

## Res. Asst. CANBOLAT GÜRSES

### Personal Information

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### Education Information

Post Graduate, University of Washington, Mühendislik Fakültesi, Malzeme Bilimi ve Mühendisliği, United States Of America 2009 - 2012

Under Graduate, Halic University, Fen-Edebiyat Fakültesi, Moleküler Biyoloji Ve Genetik Bölümü, Turkey 2003 - 2007

### Foreign Languages

English, C1 Advanced

### Dissertations

Post Graduate, Multifunctional Core-shell Nanoparticles Towards Targeted Biological Interactions, University of Washington, Materials Science And Engineering, 2012

### Research Areas

Life Sciences, Biochemistry, Biochemical Toxicology, Natural Sciences

### Academic Titles / Tasks

Research Assistant, Inonu University, Fen-Edebiyat Fakültesi, Moleküler Biyoloji Ve Genetik Bölümü, 2013 - Continues

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

- I. **Chemistry, Structures, and Advanced Applications of Nanocomposites from Biorenewable Resources**  
Ates B., Koytepe S., Ulu A., Gurses C., Thakur V.  
CHEMICAL REVIEWS, vol.120, pp.9304-9362, 2020 (Journal Indexed in SCI)
- II. **Water Soluble Coumarin Quaternary Ammonium Chlorides: Synthesis and Biological Evaluation.**  
Karataş M., Noma S., Gürses C., Balcıoğlu S., Ateş B., Alıcı B., Çakır Ü.  
Chemistry & biodiversity, 2020 (Journal Indexed in SCI Expanded)
- III. **Effects of strontium - erbium co-doping on the structural properties of hydroxyapatite: An Experimental and theoretical study**  
Mahmood B. K. , KAYĞILI Ö., Bulut N., Dorozhkin S., Ates T., KÖYTEPE S., GÜRSES C., Ercan F., Kebiroğlu H., Agid R. S.

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CERAMICS INTERNATIONAL, vol.46, pp.16354-16363, 2020 (Journal Indexed in SCI)

- IV. **4-Vinylbenzyl and 2-morpholinoethyl substituted ruthenium (II) complexes: Design, synthesis, and biological evaluation**  
SARI Y., GÜRSES C., Celepci D. B. , Kelestemur U., AKTAŞ A., YÜKSEL Ş., ATEŞ B., GÖK Y.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1202, 2020 (Journal Indexed in SCI)
- V. **Chemistry, structure, and biological roles of Au-NHC complexes as TrxR inhibitors**  
KARAASLAN M. G. , AKTAŞ A., GÜRSES C., GÖK Y., ATEŞ B.  
BIOORGANIC CHEMISTRY, vol.95, 2020 (Journal Indexed in SCI)
- VI. **New morpholine-liganded palladium(II) N-heterocyclic carbene complexes: Synthesis, characterization, crystal structure, and DNA-binding studies**  
TÜRKER F., GÜRSES C., Celepci D. B. , AKTAŞ A., ATEŞ B., GÖK Y.  
ARCHIV DER PHARMAZIE, vol.352, 2019 (Journal Indexed in SCI)
- VII. **Palladium(II) and ruthenium(II) complexes of benzotriazole functionalized N-heterocyclic carbenes: Cytotoxicity, antimicrobial, and DNA interaction studies**  
ONAR G., GÜRSES C., KARATAŞ M. O. , BALCIOGLU S., AKBAY N., Ozdemir N., ATEŞ B., ALICI B.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.886, pp.48-56, 2019 (Journal Indexed in SCI)
- VIII. **Chitosan/Polyvinylpyrrolidone/MCM-41 Composite Hydrogel Films: Structural, Thermal, Surface, and Antibacterial Properties**  
ULU A., NOMA S. A. A. , GÜRSES C., KÖYTEPE S., ATEŞ B.  
STARCH-STARKE, vol.70, 2018 (Journal Indexed in SCI)
- IX. **Benzotriazole functionalized N-heterocyclic carbene-silver(I) complexes: Synthesis, cytotoxicity, antimicrobial, DNA binding, and molecular docking studies**  
ONAR G., KARATAŞ M. O. , BALCIOGLU S., Tok T. T. , GÜRSES C., Kilic-Cikla I, Ozdemir N., ATEŞ B., ALICI B.  
POLYHEDRON, vol.153, pp.31-40, 2018 (Journal Indexed in SCI)
- X. **Protonated water-soluble N-heterocyclic carbene ruthenium(II) complexes: Synthesis, cytotoxic and DNA binding properties and molecular docking study**  
AKKOC M., BALCIOGLU S., GÜRSES C., Tok T. T. , ATEŞ B., YAŞAR S.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.869, pp.67-74, 2018 (Journal Indexed in SCI)
- XI. **Biomedical applications of hybrid polymer composite materials**  
ATEŞ B., KÖYTEPE S., Balcioglu S., Ulu A., GÜRSES C.  
HYBRID POLYMER COMPOSITE MATERIALS: APPLICATIONS, pp.343-408, 2017 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **Yenilenebilir Kaynaklı Poliüretan Kompozitler**  
ULU A., GÜRSES C., ATEŞ B., BALCIOGLU S., KÖYTEPE S.  
Putech (Poliüretan Sanayi Dergisi), vol.7, pp.14-26, 2015 (National Non-Refereed Journal)
- II. **Poliüretan Temelli Biyoyapıştırıcılar**  
ATEŞ B., KÖYTEPE S., Karaaslan M. G. , GÜRSES C., Gülgen S.  
Putech & Composites Magazine, pp.22-34, 2015 (National Non-Refereed Journal)

## Books & Book Chapters

- I. **Bölüm 9 Kemotrofik Enerji Metabolizması: Glikoliz ve Fermentasyon**  
GÜRSES C., GEÇKİL H.  
in: Becker'in Hücre Dünyası, 9.Baskıdan Çeviri, Ali Osman Beldüz, Editor, Palme Yayın Dağıtım, Ankara, pp.215-241, 2019
- II. **Biomedical applications of hybrid polymer composite materials**

ATEŞ B., KÖYTEPE S., Balcioğlu S., Ulu A., GÜRSES C.

in: Hybrid Polymer Composite Materials Applications, Vijay Kumar Thakur, Editor, Elsevier Science, Oxford/Amsterdam, Cambridge, pp.343-408, 2017

**III. Synthesis and properties of soy-Based Biopolymeric Composites**

KÖYTEPE S., ATEŞ B., GÜRSES C.

in: Soy-based Bioplastics, Vijay Kumar Thakur, Editor, Smithers Rapra, Shawbury, pp.201-226, 2017

## Refereed Congress / Symposium Publications in Proceedings

- I. The Preparation of Antibacterial Wound Dressing Materials Containing Allantoin via Electrospinning Method**  
Çakmen A. B. , NOMA S. A. A. , GÜRSES C., KÖYTEPE S., ATEŞ B., YILMAZ İ.  
2. EBAT (Eurasia Biochemical Approaches & Technologies) Kongresi, Antalya, Turkey, 26 - 29 October 2019, pp.170
- II. Preparation of Allantoin-Based Wound Dressing Materials to Enhance Wound Healing**  
Çakmen A. B. , NOMA S. A. A. , GÜRSES C., KÖYTEPE S., ATEŞ B., YILMAZ İ.  
5 th International Eurasian Congress on 'Natural Nutrition, Healthy Life & Sport', Ankara, Turkey, 2 - 06 October 2019, pp.1734-1735
- III. The investigation of adrenomedullin effects of over hypoxia inducible factor 1-alpha under hypoxic conditions in rats**  
Culum A. A. , GÜRSES C., YÜREKLİ M.  
International Eurasian Conference on Biological and Chemical Sciences, 26 - 27 April 2018
- IV. Yara Örtüsü Uygulamaları İçin Siproflaksasin/β-Siklodekstrin Temelli Poliüretan Malzemelerin Antibakteriyel ve Biyouyumluluk Özelliklerinin Araştırılması**  
Kantarcioglu M., Karaaslan M. G. , GÜRSES C., ATEŞ B., KÖYTEPE S.  
6. İlaç Kimyası Kongresi, Antalya, Turkey, 22 - 25 March 2018, pp.175
- V. Adrenomedullin affects hypoxia inducible factor 1 alpha in rats under hypoxic conditions**  
Culum A. A. , Gurses C., Yurekli M.  
41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Turkey, 3 - 08 September 2016, vol.283, pp.220
- VI. The Comparison of Isothermal and Hydrolytic Degradability Properties of Non-aromatic Polyurethanes Prepared for Medical Applications**  
GÜRSES C., Daştan H., Karaaslan M. G. , Gülgen S., KÖYTEPE S., ATEŞ B.  
MACRO 2016 (Dünya Polimer Kongresi), İstanbul, Turkey, 17 - 21 July 2016, pp.216
- VII. Aliphatic Polyurethanes Based on Hexamethylene Diisocyanate and Saccharides (Xylose, Sucrose and Starch) for Biocompatible Transparent Surface in Medical Devices**  
GÜRSES C., ATEŞ B., KÖYTEPE S., Karaaslan M. G. , Keleştemur Ü., Balcioğlu S., Gülgen S.  
European Polymer Federation (EPF), Dresden, Germany, 21 - 26 June 2015, pp.1

## Supported Projects

AKTAŞ A., YILMAZ Ü., PAŞAHAN A., GÖK Y., GÜZEL A., KOLAÇ T., GÜRSES C., KAZANCI A., DEMİRCİ Ö., NOMA S. A. A. ,  
Project Supported by Higher Education Institutions, Tiyol Grubu İçeren BenzimidazolFonksiyonlu N-heterosiklik Karben (NHC) Öncülleri ile Gümüş ve Rutenyum Metal Komplekslerinin Sentezi Karakterizasyonu ve Biyolojik Aktivitelerinin İncelenmesi, 2020 - Continues

YÜREKLİ M., GÜRSES C., Project Supported by Higher Education Institutions, Endoplazmik Retikulum Stresinin Çeşitli Hücre Hatları Üzerindeki Etkisinin İncelenmesi, 2019 - Continues

ATEŞ B., GÜRSES C., Project Supported by Higher Education Institutions, Sentetik Ticari Doku Yapıştırıcılarının Sitotoksik ve Genotoksik Özelliklerinin Karşılaştırılmalı Araştırılması, 2018 - Continues

ATEŞ B., BALCIOĞLU S., ARANIY FADHILAH A. F. , AKTAŞ A., GÖK Y., GÜRSES C., Project Supported by Higher Education Institutions, Floresans Spektrofotometresi Kullanarak Yeni Sentezlenen Organometalik Bileşiklerinin Ayrıntılı DNA Etkileşim Modellerinin Araştırılması, 2018 - 2020  
GÖK Y., ATEŞ B., GÜRSES C., NOMA S. A. A. , BALCIOĞLU S., BEREKET İ., TÜRKER F., AKTAŞ A., TOK T. T. , Project Supported by Higher Education Institutions, İlaç Etken Maddesi Olarak N-Heterosiklik Karben (NHC-M, M:Ag, Ru, Pd) Komplekslerinin Sentezi: Antikanser, Enzim İnhibisyonu, DNA Bağlanma Özellikleri ve Moleküler Modelleme, 2018 - 2020

## Citations

Total Citations (WOS):35

h-index (WOS):3