

Assoc. Prof. SUZAN ABDURRAHMANOĞLU

Personal Information

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Education Information

Doctorate, Marmara University, Faculty of Arts and Sciences, Chemistry, Turkey 1999 - 2005

Post Graduate, Marmara University, Faculty of Arts and Sciences, Chemistry, Turkey 1997 - 1999

Under Graduate, İstanbul Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Kimya Mühendisliği Bölümü, Turkey 1989 - 1993

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Selüloz ve Dekstranın Akrilatlarla Kopolimerizasyonu, Marmara University, Fen Bilimleri Enstitüsü, Kimya Anabilim Dalı, 2005

Post Graduate, "Bazı Vinil ve Akril Monomerlerle Selülozun ve Nişastanın Graft Kopolimerizasyonu", Marmara University, Fen Bilimleri Enstitüsü, Kimya Anabilim Dalı, 1999

Research Areas

Chemistry, Physical Chemistry, Computational Chemistry, Quantum Mechanics, Characterization of Polymers, Polymeric Materials, Cellulose and its Derivatives

Academic Titles / Tasks

Associate Professor, Marmara University, Faculty of Arts and Sciences, Chemistry, 2015 - Continues

Research Assistant, Marmara University, Faculty of Arts and Sciences, Chemistry, 1997 - 2015

Professional Experience

Erasmus Coordinator, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Chemistry, 2011 - Continues

Assistant Coordinator, Marmara University, Faculty of Arts and Sciences, Chemistry, 2011 - Continues
Deputy Head of Department, Marmara University, Faculty of Arts and Sciences, Chemistry, 2015 - 2018

Courses

Research Project, Under Graduate, 2017 - 2018, 2018 - 2019, 2019 - 2020
Physical Chemistry II, Under Graduate, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019
Physical Chemistry Lab I, Under Graduate, 2015 - 2016, 2016 - 2017, 2018 - 2019
Chemical Kinetics, Under Graduate, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019
GENERAL CHEMISTRY I, Under Graduate, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020
Theoretical Chemistry, Under Graduate, 2018 - 2019
Chemical Kinetics, Under Graduate, 2015 - 2016, 2016 - 2017, 2017 - 2018
Physical Chem Lab I, Under Graduate, 2018 - 2019
Polymeric gels and networks, Post Graduate, 2017 - 2018, 2018 - 2019
Physical Chemistry of Polymers, Post Graduate, 2017 - 2018
Polimerlerin Fizikokimyası I, Post Graduate, 2015 - 2016
General Chemistry I, Under Graduate, 2014 - 2015, 2015 - 2016
Basic Chemistry, Under Graduate, 2015 - 2016
General Chemistry Lab I, Under Graduate, 2014 - 2015, 2015 - 2016
Research project, Under Graduate, 2015 - 2016
Fizikokimya Laboratuvarı II, Under Graduate, 2014 - 2015
Kimyasal Kinetik, Under Graduate, 2013 - 2014, 2014 - 2015
Kataliz ve Adsorpsiyon, Under Graduate, 2013 - 2014
Nuclear Chemistry, Under Graduate, 2011 - 2012

Advising Theses

Abdurrahmanoğlu S., Özmen M. M. , Farklı zincir uzunluklarına sahip alkilleyici ajanlarla poli(4-vinilpiridin-co-n-vinilpirolidon) kopolimerinin kuarternizasyonu ve antibakteriyel uygulamaları, Post Graduate, D.GÖKKAYA(Student), 2019
ABDURRAHMANOĞLU S., Farklı zincir uzunluklarına sahip alkilleyici ajanlarla poli (4-vinilpiridin-co-n-vinilpiridin) kopolimerinin kuarternizasyonu ve antibakteriyel uygulamaları, Post Graduate, D.Gökkaya(Student), 2019
KARATAŞ S., ABDURRAHMANOĞLU S., Biyo-esashlı polimer nanokompozit malzemelerin sentezi ve kaplama uygulamaları, Post Graduate, Y.EREN(Student), 2018
ABDURRAHMANOĞLU S., KAYAMAN APOHAN N., Organik-inorganik hibrit hidrojenlerin hazırlanması ve karakterizasyonu, Post Graduate, Ö.DOĞRU(Student), 2014

Jury Memberships

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, April, 2018
Post Graduate, Post Graduate, Marmara Üniversitesi, December, 2017
Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, September, 2017
Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, July, 2017
Post Graduate, Post Graduate, Marmara Üniversitesi, June, 2017
Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, May, 2017
Post Graduate, Post Graduate, İstanbul Teknik Üniversitesi, December, 2016
Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, July, 2016
Appointment Academic Staff, Appointment Academic Staff, Marmara Üniversitesi, June, 2016

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

- I. **Antibacterial properties of cationic copolymers as a function of pendant alkyl chain length and degree of quaternization**
Gokkaya D., Topuzoğulları M., Arasoğlu T., Trabzonlu K., Özmen M. M., Abdurrahmanoğlu S.
POLYMER INTERNATIONAL, 2021 (Journal Indexed in SCI)
- II. **Synthesis and Antibacterial Activity of New Chiral Aminoalcohol and Benzimidazole Hybrids**
Cicek I., TUNÇ T., Ogutcu H., ABDURRAHMANOĞLU S., GÜNEL A., DEMİREL N.
CHEMISTRYSELECT, vol.5, no.15, pp.4650-4654, 2020 (Journal Indexed in SCI)
- III. **Rheological characterization of starch gels: A biomass based sorbent for removal of polycyclic aromatic hydrocarbons (PAHs)**
TUNCABOYLU D. C., ABDURRAHMANOĞLU S., GAZİOĞLU I.
JOURNAL OF HAZARDOUS MATERIALS, vol.371, pp.406-414, 2019 (Journal Indexed in SCI)
- IV. **Preparation and characterization of modified nanosilica/PNIPAm hybrid cryogels**
Dogru O., ABDURRAHMANOĞLU S., KAYAMAN APOHAN N.
POLYMER BULLETIN, vol.72, no.5, pp.993-1005, 2015 (Journal Indexed in SCI)
- V. **Self-healing hydrogels formed in cationic surfactant solutions**
Akay G., Hassan-Raeisi A., Tuncaboylu D. C., Orakdöğen N., ABDURRAHMANOĞLU S., Oppermann W., Okay O.
SOFT MATTER, vol.9, no.7, pp.2254-2261, 2013 (Journal Indexed in SCI)
- VI. **Dodecyl methacrylate as a crosslinker in the preparation of tough polyacrylamide hydrogels**
ABDURRAHMANOĞLU S., Cilingir M., Okay O.
POLYMER, vol.52, no.3, pp.694-699, 2011 (Journal Indexed in SCI)
- VII. **Rheological Behavior of Polymer-Clay Nanocomposite Hydrogels: Effect of Nanoscale Interactions**
ABDURRAHMANOĞLU S., Okay O.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.116, no.4, pp.2328-2335, 2010 (Journal Indexed in SCI)
- VIII. **Design of high-toughness polyacrylamide hydrogels by hydrophobic modification**
ABDURRAHMANOĞLU S., Can V., OKAY O.
POLYMER, vol.50, no.23, pp.5449-5455, 2009 (Journal Indexed in SCI)
- IX. **Homogeneous Poly(acrylamide) Hydrogels Made by Large Size, Flexible Dimethacrylate Cross-Linkers**
ABDURRAHMANOĞLU S., Okay O.
MACROMOLECULES, vol.41, no.20, pp.7759-7761, 2008 (Journal Indexed in SCI)
- X. **Equilibrium swelling behavior and elastic properties of polymer-clay nanocomposite hydrogels**
ABDURRAHMANOĞLU S., Can V., Okay O.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.109, no.6, pp.3714-3724, 2008 (Journal Indexed in SCI)
- XI. **Preparation of homogeneous hydrogels by controlling the crosslinker reactivity and availability**
ABDURRAHMANOĞLU S., Okay O.
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, vol.45, no.9, pp.769-775, 2008 (Journal Indexed in SCI)
- XII. **Synthesis and characterization of new dextran-acrylamide gels**
Abdurrahmanoglu S., Firat Y.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.106, no.6, pp.3565-3570, 2007 (Journal Indexed in SCI)
- XIII. **Unusual swelling behavior of polymer-clay nanocomposite hydrogels**
Can V., Abdurrahmanoglu S., Okay O.
POLYMER, vol.48, no.17, pp.5016-5023, 2007 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Farklı zincir uzunluklarına sahip alkilleyici ajanlarla Poli(4-Vinilpiridin-ko-N-Vinil Prolidon) kopolimerlerinin kuarternizasyonu ve antibakteriyel uygulamaları**
Abdurrahmanoğlu S., Özmen M. M. , Topuzoğulları M., Arasoğlu T.
2nd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2019), İstanbul, Turkey, 28 - 29 June 2019, pp.112
- II. **Yeni Ftalosyanin Bileşikler ile Pseudomonas aeruginosa'ya Karşı Quorum Sensing İnhibisyonu**
ABDURRAHMANOĞLU S., ABDURRAHMANOĞLU Ş., GOKALSIN B., SESAL N. C.
30. ULUSAL KİMYA KONGRESİ, Turkey, 5 - 08 November 2018
- III. **Synthesis of Bio-Based Polymer Nanocomposite Materials and Their Coating Applications**
Abdurrahmanoğlu S., Karataş S.
Paintistanbul and Turkcoat 2018, İstanbul, Turkey, 20 - 21 March 2018, pp.16
- IV. **QUORUM SENSING INHIBITION EFFECTS OF NOVEL PHYTALOCYANINE COMPOUNDS AGAINST Pseudomonasaeruginosa**
ABDURRAHMANOĞLU S., ABDURRAHMANOĞLU Ş., SESAL N. C.
5th International Bahçeşehir University (BAU) Drug Design Congress, 19 - 21 October 2017
- V. **In Silico Analysis of Inhibition Effect of protoporphyrin IX derivatives on Quorum Sensing System of pseudomonas aeruginosa**
ABDURRAHMANOĞLU S., SESAL N. C.
International Symposium on Synthesis and Catalysis 2017, 5 - 08 September 2017
- VI. **Theoretical Modelling of Copolymerization reaction of cellulose units with methyl acrylate**
ABDURRAHMANOĞLU S., ERDEM S.
International Congress on Chemical Biological and Environmental Sciences ICCBES2015, 7 - 09 May 2015, pp.584-585
- VII. **A DFT Study on the Structure and Stabilities of Tetrahydropyran Derivatives**
ABDURRAHMANOĞLU S., firat y., çınar z.
10th International Conference on the Applications of DFT in Chemsitry and Physics, 7 - 12 September 2003
- VIII. **A DFT Study of Modelling Cellulose**
ABDURRAHMANOĞLU S., ERDEM S.
27th Molecular Modeling Workshop, 25 - 27 February 2013
- IX. **Homogeneous Polyacrylamide Hydrogels Made By Large Size Flexible Dimethacrylate Crosslinker**
ABDURRAHMANOĞLU S., OKAY O.
8th International Conference on Advanced Polymers via Macromolecular Engineering, 4 - 07 October 2009
- X. **Synthesis and Characterization of New Dextran Gels**
ABDURRAHMANOĞLU S., Firat Y.
4th European Symposium on Biopolymers, 02 October 2007 - 04 September 2003
- XI. **DFT and Ab Initio Study of Structures of Alkylolithiums**
Tirişoğlu Demir T., ABDURRAHMANOĞLU S., Çınar Z.
10th International Conference on the Applications of DFT in Chemsitry and Physics, 7 - 12 September 2003
- XII. **An Ab Initio Study on the Structure of Tetrahydropyran Derivatives**
ABDURRAHMANOĞLU S., Firat y., çınar z.
Chemical Physics V, 31 October - 01 November 2002
- XIII. **Selülozun Graft Kopolimerizasyonunda Oluşan Radikallerin PM3 Yöntemi ile Belirlenmesi**
ABDURRAHMANOĞLU S., Zekiye Ç.
Chemical Physics IV, 28 - 29 September 2000

Memberships / Tasks in Scientific Organizations

Türk Kimya Derneği, Member, 2018 - Continues

Scientific Refereeing

TURKISH JOURNAL OF CHEMISTRY, Journal Indexed in SSCI, November 2011

TURKISH JOURNAL OF CHEMISTRY, Journal Indexed in SSCI, March 2011

TURKISH JOURNAL OF CHEMISTRY, Journal Indexed in SSCI, March 2010

Tasks In Event Organizations

Çubuk S., ABDURRAHMANOĞLU S., 30th National Chemistry Congress, Scientific Congress, Gazimagusa, Cyprus (Kktc), Kasım 2018

Mobility Activity

Bilateral Colloboration Agreement, Scientific Research, Technische Universitaet Clausthal, Germany, 2011 - 2011

Edit Congress and Symposium Activities

27th Molecular Modelling Workshop, Working Group, Erlangen, Germany, 2013

Citations

Total Citations (WOS):494

h-index (WOS):9