıldırım Özen M., Derun E.
MAIN GROUP METAL CHEMISTRY, vol.1, no.44, pp.1-9, 2021 (Journal Indexed in SCI)
- IV. **Development and Characterization of Negative Air Ion Emitting Mica- and Sericite-Based Antimicrobial Pearlescent Pigments**
Aslan A., Karaduman E., Derun E., Pişkin M. B.
CERAMICS INTERNATIONAL, vol.47, no.18, pp.26421-26429, 2021 (Journal Indexed in SCI)
- V. **INFLUENCE OF LITHIUM AMOUNT ON VITREOUS ENAMEL PROPERTIES**
Erayvaz A. M. , Derun E.
METALLURGICAL RESEARCH & TECHNOLOGY, vol.118, no.3, pp.1-9, 2021 (Journal Indexed in SCI)
- VI. **A New Rapid Synthesis of Potassium Borates by Microwave Irradiation**
İla S., Kıpçak A. S. , Derun E.
Main Group Chemistry, vol.19, no.4, pp.265-272, 2021 (Journal Indexed in SCI Expanded)
- VII. **Drying Characteristics of Blue Mussels by Traditional Methods**
Kıpçak A. S. , Derun E., Tuğrul N., Doymaz İ.
Chemical Industry & Chemical Engineering Quarterly, vol.00, 2020 (Journal Indexed in SCI Expanded)

- VIII. **Determination of essential and non-essential element concentrations and health risk assessment of some commercial fruit juices in Turkey**
Demir F., KIPÇAK A. S. , Dere Ozdemir O., Moroydor Derun E.
JOURNAL OF FOOD SCIENCE AND TECHNOLOGY-MYSORE, vol.57, no.12, pp.4432-4442, 2020 (Journal Indexed in SCI)
- IX. **Effects of microwaves on the dehydration characteristics of santite**
Senberber F. T. , DERUN E., KIPÇAK A. S.
RESEARCH ON CHEMICAL INTERMEDIATES, vol.46, no.9, pp.4129-4139, 2020 (Journal Indexed in SCI)
- X. **Alkalinity Effect on Characteristic Properties and Morphology of Magnesium Phosphate Hydrates**
Senberber F. T. , Moroydor Derun E.
RUSSIAN JOURNAL OF INORGANIC CHEMISTRY, vol.65, no.9, pp.1326-1332, 2020 (Journal Indexed in SCI)
- XI. **Thermal dehydration kinetics of non-crystalline manganese borate**
TUĞRUL N., Firat E., KIPÇAK A. S. , Yildirim M., Senberber F. T. , Derun E.
INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY, vol.59, no.3, pp.346-350, 2020 (Journal Indexed in SCI)
- XII. **Thermal Kinetics and Thermodynamics of the Dehydration Reaction of Inyoite (Ca₂B₆O₆(OH)(10) . 8H(2)O)**
Senberber F. T. , Derun E.
GLASS PHYSICS AND CHEMISTRY, vol.46, no.1, pp.64-71, 2020 (Journal Indexed in SCI)
- XIII. **Response surface methodology application to fly ash based geopolymer synthesized by alkali fusion method**
Demir F., Moroydor Derun E.
Journal of Non-Crystalline Solids, vol.524, 2019 (Journal Indexed in SCI)
- XIV. **Modelling and optimization of gold mine tailings based geopolymer by using response surface method and its application in Pb²⁺ removal**
Demir F., Derun E.
Journal of Cleaner Production, vol.237, 2019 (Journal Indexed in SCI)
- XV. **Temperature Controlled Infrared Drying Kinetics of Mussels**
Sevim S., Derun E., Tuğrul N., Doymaz İ., Kıpçak A. S.
Journal Of The Indian Chemical Society, vol.96, no.9, pp.1233-1238, 2019 (Journal Indexed in SCI Expanded)
- XVI. **Infrared Drying Characteristics of Blue Mussels and Physical Properties**
Kıpçak A. S. , Doymaz İ., Derun E.
Chemical Industry & Chemical Engineering Quarterly, vol.25, no.1, pp.1-10, 2019 (Journal Indexed in SCI Expanded)
- XVII. **A comparative study: Effects of different nanoparticles on the properties of gold mine tailings containing cement mortars**
Derun E., Yıldırım Özen M.
Construction And Building Materials, vol.202, pp.396-405, 2019 (Journal Indexed in SCI)
- XVIII. **Usage of gold mine tailings based geopolymer on Cu²⁺ adsorption from water**
Demir F., DERUN E.
MAIN GROUP CHEMISTRY, vol.18, no.4, pp.467-476, 2019 (Journal Indexed in SCI)
- XIX. **The influence of CuO nanoparticles and boron wastes on the properties of cement mortar**
Yildirim M., DERUN E.
MATERIALES DE CONSTRUCCION, vol.68, no.331, 2018 (Journal Indexed in SCI)
- XX. **REUSE OF MAGNESIUM WASTES IN HYDROTHERMAL SYNTHESIS OF A MAGNESIUM BORATE MINERAL: ADMONTITE**
Kıpçak A. S. , Şenberber F. T. , Derun E., Pişkin S.
ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, vol.17, no.3, pp.537-544, 2018 (Journal Indexed in SCI)
- XXI. **Lanthanum borate synthesis via the solid-state method from a La₂O₃ precursor: Electrical and optical properties**

- Sari S., SENBERBER F. T. , Yildirim M., KIPÇAK A. S. , Yuksel S., Derun E.
MATERIALS CHEMISTRY AND PHYSICS, vol.200, pp.196-203, 2017 (Journal Indexed in SCI)
- XXII. **Sonochemical-assisted magnesium borate synthesis from different boron sources**
Yildirim M., KIPÇAK A. S. , Derun E.
Polish Journal of Chemical Technology, vol.19, no.1, pp.81-88, 2017 (Journal Indexed in SCI Expanded)
- XXIII. **Adsorption of Cr(III) from Aqueous Solution using Borax Sludge**
SENERBERBER F. T. , Yildirim M., Mermer N. K. , Derun E.
ACTA CHIMICA SLOVENICA, vol.64, no.3, pp.654-660, 2017 (Journal Indexed in SCI)
- XXIV. **Effect of chemical admixtures on borogypsum containing cement mortar**
Kunt K., Dur F., Yildirim M., Derun E.
MAIN GROUP CHEMISTRY, vol.16, no.4, pp.227-239, 2017 (Journal Indexed in SCI)
- XXV. **Dehydration behavior and kinetics of kurnakovite under microwave irradiation**
SENERBERBER F. T. , Yildirim M., OZDOGAN I. N. , KIPÇAK A. S. , DERUN E.
TURKISH JOURNAL OF CHEMISTRY, vol.41, no.3, pp.399-409, 2017 (Journal Indexed in SCI)
- XXVI. **Determination of lemon and carbonate effects on caffeine content of various teas and investigation of daily caffeine intakes**
DEMİR F., KIPÇAK A. S. , Ozdemir O. D. , PİŞKİN M. B. , Derun E.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.41, no.5, pp.308-315, 2016 (Journal Indexed in SCI)
- XXVII. **A new approach on the evaluation of magnesium wastes in the magnesium borate synthesis using the novel method of ultrasonic irradiation**
KIPÇAK A. S. , Derun E.
RESEARCH ON CHEMICAL INTERMEDIATES, vol.42, no.8, pp.6663-6679, 2016 (Journal Indexed in SCI)
- XXVIII. **The effect of lemon on the essential element concentrations of herbal and fruit teas**
GORGULU T. Y. , Ozdemir O. D. , Kipcak A. S. , Piskin M. B. , Derun E.
APPLIED BIOLOGICAL CHEMISTRY, vol.59, no.3, pp.425-431, 2016 (Journal Indexed in SCI)
- XXIX. **Thermal dehydration kinetics and characterization of synthesized potassium borates**
Ortega Asensio M., Yildirim M., SENBERBER F. T. , KIPÇAK A. S. , Derun E.
RESEARCH ON CHEMICAL INTERMEDIATES, vol.42, no.5, pp.4859-4878, 2016 (Journal Indexed in SCI)
- XXX. **Characterization and physical properties of hydrated zinc borates synthesized from sodium borates**
Kipcak A. S. , SENBERBER F. T. , Yildirim M., Yuksel S. A. , Derun E., Tugrul N.
MAIN GROUP METAL CHEMISTRY, vol.39, pp.59-66, 2016 (Journal Indexed in SCI)
- XXXI. **Synthesis of dehydrated zinc borates using the solid-state method: Characterization and investigation of the physical properties**
KIPÇAK A. S. , ACARALI N., SENBERBER F. T. , Yildirim M., KOC S. N. T. , Yuksel S., PİŞKİN M. B. , Derun E., TUĞRUL N.
MAIN GROUP CHEMISTRY, vol.15, no.4, pp.301-313, 2016 (Journal Indexed in SCI)
- XXXII. **Characterization and thermal dehydration kinetics of zinc borates synthesized from zinc sulfate and zinc chloride**
KIPÇAK A. S. , SENBERBER F. T. , Moroydor Derun E., TUĞRUL N., Piskin S.
RESEARCH ON CHEMICAL INTERMEDIATES, vol.41, no.11, pp.9129-9143, 2015 (Journal Indexed in SCI)
- XXXIII. **Synthesis, characterisation, electrical and optical properties of copper borate compounds**
KIPÇAK A. S. , SENBERBER F. T. , Yuksel S. A. , Derun E., Piskin S.
MATERIALS RESEARCH BULLETIN, vol.70, pp.442-448, 2015 (Journal Indexed in SCI)
- XXXIV. **A low-temperature, environment-friendly approach to the synthesis of magnesium borates using magnesium waste scraps**
KAPLAN A., KIPÇAK A. S. , SENBERBER F. T. , Derun E., Piskin S.
MAIN GROUP METAL CHEMISTRY, vol.38, pp.99-110, 2015 (Journal Indexed in SCI)
- XXXV. **Characterization and thermal dehydration kinetics of admontite mineral hydrothermally synthesized from magnesium oxide and boric acid precursor**
Derun E., Kipçak A. S. , Senberber F. T. , Yilmaz M.
RESEARCH ON CHEMICAL INTERMEDIATES, vol.41, pp.853-866, 2015 (Journal Indexed in SCI)

- XXXVI. **Synthesis, characterization, and electrical and optical properties of magnesium-type boracite**
IBROSKA T., KIPÇAK A. S. , AYDIN YÜKSEL S., DERUN E., Piskin S.
TURKISH JOURNAL OF CHEMISTRY, vol.39, no.5, pp.1025-1037, 2015 (Journal Indexed in SCI)
- XXXVII. **The characterisation of mcallisterite synthesised from bischofite via the hydrothermal method**
GURSES P., Yildirim M., KIPÇAK A. S. , Yuksel S., Derun E., Piskin S.
MAIN GROUP CHEMISTRY, vol.14, no.3, pp.199-213, 2015 (Journal Indexed in SCI)
- XXXVIII. **Neutron Permeation Properties and Characterization of Synthesized Non-Hydrated Magnesium Borate Minerals**
KIPÇAK A. S. , DERUN E., SENBERBER F. T. , Ozdemir O. D. , Baysoy D. Y. , Piskin S.
ASIAN JOURNAL OF CHEMISTRY, vol.26, no.18, pp.6033-6038, 2014 (Journal Indexed in SCI)
- XXXIX. **Characterisation and determination of the neutron transmission properties of sodium-calcium and sodium borates from different regions in Turkey**
KIPÇAK A. S. , Derun E., Piskin S.
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.301, no.1, pp.175-188, 2014 (Journal Indexed in SCI)
- XL. **Determination of Essential Mineral Concentrations in Some Turkish Teas and the Effect of Lemon Addition**
Derun E.
FOOD SCIENCE AND BIOTECHNOLOGY, vol.23, no.3, pp.671-675, 2014 (Journal Indexed in SCI)
- XLII. **X-Ray, Thermal, FT-IR and morphological studies of zinc borate in presence of boric acid synthesized by ulexite**
Akgul O., Acarali N. B. , TUĞRUL N., Derun E., Piskin S.
PERIODICO DI MINERALOGIA, vol.83, no.1, pp.77-88, 2014 (Journal Indexed in SCI)
- XLIII. **DETERMINATION OF THE EFFECT OF LEMON ADDITION UPON ELEMENT CONCENTRATIONS IN TEA**
Ozdemir O. D. , KIPÇAK A. S. , Derun E., Piskin S.
INSTRUMENTATION SCIENCE & TECHNOLOGY, vol.42, no.2, pp.153-160, 2014 (Journal Indexed in SCI)
- XLIII. **Effect of Magnesium Borates on the Fire-Retarding Properties of Zinc Borates**
Kipçak A. S. , Acarali N., Derun E., Tuğrul N., Piskin S.
JOURNAL OF CHEMISTRY, 2014 (Journal Indexed in SCI)
- XLIV. **The Synthesis and Physical Properties of Magnesium Borate Mineral of Admontite Synthesized from Sodium Borates**
KIPÇAK A. S. , Yildirim M., Yuksel S. A. , Derun E., Piskin S.
ADVANCES IN MATERIALS SCIENCE AND ENGINEERING, 2014 (Journal Indexed in SCI)
- XLV. **Synthesis and characterization of magnesium borate minerals of admontite and mcallisterite obtained via ultrasonic mixing of magnesium oxide and various sources of boron: a novel method**
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DERUN E., Irmak E., Project Supported by Higher Education Institutions, Farklı Bölgelerden Alınan Dut ve Sumak Ürünlerinin Antioksidan Kapasitesinin İncelenmesi, 2018 - 2019

DERUN E., Project Supported by Higher Education Institutions, Endüstriyel Atıkların Yapı Sanayinde Değerlendirilmesi, 2015 - 2019

Derun E., Yıldırım Özen M., Project Supported by Higher Education Institutions, Evaluation of different nanoparticles and industrial wastes in cement mortar production, 2015 - 2019

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Sarı Yılmaz M., Pişkin S., Derun E., Dere Dere Özdemir Ö., Karamahmut N., Tuğrul N., Kıpçak A. S. , Project Supported by Higher Education Institutions, Hidrofobik Karakterli Gaz Beton Üretimi, 2015 - 2016

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Memberships / Tasks in Scientific Organizations

Kimya Mühendisleri Odası, Member, 1998 - Continues

Scientific Refereeing

Sigma Journal of Engineering and Natural Sciences, Other Indexed Journal, January 2016

Sigma Mühendislik ve Fen Bilimleri Dergisi, National Scientific Refreed Journal, June 2014

International Journal of Mineral Processing, SCI Journal, March 2010

Scientific Consultations

Yıldız Teknik Üniversitesi – Teknopark, Project Consultancy, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, Turkey, 2016 - 2016

Mobility Activity

Other Exchange Programme, Get Education, Universitaet Siegen, Germany, 1997 - 1997

Edit Congress and Symposium Activities

ICMMP 2013 : International Conference on Materials and Materials Processing, Attendee, Praha, Czech Republic, 2013
ICCE 2012: International Conference on Chemical Engineering, Attendee, Paris, France, 2012
2011 International Conference on Chemistry and Chemical Process (ICCCP 2011), Attendee, Krung Thep, Thailand, 2011
World Congress on Engineering (WCE 2010), Attendee, London, United Kingdom, 2010
6th Chemical Engineering Conference for Collaborative Research in Eastern Mediterranean Countries, Attendee, Antalya, Turkey, 2010
1st Conference on Chemical Engineering and Advanced Materials, Attendee, Napoli, Italy, 2009
3rd Balkan Mining Congress, Attendee, İzmir, Turkey, 2009
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