

Assoc. Prof. FADİME FULYA TAKTAK

Personal Information

Email: fulya.taktak@usak.edu.tr

Web: <https://avesis.usak.edu.tr/fulya.taktak>

International Researcher IDs

ORCID: 0000-0002-5968-5054

Yoksis Researcher ID: 54033

Education Information

Doctorate, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 2005 - 2009

Postgraduate, Anadolu University, Fen Bilimleri Enstitüsü, Anorganik Kimya (YI) (Tezli), Turkey 2002 - 2005

Undergraduate, Anadolu University, Fen Fakültesi, Kimya Bölümü, Turkey 1997 - 2001

Dissertations

Doctorate, Yeni tip yüzey aktif triblok kopolimerlerin sentezi, karakterizasyonu, çözelti davranışlarının incelenmesi ve hidrojel eldesinde kullanılmaları, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Kimya (Dr), 2009

Academic Titles / Tasks

Associate Professor, Usak University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2017 - Continues

Usak University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2011 - 2017

Research Assistant, Afyon Kocatepe University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2001 - 2011

Academic and Administrative Experience

Usak University, 2014 - Continues

Usak University, 2014 - Continues

Courses

POLİMER KOMPOZİTLER, Postgraduate, 2017 - 2018

İLAÇ VE GEN SALIMI, Postgraduate, 2017 - 2018

POLİMER BİLİMİNE GİRİŞ, Postgraduate, 2017 - 2018, 2016 - 2017, 2014 - 2015

POLİMER KİMYASI, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013

GENEL KİMYA II, Undergraduate, 2017 - 2018, 2012 - 2013

GENEL KİMYA LAB II, Undergraduate, 2017 - 2018, 2015 - 2016, 2014 - 2015, 2012 - 2013

BİTİRME ÖDEVİ STAJI, Undergraduate, 2017 - 2018, 2015 - 2016, 2014 - 2015, 2013 - 2014

BİTİRME ÖDEVİ, Undergraduate, 2017 - 2018, 2015 - 2016, 2014 - 2015, 2013 - 2014

GENEL KİMYA LAB I, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013

GENEL KİMYA I, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

ENSTRÜMENTAL ANALİZ, Undergraduate, 2017 - 2018, 2012 - 2013
POLİMER JELLER VE AĞ YAPILAR, Postgraduate, 2015 - 2016
KONTROLLÜ SALIM SİSTEMLERİ, Undergraduate, 2015 - 2016, 2012 - 2013
ORGANİK KİMYA, Undergraduate, 2014 - 2015, 2012 - 2013
ÇEVRE KİMYASI, Undergraduate, 2013 - 2014, 2012 - 2013
ANALİTİK KİMYA LAB , Undergraduate, 2012 - 2013
FİZİKOKİMYA, Undergraduate, 2012 - 2013, 2011 - 2012
BİYOTEKNOLOJİ, Undergraduate, 2012 - 2013
TEKSTİL KİMYASI, Undergraduate, 2012 - 2013

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Adsorption Mechanism of Xanthan Gum Based Hydrogel Adsorbent for the Removal of Cationic Methylene Blue from Aqueous Solutions**
TAKTAK F. F., Özyaranlar E.
Journal of Macromolecular Science, Part B: Physics, vol.62, no.5, pp.214-227, 2023 (SCI-Expanded)
- II. **Semi-interpenetrating network based on xanthan gum-cl-2-(N-morpholinoethyl methacrylate)/titanium oxide for the single and binary removal of cationic dyes from water**
TAKTAK F. F., Özyaranlar E.
International Journal of Biological Macromolecules, vol.221, pp.238-255, 2022 (SCI-Expanded)
- III. **Exploring the Adsorption Performance of Gum Xanthan/Poly (Acrylic Acid-co-2-(Diethylamino)ethyl Methacrylate) based Adsorbent Toward Cationic and Anionic Dyes**
TAKTAK F. F., Şimşek S.
Journal of Macromolecular Science, Part B: Physics, vol.61, no.10-11, pp.1282-1301, 2022 (SCI-Expanded)
- IV. **Characterization of PDPA-b-PDMA-b-PDPA triblock copolymer Langmuir-Blodgett films for organic vapor sensing application**
AÇIKBAŞ Y., TAKTAK F. F., TUNCER C., BÜTÜN V., Capan R., Erdogan M.
Molecular Crystals and Liquid Crystals, vol.634, no.1, pp.104-117, 2016 (SCI-Expanded)
- V. **Synthesis and Selective Extractant Properties of a Calixarene Thioether Derivative and its Oligomeric Analogue**
UYSAL AKKUŞ G., ASLAN S., TAKTAK F. F., SHAHABUDDIN M.
TURKISH JOURNAL OF CHEMISTRY, vol.32, no.5, pp.635-643, 2008 (SCI-Expanded)

Articles Published in Other Journals

- I. **Rapid Deswelling of PDMAEMA Hydrogel in Response to pH and Temperature Changes and Its Application in Controlled Drug Delivery**
TAKTAK F. F.
Afyon Kocatepe University Journal of Sciences and Engineering, vol.16, no.1, pp.68-75, 2016 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **TEKSTİL BOYALARININ İKİLİ KARIŞIMLARI İÇİN XG/PMEMA NANOKOMPOZİTİ İLE YARIŞMALI ADSORPSİYON**
ÖZYARANLAR E., TAKTAK F. F.
International Symposium of Scientific Research and Innovative Studies, Turkey, 22 - 25 February 2021
- II. **YENİ XG/PMEMA NANOKOMPOZİT HİDROJELİNİN SENTEZİ VE ŞİŞME DAVRANIŞLARI**

ÖZYARANLAR E., TAKTAK F. F.

International Symposium of Scientific Research and Innovative Studies, Turkey, 22 - 25 February 2021

- III. **Synthesis of Halloysite-Reinforced Zwitterionic sulphobetaine Nanocomposite Hydrogels**
TAKTAK F. F., YİĞEN A. P.
4TH INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES, 2 - 06 May 2018
- IV. **Synthesis and Characterization of Nano-Zn/ Filled Polymer Composite and Exploring the Swelling Properties**
TAKTAK F. F., ÖZDEMİR S.
4TH INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES, 2 - 06 May 2018
- V. **Highly Efficient Removal of Congo Red onto Poly[2- (Dimethylamino) Ethyl Methacrylate]/Pumice Stone Hydrogel Composite**
CİĞEROĞLU Z., TAKTAK F. F., AÇIKSÖZ N.
4TH INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES, Kiev, Ukraine, 2 - 06 May 2018
- VI. **Poly (2-Dimethyl Amino Ethyl Methacrylate)/Acrylic Acid as an Adsorbent for Methylene Blue Adsorption from Waste Water**
CİĞEROĞLU Z., TAKTAK F. F., GÜLER B.
4TH INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES, Kiev, Ukraine, 2 - 06 May 2018
- VII. **An Ideal Candidate For Controlled Drug Release System :Poly(MEMA 2-N MorpholinoethylMethacrylate)/graphene oxide nanocomposite**
İLBAY Z., TAKTAK F. F.
13th Nanoscience and Nanotechnology Conference, 22 - 25 October 2017
- VIII. **Adsorption Properties of 2-(N-morpholino) ethyl methacrylate(MEMA) / 3-dimethyl (methacryloxyethyl) ammonium propanesulfonate (DMAAPS) Gels for Cationic and Anionic Dyes**
İLBAY Z., TAKTAK F. F.
3rd International conference on Engineering and Natural Science (ICENS), 3 - 07 May 2017
- IX. **Novel Polysulfobetaine Copolymer Hydrogels: Synthesis, Characterization and Swelling Behaviours of 3-dimethyl(methacryloxyethyl) ammonium propane sulfonate (DMAPS) / 2-(N-morpholino)ethyl methacrylate (MEMA) Gels**
TAKTAK F. F., İLBAY Z.
3rd International conference on Engineering and Natural Science (ICENS), 3 - 07 May 2017
- X. **Recovery of Polyphenols from Biowaste through Integrated Process Extraction Adsorption via 2 dimethyl amino Ethyl Methacrylate Amberlite Composite**
TAKTAK F. F., İLBAY Z., ÖĞEN Y., KIRBAŞLAR Ş. İ.
ICCESEN 2016, 19 - 24 October 2016
- XI. **Transdermal release of low molecular weight heparin from cationic charged triblock copolymer gels**
TAKTAK F. F.
5TH INTERNATIONAL MOLECULAR BIOLOGY AND BIOTECHNOLOGY CONGRESS, 25 - 29 August 2016, pp.85
- XII. **Ph Sıcaklık Duyarlı Hidrojellerden Kontrollü İlaç Salımı Ve Salım Üzerine Molekül Ağırlığı Ve Sıcaklık Etkisinin İncelenmesi**
TAKTAK F. F., BÜTÜN V.
XXIV. Ulusal Kimya Kongresi, Turkey, 29 - 02 June 2010
- XIII. **Drug Release Kinetics of Silk Fibroin SF 2 N N dimethylamino ethyl methacrylate DMAEMA Co polymer Hydrogels for Wound Healing Applications Mechanical Features Swelling Ratios and Morphology**
TAKTAK F. F., ÖĞEN Y.
12th International Nanoscience and Nanotechnology Conference, 3 - 05 June 2016, pp.449
- XIV. **Polyelectrolyte ABA Type Triblock Copolymer Gel For Sustainable Slow Release Of Paclitaxel Effect Of Molecular Weight And Block Composition**
TAKTAK F. F., ALNIAÇIK T., TUNCER C., BÜTÜN V.
12th International Nanoscience and Nanotechnology Conference, 3 - 05 June 2016, pp.450
- XV. **A novel poly 2 n morpholino ethyl methacrylate hydrogel Rapid deswelling kinetics and potential**

carrier for release of ibuprofene

TAKTAK F. F., ALNIAÇIK T.

The International Conference on Engineering and Natural Sciences (ICENS), 24 - 28 May 2016, pp.786

- XVI. **Controlled Release of Heparin from PDPA b PDMA b PDPA Heparin Polyelectrolyte Complex Gel**
TAKTAK F. F., ALNIAÇIK T., BÜTÜN V., TUNCER C.
The International Conference on Engineering and Natural Sciences (ICENS), 24 - 28 May 2016, pp.785
- XVII. **A Novel Hydrogel Containing Zwitterionic Sulfobetaine for Controlled Release of Naproxen**
TAKTAK F. F., YILDIZ M., ŞAHİN R.
ISOPS, 9 - 12 June 2015
- XVIII. **Ibuprofene Delivery from Novel PMEMA Cryogel**
TAKTAK F. F., RESUL Ş.
11th International Symposium on Pharmaceutical Sciences (ISOPS-11), 9 - 12 June 2015
- XIX. **Evaluation of Triple Responsive Copolymeric Gel as Drug Delivery Device**
TAKTAK F. F., YILDIZ M., ŞAHİN R.
ISOPS, 9 - 12 June 2015
- XX. **Synthesized of Poly electrolyte Hydrogel for Drug Delivery System**
TAKTAK F. F., YILDIZ M., ŞAHİN R.
ISOPS, 9 - 12 June 2015
- XXI. **Synthesis And Physical Gels Of Ph Responsive Zwitterionic ABA Triblock Copolymer And Drug Release Studies**
TAKTAK F. F., BÜTÜN V.
13MCCE, 13th Mediterranean Congress of Chemical Engineering, Spain, Barcelona, 30 September - 03 October 2014
- XXII. **Poly 2 Dimethylamino Ethyl Methacrylate Pumice Composite Hydrogel Preparation Characterization And Application In Rapid Adsorption Of Humic Acid**
TAKTAK F. F., İLBAY Z.
13MCCE, 13th Mediterranean Congress of Chemical Engineering, Spain, Barcelona, 30 September - 03 October 2014
- XXIII. **POLY[2-(DIMETHYLAMINO)ETHYL METHACRYLATE]/PUMICE COMPOSITE HYDROGEL:PREPARATION, CHARACTERIZATION AND APPLICATION IN RAPID ADSORPTION OF HUMIC ACİD**
TAKTAK F. F., İLBAY Z.
13th Mediterranean Congress Of chemical Engineering, 30 September - 03 October 2014
- XXIV. **Novel Triple Responsive Hydrogels Based On 2 Dimethylamino Ethyl Methacrylate By Copolymerization With 2 N Morpholino Ethyl Methacrylate**
TAKTAK F. F., YILDIZ M., SOYKAN C., SERT H.
13MCCE, 13th Mediterranean Congress of Chemical Engineering, Spain, Barcelona, 30 September - 03 October 2014
- XXV. **Optimization Of Ultrasound Assisted Extraction Of Total Phenolic Content Of Papaver Somnifurum L Using Response Surface Methodology**
TAKTAK F. F., İLBAY Z., ŞAHİN SEVGİLİ S.
International Symposium On Medicinal-Aromatic Plants, 4 - 07 July 2013
- XXVI. **Optimization of Ultrasound Assisted Extraction of Total Phenolic Content of Papaver Somnifurum L Using Response Surface Methodology**
TAKTAK F. F., İLBAY Z., ŞAHİN SEVGİLİ S.
International Symposium on Medicinal-Aromatic Plants, Turkey, 4 - 07 June 2013
- XXVII. **Synthesis Of Oxycodone İn Highyield And Purity**
BULDUK İ., TAKTAK F. F., HELVACI A.
XXVI. Ulusal Kimya Kongresi, Turkey, 1 - 06 October 2012
- XXVIII. **Yüksek Verim Ve Saflıkta Kodein Sentezi**
BULDUK İ., TAKTAK F. F., HELVACI A.
XXVI. Ulusal Kimya Kongresi, Turkey, 1 - 06 October 2012

- XXIX. **Isolation And Characterization Of Noscapine From Poppy Capsules Papaver Somniferum**
BULDUK İ., TAKTAK F. F.
ISOPS-10, 10th International Symposium On Pharmaceutical Sciences, 26 - 29 June 2012
- XXX. **Practical And High Yield Syntheses Of Dihydrocodeine From Codeine**
TAKTAK F. F., BULDUK İ.
ISOPS-10, 10th International Symposium On Pharmaceutical Sciences, 26 - 29 June 2012
- XXXI. **Spectroscopic And Theoretical Studies On Acid Dissociation Constants Of Some Pyridyl Schiff Bases**
ÖĞRETİR C., DAL H., BERBER H., TAKTAK F. F.
CPC-IX, 9. Kimyasal Fizik Kongresi, 14 - 16 October 2010
- XXXII. **Synthesis and Characterization of Novel Water Soluble Triblock Copolymer Gelators**
TAKTAK F. F., BÜTÜN V.
NanoTR-5, 5. Ulusal Nanobilim ve Nanoteknoloji Konferansı, Turkey, 8 - 12 June 2009
- XXXIII. **Yeni Tip YüzeY Aktif ABC Triblok Kopolimerler ve Hidrojeller**
TAKTAK F. F., BÜTÜN V.
XXII. Ulusal Kimya Kongresi, Turkey, 6 - 10 October 2008
- XXXIV. **Yeni Tip ABA Triblok Kopolimerlerin Sentezi Karakterizasyonu ve Hidrojel Eldesinde Kullanımları**
TAKTAK F. F., YARLIGAN UYSAL S., BÜTÜN V.
Yeni Tip YüzeY Aktif Abc Triblok Kopolimerler Ve Hidrojeller, Turkey, 6 - 10 October 2008
- XXXV. **Novel Surface Active Triblock Copolymers and Their Use in The Preparation of Hydrogels**
KARABACAK R. B., TAKTAK F. F., BÜTÜN V.
CLP-07, Int. Controlled/Livingpoly, 25 - 29 October 2007
- XXXVI. **Yeni Tip YüzeY Aktif Triblok Kopolimerler Ve Hidrojeller**
TAKTAK F. F., GEZER S., YARLIGAN UYSAL S., KARABACAK R. B., BÜTÜN V.
XXI. Ulusal Kimya Kongresi, Turkey, 23 - 27 August 2007
- XXXVII. **2 N Morfolino Etil Metakrilat Etil Metakrilat Nano MikroJellerin Sentez Ve Karakterizasyonu Nano MikroJellerin Sentez ve Karakterizasyonu**
TAKTAK F. F., SÖNMEZ Ş., TOP R. B., BÜTÜN V., YARLIGAN UYSAL S.
XX. Ulusal Kimya Kongresi, Turkey, 4 - 08 September 2006
- XXXVIII. **Bazı Salisilaldimin Türevlerinin Asitlik Sabitlerinin Spektroskopik Yöntemlerle İncelenmesi**
TAKTAK F. F., DAL H., BERBER H., ÖĞRETİR C.
XIX. Ulusal Kimya Kongresi, Turkey, 30 September - 04 October 2005

Metrics

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