

## Prof. ASİM OLGUN

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: ABD-2316-2020

ScopusID: 6603877210

Yoksis Researcher ID: 4774

### Education Information

Doctorate, The University of Sussex, Faculty Of Arts And Science, United Kingdom 1994 - 1998

Postgraduate, Marmara University, Institute For Graduate Studies İn Pure And Applied Sciences, Kimya Eđitimi (YI), Turkey 1986 - 1990

Undergraduate, Marmara University, Atatürk Faculty Of Education, Mathematics And Science Education, Turkey 1982 - 1986

### Foreign Languages

English, C1 Advanced

### Dissertations

Postgraduate, SERAMİK MAMÜLLERİNDE HIZLI VE YAVAŞ PİŞİRME ÖZELLİKLERİNİN İNCELENMESİ, Marmara University, Fen Bilimleri Enstitüsü, Kimya Eđitimi (YI), 1990

### Research Areas

Natural Sciences

### Academic Titles / Tasks

Professor, Bursa Uludađ University, Fen-Edebiyat Fakóltesi, Kimya, 2016 - Continues

Professor, Kütahya Dumlupınar University, FEN EDEBİYAT FAK, KİMYA, 2010 - 2016

Associate Professor, Kütahya Dumlupınar University, FEN EDEBİYAT FAKÖLTESİ, KİMYA, 2005 - 2010

Assistant Professor, Kütahya Dumlupınar University, FEN EDEBİYAT FAKÖLTESİ, KİMYA, 1998 - 2005

Research Assistant, Dumlupınar Üniversitesi, Fen-Edebiyat Fakóltesi, Kimya Bölümü, 1993 - 1998

### Academic and Administrative Experience

## Courses

QUANTUM CHEMISTRY, Undergraduate, 2021 - 2022  
FİZİKOKİMYA LABORATUVARI II, Undergraduate, 2021 - 2022  
SCIENTIFIC ENGLISH, Undergraduate, 2022 - 2023  
ARAYÜZEY BİLİMİ II, Doctorate, 2021 - 2022  
GENEL KİMYA, Undergraduate, 2021 - 2022  
KİMYADA PRATİK HESAPLAR, Undergraduate, 2020 - 2021  
LIGHT AND CHEMISTRY, Undergraduate, 2020 - 2021  
İLERİ FİZİKOKİMYA, Postgraduate, 2021 - 2022  
ARAYÜZEY BİLİMİ I, Doctorate, 2021 - 2022  
CHEMICAL THERMODYNAMICS, Undergraduate, 2021 - 2022  
FİZİKOKİMYA LABORATUVARI I, Undergraduate, 2021 - 2022

## Advising Theses

OLGUN A., Bor içeren yeni bir poliokzometalat bileşiğinin sentezi yapısının karakterizasyonu ve katalitik aktivitesinin belirlenmesi, Postgraduate, E.KANAR(Student), 2016  
OLGUN A., Sulu çözeltilerden bazik tekstil boyarmaddelerin giderilmesi, Postgraduate, H.İBRAHİM(Student), 2013  
OLGUN A., Bor mineralleri zenginleştirme prosesi atıklarının, ağır metallerin sulu çözeltilerden uzaklaştırılmasında kullanılabilirliğinin araştırılması, Postgraduate, A.TOKU(Student), 2013  
OLGUN A., Sulu çözeltiden anyonik tekstil boyarmaddelerin, fosfatın ve nitratın bor endüstri atığı kullanarak kesikli ve sürekli sistemlerde adsorpsiyonu, Doctorate, N.ATAR(Student), 2012  
OLGUN A., Sulu çözeltiden ağır metallerin uzaklaştırılması, Postgraduate, O.AYKOÇ(Student), 2009  
OLGUN A., Atık sularından bakır (II) ve kobalt (III) iyonlarının adsorpsiyon metoduyla uzaklaştırılması, Postgraduate, G.KARAKAYA(Student), 2008  
OLGUN A., Atık sularından nikel (II) ve kurşun (II) iyonlarının adsorpsiyon metoduyla uzaklaştırılması, Postgraduate, E.YERLİKAYA(Student), 2008  
OLGUN A., Suda çözünen polimerlerin çimento ve beton özellikleri üzerine etkisinin incelenmesi, Postgraduate, N.ATAR(Student), 2006  
OLGUN A., Bazı organik maddelerin ve suda çözünen polimerlerin duvar karosu üzerine fizikokimyasal etkisinin incelenmesi, Postgraduate, Y.KALAFAT(Student), 2005  
OLGUN A., Polimer katkılı çimentoların incelenmesi, Postgraduate, B.ZEYBEK(Student), 2003  
OLGUN A., Bor endüstri atıklarının tuğla ve kiremit endüstrisinde kullanılması, Postgraduate, Z.TUNÇ(Student), 2003  
OLGUN A., Borlu çimentoların teknik özellikleri üzerine melasın etkisi, Postgraduate, B.ERTAN(Student), 2003  
OLGUN A., Bor endüstri atıklarının seramik üretiminde kullanımı, Postgraduate, Y.AYHAN(Student), 2002

## Jury Memberships

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Bursa Uludağ Üniversitesi, December, 2022  
Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Bursa Teknik Üniversitesi, November, 2022  
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Bursa Uludağ Üniversitesi, October, 2022  
Academic Staff Examination, Academic Staff Examination, Muğla Sıtkı Koçman Üniversitesi, June, 2022

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Bursa Uludağ Üniversitesi, June, 2022

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Bursa Uludağ Üniversitesi, May, 2022

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Bursa Uludağ Üniversitesi, May, 2022

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Bursa Teknik Üniversitesi, January, 2022

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

- I. **A new Keggin-type polyoxometalate catalyst for degradation of aqueous organic contaminants**  
OLGUN A., ÇOLAK A. T., GÜBBÜK İ. H., ŞAHİN O., Kanar E.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1134, pp.78-84, 2017 (SCI-Expanded)
- II. **Adsorptive properties of molasses modified boron enrichment waste based nanoclay for removal of basic dyes**  
Gupta V. K., Agarwal S., Olgun A., Demir H. I., Yola M. L., Atar N.  
JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY, vol.34, pp.244-249, 2016 (SCI-Expanded)
- III. **Facile and green fabrication of silver nanoparticles on a polyoxometalate for Li-ion battery**  
Eren T., Atar N., Yola M. L., Karimi-Maleh H., Colak A. T., Olgun A.  
IONICS, vol.21, no.8, pp.2193-2199, 2015 (SCI-Expanded)
- IV. **Effect of mixing water types on the time-dependent zeta potential of Portland cement paste**  
Ersoy B., Dikmen S., Uygunoglu T., Icduygu M. G., Kavas T., Olgun A.  
SCIENCE AND ENGINEERING OF COMPOSITE MATERIALS, vol.20, no.3, pp.285-292, 2013 (SCI-Expanded)
- V. **Heavy metal resistances and biosorptive behaviors of Paenibacillus polymyxa: Batch and column studies**  
Colak F., Olgun A., Atar N., Yazicioglu D.  
JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY, vol.19, no.3, pp.863-869, 2013 (SCI-Expanded)
- VI. **Batch and column studies of phosphate and nitrate adsorption on waste solids containing boron impurity**  
Olgun A., Atar N., Wang S.  
CHEMICAL ENGINEERING JOURNAL, vol.222, pp.108-119, 2013 (SCI-Expanded)
- VII. **Equilibrium, thermodynamic and kinetic studies for the adsorption of lead (II) and nickel (II) onto clay mixture containing boron impurity**  
Olgun A., Atar N.  
JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY, vol.18, no.5, pp.1751-1757, 2012 (SCI-Expanded)
- VIII. **Adsorption of cadmium (II) and zinc (II) on boron enrichment process waste in aqueous solutions: Batch and fixed-bed system studies**  
Atar N., Olgun A., Wang S.  
CHEMICAL ENGINEERING JOURNAL, vol.192, pp.1-7, 2012 (SCI-Expanded)
- IX. **Chemical and mineralogical characterization of archaeological building materials from Seyitömer Höyük, Kütahya, Turkey**  
Bilgen N., Olgun A.  
Mediterranean Archaeology and Archaeometry, vol.12, no.1, pp.1-9, 2012 (AHCI)
- X. **Biosorption of lead from aqueous solutions by Bacillus strains possessing heavy-metal resistance**  
Colak F., Atar N., Yazicioglu D., Olgun A.  
CHEMICAL ENGINEERING JOURNAL, vol.173, no.2, pp.422-428, 2011 (SCI-Expanded)
- XI. **Adsorption of Anionic Dyes on Boron Industry Waste in Single and Binary Solutions Using Batch and Fixed-Bed Systems**  
Atar N., Olgun A., Wang S., Liu S.

- JOURNAL OF CHEMICAL AND ENGINEERING DATA, vol.56, no.3, pp.508-516, 2011 (SCI-Expanded)
- XII. **Removal of copper and cobalt from aqueous solution onto waste containing boron impurity**  
Olgun A., Atar N.  
CHEMICAL ENGINEERING JOURNAL, vol.167, no.1, pp.140-147, 2011 (SCI-Expanded)
- XIII. **Biosorption study of anionic dyes from aqueous solutions using *Bacillus amyloliquefaciens***  
Yenikaya C., Atar E., Olgun A., Atar N., Ilhan S., Colak F.  
ENGINEERING IN LIFE SCIENCES, vol.10, no.3, pp.233-241, 2010 (SCI-Expanded)
- XIV. **Synthesis, Spectral, Thermal Analysis, Biological Activity and Kinetic Studies of Copper(II)-Pyridine-2,5-dicarboxylate Complexes with 2-Aminomethylpyridine and 8-Hydroxyquinoline.**  
Colak A., Colak F., Atar N., Olgun A.  
Acta chimica Slovenica, vol.57, pp.212-21, 2010 (SCI-Expanded)
- XV. **Removal of basic and acid dyes from aqueous solutions by a waste containing boron impurity**  
Atar N., Olgun A.  
DESALINATION, vol.249, no.1, pp.109-115, 2009 (SCI-Expanded)
- XVI. **Biosorption of acidic dyes from aqueous solution by *Paenibacillus macerans*: Kinetic, thermodynamic and equilibrium studies**  
Colak F., Atar N., Olgun A.  
CHEMICAL ENGINEERING JOURNAL, vol.150, no.1, pp.122-130, 2009 (SCI-Expanded)
- XVII. **Equilibrium and kinetic adsorption study of Basic Yellow 28 and Basic Red 46 by a boron industry waste**  
Olgun A., Atar N.  
JOURNAL OF HAZARDOUS MATERIALS, vol.161, no.1, pp.148-156, 2009 (SCI-Expanded)
- XVIII. **Thermodynamic, Equilibrium and Kinetic Study of the Biosorption of Basic Blue 41 using *Bacillus macerans***  
Atar N., Olgun A., Colak F.  
ENGINEERING IN LIFE SCIENCES, vol.8, no.5, pp.499-506, 2008 (SCI-Expanded)
- XIX. **Effect of DMA-MMA diblock copolymer on the properties of Portland and composite cement**  
Olgun A., Atar N., Butun V., Erdogan Y.  
CEMENT & CONCRETE COMPOSITES, vol.30, no.4, pp.334-346, 2008 (SCI-Expanded)
- XX. **Studies on cement and mortar containing low-calcium fly ash, limestone, and dolomitic limestone**  
Yimaz B., Olgun A.  
CEMENT & CONCRETE COMPOSITES, vol.30, no.3, pp.194-201, 2008 (SCI-Expanded)
- XXI. **Removal of acid blue 062 on aqueous solution using calcinated colemanite ore waste**  
Atar N., Olgun A.  
JOURNAL OF HAZARDOUS MATERIALS, vol.146, pp.171-179, 2007 (SCI-Expanded)
- XXII. **Physico-chemical characteristics of chemically activated cement containing boron**  
Olgun A., Kavas T., Erdogan Y., Once G.  
BUILDING AND ENVIRONMENT, vol.42, no.6, pp.2384-2395, 2007 (SCI-Expanded)
- XXIII. **The effect of pectin on the physicochemical and mechanical properties of cement containing boron**  
Kavas T., Olgun A., Erdogan Y., Once G.  
BUILDING AND ENVIRONMENT, vol.42, no.4, pp.1803-1809, 2007 (SCI-Expanded)
- XXIV. **Setting and hardening of borogypsum-Portland cement clinker-fly ash blends. Studies on effects of molasses on properties of mortar containing borogypsum**  
Kavas T., Olgun A., Erdogan Y.  
CEMENT AND CONCRETE RESEARCH, vol.35, no.4, pp.711-718, 2005 (SCI-Expanded)
- XXV. **Development of ceramic tiles from coal fly ash and tincal ore waste**  
Olgun A., Erdogan Y., Ayhan Y., Zeybek B.  
CERAMICS INTERNATIONAL, vol.31, no.1, pp.153-158, 2005 (SCI-Expanded)
- XXVI. **Influence of natural pozzolan, colemanite ore waste, bottom ash, and fly ash on the properties of Portland cement**  
Targan S., Olgun A., Erdogan Y., Sevinc V.

- CEMENT AND CONCRETE RESEARCH, vol.33, no.8, pp.1175-1182, 2003 (SCI-Expanded)
- XXVII. **Effects of supplementary cementing materials on the properties of cement and concrete**  
Targan S., Olgun A., Erdogan Y., Sevinc V.  
CEMENT AND CONCRETE RESEARCH, vol.32, no.10, pp.1551-1558, 2002 (SCI-Expanded)
- XXVIII. **An investigation on the use of tincal ore waste, fly ash, and coal bottom ash as Portland cement replacement materials**  
Kula I., Olgun A., Sevinc V., Erdogan Y.  
CEMENT AND CONCRETE RESEARCH, vol.32, no.2, pp.227-232, 2002 (SCI-Expanded)
- XXIX. **Effects of colemanite waste, coal bottom ash, and fly ash on the properties of cement**  
Kula I., Olgun A., Erdogan Y., Sevinc V.  
CEMENT AND CONCRETE RESEARCH, vol.31, no.3, pp.491-494, 2001 (SCI-Expanded)

### **Refereed Congress / Symposium Publications in Proceedings**

- I. **DEVELOPMENT OF WATER BASED ADHESIVES FOR DIFFERENT INDUSTRIAL APPLICATIONS- RUBBER TO METAL BONDING AGENTS**  
ERKEN GÜNEŞ S., OLGUN A., GÖRÜR M.  
International Marmara Sciences Congress, Kocaeli, Turkey, 13 May 2022, pp.181-187
- II. **Adsorption of Hexavalent Chromium from an aqueous phase by chemically modified composite material containing boron**  
OLGUN A., KARA A., SEVİNÇ P.  
Uluslararası Bor Sempozyumu, Nevşehir, Turkey, 17 - 19 April 2019
- III. **Comparison of Adsorption Behavior of Phenol onto Magnetic and Nonmagnetic Polymer Microspheres**  
ÖZDEMİR İ., KARA A., TEKİN N., OLGUN A.  
18th INTERNATIONAL CHROMATOGRAPHY CONGRESS, 15 - 18 November 2018
- IV. **The Removing of The Reactive Orange 16 onto the Magnetic Polymer Microparticles via Adsorption**  
KARA A., EREN H. A., EREN S., OLGUN A., Kaplan B., Yıldız K.  
AUTEX 2018, 18th AUTEX World Textile Conference, İstanbul, Turkey, 20 - 22 June 2018, pp.512-513
- V. **The Polymeric Microparticles for Removal of Reactive Black 5 from Aqueous Solution**  
EREN H. A., KARA A., EREN S., OLGUN A., Kaplan B., Yıldız K.  
AUTEX 2018, 18th AUTEX World Textile Conference, İstanbul, Turkey, 20 - 22 June 2018, pp.86-87
- VI. **Congo Red Adsorption onto Polymeric Composites: Isothermal Study**  
Karaş S., SÖZÜGEÇER S., KARA A., OLGUN A.  
3rd International Porous and Powder Materials Symposium and Exhibition, PPM 2017, 12 - 15 September 2017
- VII. **Adsorption of Congo red from aqueous solution by a waste containing boron impurity**  
OLGUN A., KARA A., Durmuş Z., Özkan E., Başbüyük E.  
3rd International Porous and Powder Materials Symposium and Exhibition, PPM 2017, 12 - 15 September 2017
- VIII. **Removal of Basic Yellow 13 Textile Dye Pollutions with Polymeric Adsorbents**  
Güler E., SÖZÜGEÇER S., KARA A., OLGUN A.  
3rd International Porous and Powder Materials Symposium and Exhibition, PPM 2017, 12 - 15 September 2017
- IX. **Cationic Dye Removal from Textile Waste-water by Using Magnetic Polymer Adsorbents**  
KARA A., İLKAY AYDIN Ö., SÖZÜGEÇER S., OLGUN A.  
3rd International Porous and Powder Materials Symposium and Exhibition, PPM 2017, 12 - 15 September 2017
- X. **Acid Blue 113 remediation from water using polymer modified waste containing boron impurity**  
OLGUN A., BÜTÜN V., ANNAÇ H.  
19th International Conference on Researches in Science Technology (ICRST), 27-28 July 2017, Barcelona, Spain, 27 - 28 July 2017
- XI. **Cytotoxic and Morphologic effects of new synthetic boron compound agent on A549 cells**  
ÖZTOPCU VATAN A. P., UĞURLUGÜNGÖR H., Kanar E., OLGUN A., ÇOLAK A. T.

3rd INTERNATIONAL CONGRESS on APPLIED BIOLOGICAL SCIENCES, 9 - 12 July 2017

**XII. EFFECTS OF BOROTUNGSTATE AGENT ON CELL SURVIVAL AND MORPHOLOGY IN NON SMALL LUNG CANCER CELL LINE**

Öztopçu Vatan P., Uğurlugüngör H., Kanar E., OLGUN A., ÇOLAK A. T.

1st International Cell Death Research Congress-Turkey, 4 - 07 May 2016

**XIII. Silver Nanoparticles Decorated Polyoxometalate Nanocomposite as an Ultrahigh Capacity Anode Material for Lithium Ion Battery**

OLGUN A., ATAR N., ÇOLAK A. T., YOLA M. L., Eren T.

XII International Conference on Nanostructured Materials, (Nano 2014), 13 August 2013 - 18 August 2014

**XIV. Adequacy of Spectroscopic Characterization of Electrochemically Grafted Nanofilms**

ATAR N., SOLAK A. O., ÜSTÜNDAĞ İ., OLGUN A., EKŞİ KOÇAK H., DURGUN Z.

2nd Nano Today Conference, 11 - 15 December 2011

**XV. Ru@Au Bimetallic Nanoparticle Involved Alginate Beads**

ATAR N., ÜSTÜNDAĞ İ., OLGUN A., ÜSTÜNDAĞ Z., EKŞİ KOÇAK H., SOLAK A. O.

2nd Nano Today Conference, 11 - 15 December 2011

**XVI. Thermodynamic, Equilibrium and Kinetic Study of the Biosorption of Basic Blue 41 using Bacillus macerans, 2nd International Symposium on Biothermodynamics**

ATAR N., ÇOLAK F., OLGUN A.

2nd International Symposium on Biothermodynamics, Amsterdam, Netherlands, 21 February 2008

## Scientific Refereeing

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Bursa Uludağ University, Turkey, January 2024

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Bursa Uludağ University, Turkey, January 2024

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Bursa Uludağ University, Turkey, January 2024

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Bursa Uludağ University, Turkey, July 2023

TUBITAK Project, 1501 - Industry R & D Projects Support Program, MYD GRUP A.Ş, Turkey, April 2022

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Bursa Uludağ University, Turkey, September 2021

## Metrics

Publication: 46

Citation (WoS): 1648

Citation (Scopus): 1789

H-Index (WoS): 21

H-Index (Scopus): 22

## Non Academic Experience

Milli Eğitim Bakanlığı