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Personal Information

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Education Information

Doctorate, Inonu University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği, Turkey 2011 - 2017

Post Graduate, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği, Turkey 2008 - 2010

Under Graduate, Cumhuriyet Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği, Turkey 2003 - 2007

Dissertations

Doctorate, HOMOJEN KATALİZÖRLERİN HETEROJENLEŞTİRİLMESİ VE ÖZELLİKLERİNİN İNCELENMESİ, Inonu University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği, 2017

Post Graduate, Çapraz Bağlı Anyonik Poliakrilamid Hidrojellerinin Sentezi, Karakterizasyonu ve Boyar Madde ile Etkileşimlerinin İncelenmesi , Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği, 2010

Research Areas

Chemical Engineering and Technology, Chemical Technologies, Polymer Technology, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Inonu University, Mühendislik Fakültesi, Biyomedikal Mühendisliği, 2019 - Continues

Research Assistant PhD, Inonu University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği, 2011 - 2019

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

- I. **Hydrogel supported vinylimidazole based PEPPSI-Pd-NHC catalysts: The catalytic activities in Heck and Suzuki-Miyaura coupling reactions**
BOZTEPE C., KÜNKÜL A., GÜRBÜZ N.
JOURNAL OF MOLECULAR STRUCTURE, vol.1209, 2020 (Journal Indexed in SCI)
- II. **Application of artificial intelligence in modeling of the doxorubicin release behavior of pH and temperature responsive poly(NIPAAm-co-AAc)-PEG IPN hydrogel**
BOZTEPE C., KÜNKÜL A., Yuceer M.
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.57, 2020 (Journal Indexed in SCI)
- III. **Prediction of the deswelling behaviors of pH- and temperature-responsive poly(NIPAAm-co-AAc) IPN hydrogel by artificial intelligence techniques**
BOZTEPE C., Yuceer M., KÜNKÜL A., ŞÖLENER M., KABASAKAL O. S.
RESEARCH ON CHEMICAL INTERMEDIATES, vol.46, pp.409-428, 2020 (Journal Indexed in SCI)
- IV. **The kinetics and mechanism of polymer-based NHC-Pd-pyridine catalyzed heterogeneous Suzuki reaction in aqueous media**

BOZTEPE C., KÜNKÜL A., GÜRBÜZ N., ÖZDEMİR İ.

INTERNATIONAL JOURNAL OF CHEMICAL KINETICS, vol.51, pp.931-942, 2019 (Journal Indexed in SCI)

- V. **Heterogenization of homogeneous NHC-Pd-pyridine catalysts and investigation of their catalytic activities in Suzuki-Miyaura coupling reactions**

BOZTEPE C., KÜNKÜL A., YAŞAR S., GÜRBÜZ N.

JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.872, pp.123-134, 2018 (Journal Indexed in SCI)

- VI. **Modeling of drug release behavior of pH and temperature sensitive poly(NIPAAm-co-AAc) IPN hydrogels using response surface methodology and artificial neural networks**

Brahima S., BOZTEPE C., KÜNKÜL A., Yuceer M.

MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.75, pp.425-432, 2017 (Journal Indexed in SCI)

- VII. **Synthesis and characterization of acrylamide-based copolymeric hydrogel-silver composites: Antimicrobial activities and inhibition kinetics against E-coli**

BOZTEPE C., TOSUN E., BİLENLER T., ŞİŞLİOĞLU K.

INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS, vol.66, pp.934-942, 2017 (Journal Indexed in SCI)

- VIII. **Modeling of Swelling Behaviors of Acrylamide-Based Polymeric Hydrogels by Intelligent System**

BOZTEPE C., Solener M., Yuceer M., KÜNKÜL A., Kabasakal O. S.

JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY, vol.36, pp.1647-1656, 2015 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Removal of acid dyes from wastewater using poly(acrylamide-vinylimidazole) hydrogel**

TOSUN E., BOZTEPE C., BAYSAR A., KÜNKÜL A.

PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.25, pp.914-921, 2019 (Journal Indexed in ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Comparison of Antimicrobial Activity of Aloe vera oil own and loaded into Hydrogel**

BİLENLER T., BOZTEPE C., TOSUN E.

3.International Conference on Agriculture, Food, Veterinary and Pharmacy Sciences, 16 - 18 April 2019

- II. **Asidik Boyaların poli(AkrilamitVinilimidazol) Hidrojel Kullanılarak Atık Sulardan Giderimi**

TOSUN E., BOZTEPE C., BAYSAR A., KÜNKÜL A.

International Symposium on Urban Water and Wastewater Management, 25 - 27 October 2018

- III. **Poli(AAm-AAc) Hidrojellerinin Sulu Çözeltilerden Bakır Gideriminin İncelenmesi**

BOZTEPE C., TOSUN E., KÜNKÜL A., BAYSAR A.

International Symposium on Urban Water and Wastewater Management, 25 - 27 October 2018

- IV. **Modeling the Doxorubicin Release Kinetic of pH- and Temperature Responsive Poly(NiPAAm-AAc) IPN Hydrogel**

BOZTEPE C., YÜCEER A. M.

International Conference on Physical Chemistry and Functional Materials (PCFM'18), 19 - 21 June 2018

- V. **Modelling of Biochemical Oxygen Demand on a Wastewater Treatment Plant by Using Artificial Neural Networks**

TOSUN E., BOZTEPE C., KARAKAPLAN N., YÜCEER A. M.

2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), Adana, Turkey, 25 - 27 October 2017, pp.1692-1695

- VI. **Riboflavin release from Interpenetrated network Poly(AAm-AAc) hydrogel and release data modeling by using response surface methodology and artificial neural network**

SANOĞO B., BOZTEPE C., YÜCEER A. M.

46th World polymer congress, MACRO 2106, İstanbul, Turkey, 17 July 2016 - 21 July 2017

VII. **Poli (AAM-VI-AMPS) Hidrojellerinin Boyar Madde Adsorpsiyon Özelliklerinin İncelenmesi**

BOZTEPE C., KÜNKÜL A., YÜCEER A. M.

International Symposium of Water and Wastewater Management (ISWWM), Malatya, Turkey, 26 - 28 October 2016

VIII. **Synthesis of hydrogel supported NHC-Pd(II)-Pyridine Catalytic systems and Suzuki-Miyaura coupling reaction kinetics.**

BOZTEPE C., KABASAKAL O. S. , ŞÖLENER M.

46th World polymer congress, MACRO 2106, İstanbul, Turkey, 17 - 21 July 2016

IX. **Heterogenization of homogeneous NHC-Pd(II)-Pyridine catalytic systems via radical polymerization: Catalytic activities for Suzuki-Miyaura coupling reactions**

BOZTEPE C., KABASAKAL O. S. , ŞÖLENER M.

46th World polymer congress, MACRO 2106, İstanbul, Turkey, 17 - 21 July 2016

X. **Release of riboflavin from interpenetrated Network Poly(AAm-AAc) hydrogel and release kinetic studies**

SANOĞO B., BOZTEPE C., YÜCEER A. M. , KÜNKÜL A.

46th World polymer congress, MACRO 2106, İstanbul, Turkey, 17 - 21 July 2016

XI. **Heterogenization of Homogenous NHC-Pd(II)-Pyridine Catalytic Systems via Radical polymerization: Catalytic Activities for Suzuki-Miyaura Coupling Reactions**

Boztepe C., ÖZDEMİR İ., Künkül A., GÜRBÜZ N.

46th IUPAC World Polymer Congress (MACRO 2016), İstanbul, Turkey, 17 - 21 July 2016

XII. **Synthesis of Hydrogel Supported NHC Pd II Catalytic Systems and Suzuki Miyaura Coupling Reactions Kinetics**

BOZTEPE C., YAŞAR S., KÜNKÜL A., ÖZDEMİR İ.

46th IUPAC World Polymer Congress (MACRO 2016), 17 - 21 July 2016

XIII. **Heterogenization of Homogenous NHC-Pd(II)-Pyridine Catalytic Systems via Radical polymerization: Catalytic Activities for Suzuki-Miyaura Coupling Reactions**

Boztepe C., ÖZDEMİR İ., Künkül A., GÜRBÜZ N.

46th IUPAC World Polymer Congress (MACRO 2016), İstanbul, Turkey, 17 - 21 July 2016

XIV. **Adsorption Kinetics of the Removal of Methylene Blue from Aqueous solution by use anionic polymer**

BOZTEPE C., KABASAKAL O. S. , ŞÖLENER M.

6th Chemical Engineering Conference for Collaborative Research in Eastern Mediterranean Countries, Antalya, Turkey, 07 March 2010 - 12 March 2016

XV. **Swelling Kinetic Models for Ionic Acrylamide Hydrogels**

BOZTEPE C., KABASAKAL O. S. , ŞÖLENER M.

6th Chemical Engineering Conference for Collaborative Research in Eastern Mediterranean Countries, Antalya, Turkey, 07 March 2010 - 12 March 2016

XVI. **Methylene Blue Removal from Aqueous Solutions by Using Anionic Crosslinked Polymers**

BOZTEPE C., KABASAKAL O. S. , ŞÖLENER M.

6th Chemical Engineering Conference for Collaborative Research in Eastern Mediterranean Countries, Antalya, Turkey, 07 March 2010 - 12 March 2016

XVII. **HYDROGEL SUPPORTED NHC PD CATALYST SYSTEMS FOR THE SUZUKI REACTION**

BOZTEPE C., KÜNKÜL A., ÖZDEMİR İ., GÜRBÜZ N.

3RD INTERNATIONAL CHEMICAL ENGINEERING AND CHEMICAL TECHNOLOGIES CONFERENCE PROCEEDINGS, İstanbul, Turkey, 30 November - 01 December 2015, pp.170

XVIII. **THE CATALYTIC ACTIVITIES OF SOME NOVEL POLYMERIC NHC PD HYDROGEL SYSTEMS**

BOZTEPE C., KÜNKÜL A., ÖZDEMİR İ., GÜRBÜZ N.

3RD INTERNATIONAL CHEMICAL ENGINEERING AND CHEMICAL TECHNOLOGIES CONFERENCE PROCEEDINGS, İstanbul, Turkey, 30 November - 01 December 2015, pp.171

- XIX. MODELING OF DESWELLING BEHAVIORS OF PH AND TEMPERATURE SENSITIVE POLY N ISOPROPYL ACRYLAMIDE ACRYLIC ACID INTERPENETRATING HYDROGELS BY ARTIFICIAL INTELLIGENCE SYSTEM**
BOZTEPE C., YÜCEER A. M. , KÜNKÜL A.
3RD INTERNATIONAL CHEMICAL ENGINEERING AND CHEMICAL TECHNOLOGIES CONFERENCE PROCEEDINGS, İstanbul, Turkey, 30 November - 01 December 2015, pp.168
- XX. The Synthesis, Characterization and Investigation of Antimicrobial Inhibition Kinetics of Acrylamide Based Hydrogel-Silver Nanocomposite System**
BOZTEPE C., TOSUN E., BİLENLER T., ŞİŞLİOĞLU K.
3rd International Chemical Engineering and Chemical Technologies Conference, İstanbul, Turkey, 30 November - 02 December 2015, pp.169
- XXI. The Synthesis, Characterization and Investigation of Antimicrobial Inhibition Kinetics of Acrylamide Based Hydrogel-Silver Nanocomposite System**
BOZTEPE C., TOSUN E., BİLENLER T., ŞİŞLİOĞLU K.
3rd International Chemical Engineering and Chemical Technologies Conference, İstanbul, Turkey, 30 November - 02 December 2015, pp.169
- XXII. Malatya Beylerderesi Akarsuyunun Modellemesi ve Benzetimi**
YÜCEER A. M. , ÇOŞKUN M. A. , BOZTEPE C.
11. Ulusal Kimya Mühendisliği Kongresi (UKMK-11), Eskişehir, Turkey, 2 - 05 September 2014
- XXIII. Hidrojel-Gümüş Kompozit Sistemlerin Hazırlanması ve Antimikrobiyal Özelliklerinin İncelenmesi**
Brahima S., BOZTEPE C., BİLENLER T., ŞİŞLİOĞLU K., TOSUN E.
11. Ulusal Kimya Mühendisliği Kongresi, Eskişehir, Turkey, 2 - 05 September 2014, pp.14-15
- XXIV. Malatya Beylerderesi Akarsuyunun Modellemesi ve Benzetimi**
YÜCEER A. M. , ÇOŞKUN M. A. , BOZTEPE C.
11. Ulusal Kimya Mühendisliği, Eskişehir, Turkey, 2 - 05 September 2014, pp.1
- XXV. Malatya Beylerderesi Akarsuyunun Modellemesi ve Benzetimi**
YÜCEER A. M. , ÇOŞKUN M. A. , BOZTEPE C.
11. Ulusal Kimya Mühendisliği, Eskişehir, Turkey, 2 - 05 September 2014, pp.1
- XXVI. Hidrojel-Gümüş Kompozit Sistemlerin Hazırlanması ve Antimikrobiyal Özelliklerinin İncelenmesi**
Brahima S., BOZTEPE C., BİLENLER T., ŞİŞLİOĞLU K., TOSUN E.
11. Ulusal Kimya Mühendisliği Kongresi, Eskişehir, Turkey, 2 - 05 September 2014, pp.14-15
- XXVII. Modeling of River Water Quality in River Streams: A Case Study of Beylerderesi River in Malatya-Turkey**
BOZTEPE C., KABASAKAL O. S. , ŞÖLENER M.
International Conference on Environmental Science and Technology, Nevşehir, Turkey, 18 - 21 June 2013

Supported Projects

Gürbüz N., Boztepe C., TUBITAK Project, N-Heterosiklik Karben-Palladyum Komplekslerinin Heterojenizasyonu ve Katalitik Aktivitelerinin İncelenmesi, 2017 - 2018

Invited Congress and Symposium Activities

Modelling of Biochemical Oxygen Demand in a Wastewater Treatment Plant by Using Artificial Neural Networks, Attendee, Adana, Turkey, 2017

Hidrojenlerin Boyar Madde Adsorpsiyon Özelliklerinin İncelenmesi, Attendee, Turkey, 2016

Riboflavin release from Interpenetrated network Poly(AAm-AAc) hydrogel and release data modeling by using response surface methodology and artificial neural network, Attendee, İstanbul, Turkey, 2016

Release of riboflavin from interpenetrated Network Poly(AAm-AAc) hydrogel and release kinetic studies, Attendee,

Turkey, 2016

Synthesis of hydrogel supported NHC-Pd(II)-Pyridine Catalytic systems and Suzuki-Miyaura coupling reaction kinetics, Attendee, Turkey, 2016

Heterogenization of homogeneous NHC-Pd(II)-Pyridine catalytic systems via radical polymerization: Catalytic activities for Suzuki-Miyaura coupling reactions, Attendee, Turkey, 2016

The Synthesis Characterization And Investigation Of Antimicrobial Inhibition Kinetics Of Acrylamide Based Hydrogel silver nanocomposite System, Attendee, Turkey, 2015

The Catalytic Activities Of Some Novel polymeric Nhc-Pd-Hydrogel Systems, Attendee, İstanbul, Turkey, 2015

Pd-NHC Komplekslerinin Heterojenizasyonu ve Katalitik Özelliklerinin İncelenmesi, Attendee, Mersin, Turkey, 2015

Hydrogel Supported NHC-Pd-Catalyst systems For The Suzuki Reaction, Attendee, Turkey, 2015

Modeling Of Deswelling Behaviors Of Ph And Temperature Sensitive Poly N Isopropyl Acrylamide Acrylic Acid

Interpenetrating Hydrogels By Artificial Intelligence System, Attendee, Turkey, 2015

Sıcaklık Ve Ph' A Duyarlı Hidrojellerin Sentezlenmesi ve Şişme Davranışlarının İncelenmesi, Attendee, Turkey, 2014

Manyetik Alana Duyarlı Akrilamid Esaslı Anyonik Hidrojellerin Sentezlenmesi ve Boyar Madde Adsorpsiyon Kinetiklerinin İncelenmesi, Attendee, Eskişehir, Turkey, 2014

Poli(AAm-co- AMPS) Hidrojenlerinin Şişme Davranışlarının Yapay Sinir Ağları ile Modellenmesi, Attendee, Turkey, 2014

Malatya Beylerderesi Akarsuyunun Modellemesi ve Benzetimi, Attendee, Eskişehir, Turkey, 2014

Hidrojel-Gümüş Kompozit Sistemlerin Hazırlanması ve Antimikrobiyal Özelliklerinin İncelenmesi, Attendee, Turkey, 2014

Modeling Of River Water Quality In River Streams: A Case Study Of Beylerderesi River In Malatya-Turkey, Attendee, Nevşehir, Turkey, 2013

Adsorption Kinetics Of The Removal Of Methylene Blue From Aqueous Solution By use anionic polymer, Attendee, Turkey, 2010

Methylene Blue Removal From Aqueous Solutions by Using Anionic Crosslinked Polymers, Attendee, Antalya, Turkey, 2010

Swelling Kinetic Models For Ionic Acrylamide Hydrogels, Attendee, Turkey, 2010

Citations

Total Citations (WOS):45

h-index (WOS):4