

## Asst. Prof. HATİCE BİRTANE

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Chemistry, Turkey 2012 - 2019

Postgraduate, Marmara University, Faculty of Arts and Sciences, Chemistry, Turkey 2009 - 2012

Undergraduate, Selcuk University, Faculty Of Arts And Sciences, Department Of Chemistry, Turkey 2003 - 2007

### Foreign Languages

English, C1 Advanced

### Dissertations

Postgraduate, Bazı Schiff Bazı Metal Komplekslerinin Sentezi ve Karakterizasyonu, Marmara Üniversitesi, Faculty of Arts and Sciences, Chemistry, 2012

### Research Areas

Natural Sciences

### Academic Titles / Tasks

Research Assistant, Marmara University, Faculty of Arts and Sciences, Chemistry, 2009 - Continues

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

- I. **An evaluation of antibacterial properties and cytotoxicity of UV-curable biocompatible films containing hydroxyethyl cellulose and silver nanoparticles**  
Özdemir Y., BİRTANE H., BEYLER ÇİĞİL A.  
International Journal of Biological Macromolecules, vol.245, 2023 (SCI-Expanded)
- II. **Novel bio-based phosphorous-containing UV-curable flame-retardant coatings**  
Ozman E., Dizman C., BİRTANE H., KAHRAMAN M. V.

Journal of Coatings Technology and Research, vol.20, no.4, pp.1257-1268, 2023 (SCI-Expanded)

- III. **Thermal and dielectric properties of flexible polyimide nanocomposites with functionalized nanodiamond and silver nanoparticles**  
Birtane H., Cigil A. B., Madakbaş S., Esmer K., Kahraman M. V.  
POLYMER BULLETIN, vol.80, no.5, pp.5353-5371, 2023 (SCI-Expanded)
- IV. **Covalently bonded nanosilver-hydroxyethyl cellulose/polyacrylic acid/sorbitol hybrid matrix: thermal, morphological and antibacterial properties**  
Cigil A. B., Sen F., BİRTANE H., KAHRAMAN M. V.  
POLYMER BULLETIN, vol.79, no.12, pp.11353-11368, 2022 (SCI-Expanded)
- V. **Statistical optimization and selective uptake of Au(III) from aqueous solution using carbon nanotube-cellulose based adsorbent**  
BİRTANE H., Urucu O., YILDIZ N., Çiğil A. B., KAHRAMAN M. V.  
MATERIALS TODAY COMMUNICATIONS, vol.30, 2022 (SCI-Expanded)
- VI. **Antibacterial UV-photocured acrylic coatings containing quaternary ammonium salt**  
BİRTANE H., Sen F., Bozdağ B., KAHRAMAN M. V.  
POLYMER BULLETIN, vol.78, no.7, pp.3577-3588, 2021 (SCI-Expanded)
- VII. **Cellulose/cysteine based thiol-ene UV cured adsorbent: removal of silver (I) ions from aqueous solution**  
Cigil A. B., AYDIN URUCU O., Birtane H., Kahraman M. V.  
CELLULOSE, vol.28, no.10, pp.6439-6448, 2021 (SCI-Expanded)
- VIII. **Transparent and flexible antibacterial photocrosslinked thin films against the S. aureus and E. coli pathogen bacteria**  
Beyler-Çiğil A., BİRTANE H., Şen F., KAHRAMAN M. V.  
Materials Today Communications, vol.27, 2021 (SCI-Expanded)
- IX. **Selective molecularly imprinted polymer for the analysis of chlorpyrifos in water samples**  
AYDIN URUCU O., Beyler Çiğil A., BİRTANE H., KÖK YETİMOĞLU E., KAHRAMAN M. V.  
Journal of Industrial and Engineering Chemistry, vol.87, pp.145-151, 2020 (SCI-Expanded)
- X. **pH-controlled lavender oil capsulation with ABA-type block copolymer and usage in paper coating**  
Kandirmaz E., Birtane H., Cigil A. B., Özcan A.  
FLAVOUR AND FRAGRANCE JOURNAL, vol.35, no.2, pp.174-181, 2020 (SCI-Expanded)
- XI. **Thermal, optical and electrical properties of UV-curing screen-printed glass substrates**  
BEYLER ÇİĞİL A., ARMAN KANDIRMAZ E., BİRTANE H., KAHRAMAN M. V.  
POLYMER BULLETIN, vol.76, no.9, pp.4355-4368, 2019 (SCI-Expanded)
- XII. **Structural and dielectric properties of POSS reinforced polyimide nanocomposites**  
Birtane H., Esmer K., Madakbaş S., Kahraman M. V.  
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, vol.56, pp.245-252, 2019 (SCI-Expanded)
- XIII. **Thermally Stable Phosphonium Organoclay-Reinforced Polyimide Nanocomposites**  
BİRTANE H., Beyler-Cigil A., ÇAKMAKÇI E., KAHRAMAN M. V.  
POLYMER-PLASTICS TECHNOLOGY AND ENGINEERING, vol.56, no.4, pp.443-452, 2017 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Fluorescent Polymeric Sensor for Selective and Sensitive Detection of Cu(II) ions in Aqueous Medium**  
Çubuk S., Koçoğlu N., Bayramoğlu G., Birtane H., Kahraman M. V.  
International journal of advances in engineering and pure sciences (Online), vol.33, no.2, pp.377-390, 2024 (Scopus)
- II. **Yüksek Hidrofilik Polietilen İmin Kaplamaların Hazırlanması Ve Karakterizasyonu**  
BEYLER ÇİĞİL A., ARMAN KANDIRMAZ E., BİRTANE H., KAHRAMAN M. V.

## Refereed Congress / Symposium Publications in Proceedings

- I. **Akrillenmiş Selüloz Asetat Bütireattan Akrilik Esaslı Antimikrobiyal Nanofiber Membranların Geliştirilmesi**  
ÇAKMAK KAYA F., BİRTANE H., KAHRAMAN M. V.  
3rd International Congress on Multidisciplinary Natural Sciences, Ankara, Turkey, 7 - 08 December 2023, pp.96-104
- II. **BIODEGRADABLE HYDROGEL MEMBRANE FOR METAL REMOVAL**  
Bulutcu H., BİRTANE H., AYDIN URUCU O.  
INTERNATIONAL ISTANBUL MODERN SCIENTIFIC RESEARCH CONGRESS-V, 09 July 2023
- III. **UV ile Kürlenebilen Fosfor İçeren Biyo-Esaslı Kimyasalların Sentezi ve Kaplama Uygulamaları**  
OZMAN E., Dizman C., BİRTANE H., KAHRAMAN M. V.  
34. Ulusal Kimya Kongresi, Turkey, 1 - 06 September 2022
- IV. **EDIBLE FILM PRODUCTION WITH ALOE VERA EXTRACT AND ITS PRINTABILITY**  
BİRTANE H., Beyler Çiğil A.  
11th International symposium on Graphic Engineering and Design, GRID 2022, Novi-Sad, Serbia, 3 - 05 November 2022, pp.439-445
- V. **PRODUCTION OF INK CONTAINING THERMOCHROMIC DYESTUFF**  
AYDIN URUCU O., BİRTANE H.  
11th International symposium on Graphic Engineering and Design, GRID 2022, Novi-Sad, Serbia, 3 - 05 November 2022, pp.141-152
- VI. **PREPARATION OF CONDUCTIVE AND FLAME-RETARDANT PU/GO/DOPO PRINTED FILMS**  
Çiğil A. B., BİRTANE H., ESENTÜRK O.  
11th International symposium on Graphic Engineering and Design, GRID 2022, Novi-Sad, Serbia, 3 - 05 November 2022, pp.131-140
- VII. **UV IŞINLARI İLE KURUYABİLEN BUĞU TUTMAYAN KAPLAMALAR**  
Karabulut S., BİRTANE H., KAHRAMAN M. V.  
(IMASCON 2020 - Autumn), 4 - 05 December 2020
- VIII. **FUNCTIONAL THIOL ENE MEMBRANE FOR METAL UPTAKE**  
KARANLIK B., BİRTANE H., AYDIN URUCU O., KAHRAMAN M. V.  
7th International Joint Conference on Environmental and Light Industry Technologies, Hungary, 21 - 22 November 2019
- IX. **THIOL-ENE BASED MEMBRANES AND APPLICATIONS IN HEAVY METAL IONS REMOVAL**  
PEKTAŞ B., BİRTANE H., AYDIN URUCU O., KAHRAMAN M. V.  
7th International Joint Conference on Environmental and Light Industry Technologies, Hungary, 21 - 22 November 2019
- X. **UV Kürlenebilen, Kendi Kendini Temizleyen Kağıt Kaplamalarının Hazırlanması ve Yüzey Özelliklerinin İncelenmesi**  
BİRTANE H., KAHRAMAN M. V.  
3rd International Printing Technologies Symposium, 10 - 12 October 2019
- XI. **ALLİL MODİFİYE 2- NAFTOL BOYAR MADDESİNİN SENTEZİ VE UV İLE KÜRLENEN FLEKSOMÜREKKEPLERİNDE KULLANIMI**  
BEYLER ÇİĞİL A., ARMAN KANDIRMAZ E., BİRTANE H., KAHRAMAN M. V.  
6th INTERNATIONAL PRINTING TECHNOLOGIES SYMPOSIUM, İstanbul, Turkey, 1 - 03 November 2018
- XII. **P-DİMETİL AMİNOAZO-BENZEN'İN ALLİLGİSİDİL ETER İLE VERDİĞİ BİLEŞİKLERİN FLEKSOMÜREKKEPLERİNDE KULLANIMININ İNCELENMESİ**  
ARMAN KANDIRMAZ E., BİRTANE H., BEYLER ÇİĞİL A., KAHRAMAN M. V.  
6th INTERNATIONAL PRINTING TECHNOLOGIES SYMPOSIUM, İstanbul, Turkey, 1 - 03 November 2018

- XIII. **UV İLE KÜRLENEN FLEKSO MÜREKKEPLERİNDE KULLANILACAK BOYAR MADDE SENTEZİ VE BASILABİLİRLİK ÖZELLİKLERİNİN İNCELENMESİ**  
BİRTANE H., BEYLER ÇİĞİL A., ARMAN KANDIRMAZ E., KAHRAMAN M. V.  
6th INTERNATIONAL PRINTING TECHNOLOGIES SYMPOSIUM, İstanbul, Turkey, 1 - 03 November 2018
- XIV. **Antibakteriyel Nanokompozit Kaplamaların İncelenmesi**  
BİRTANE H., BOZDAĞ B., ŞEN F., KAHRAMAN M. V.  
30. Ulusal Kimya Kongresi, Gazimagusa, Cyprus (Kktc), 5 - 08 November 2018, pp.185
- XV. **Preparation and characterization of highly hydrophilic polyethyleneimine coatings**  
BEYLER ÇİĞİL A., ARMAN KANDIRMAZ E., BİRTANE H., KAHRAMAN M. V.  
International Congress on New Trends in Science, Engineering and Technology, 4 - 06 September 2018, pp.191-202
- XVI. **D vitamini Kapsülasyonunda Kullanılan Poli(vinil alkol)-(oleik asit)] Sentezi ve Karakterizasyonu**  
ARMAN KANDIRMAZ E., BİRTANE H., BEYLER ÇİĞİL A., KAYAMAN APOHAN N.  
7. Uluslararası Katılımlı Polimer Bilim ve Teknoloji Kongresi, Eskişehir, Turkey, 9 - 12 September 2018
- XVII. **Cu/Ag Nanopartikülleri İçeren Tiyol-en Esaslı Kaplamaların Hazırlanması ve Özelliklerinin İncelenmesi**  
Birtane H., Çiğil A. B., Arman Kandırmaz E., Kahraman M. V.  
Uluslararası Katılımlı VII. Polimer Bilim ve Teknoloji Kongresi, Eskişehir, Turkey, 9 - 12 September 2018, pp.315
- XVIII. **D Vitamini Kapsülasyonunda kullanılan Poli(vinil alkol)-(oleik asit)) sentezi ve karakterizasyonu**  
Arman Kandırmaz E., Birtane H., Çiğil A. B., Kayaman Apohan N.  
Uluslararası Katılımlı VII. Polimer Bilim ve Teknoloji Kongres, Eskişehir, Turkey, 9 - 12 September 2018, pp.28
- XIX. **Hidrofilik silika nanoparçacıkların Akrilik Üretan Esaslı Kaplamaların Yüzey Özelliklerine Etkisinin İncelenmesi**  
Çiğil A. B., Arman Kandırmaz E., Birtane H., Kahraman M. V.  
Uluslararası Katılımlı VII. Polimer Bilim ve Teknoloji Kongresi, Eskişehir, Turkey, 9 - 12 September 2018, pp.285
- XX. **Preparation and characterization of highly hydrophilic polyethyleneimine coatings**  
Çiğil A. B., Arman Kandırmaz E., Birtane H., Kahraman M. V.  
2 International Congress on New Trends in Science, Engineering and Technology, Rome, Italy, 4 - 06 September 2018, pp.191-202
- XXI. **PEG-PPG-PEG ABA Type Block Polymer Synthesis and Use in Lavender Oil Capsulation**  
Arman Kandırmaz E., Çiğil A. B., Birtane H.  
2 International Congress on New Trends in Science, Engineering and Technology, Rome, Italy, 4 - 06 September 2018, pp.202-210
- XXII. **Thermal Properties of Polyhedral Oligomeric Silsesquioxanes/Polyimide Nanocomposite**  
MADAKBAŞ S., BİRTANE H., KAHRAMAN M. V.  
ICGMCMCME 2018 20th International Conference on Green Materials Chemistry and Materials Engineering, Roma, Italy, 23 - 24 July 2018
- XXIII. **Dielectric Properties of POSS/POYİMİDE Nanocomposites**  
MADAKBAŞ S., BİRTANE H., ESMER K., KAHRAMAN M. V.  
ICNTC Conference 2018, ST PETERSBURG, Russia, 11 - 13 May 2018
- XXIV. **CELLULOSE ACETATE BUTYRATE BASED THIOL-ENE/SOL GEL HYBRID CROSSLINKED MATRIX FOR HEAVY METAL IONS REMOVAL**  
BİRTANE H., AYDIN URUCU O., KAHRAMAN M. V.  
8th Black Sea Basin Conference on Analytical Chemistry (8th BBCAC) 9-11 May, 2018 İstanbul/Turkey, 9 - 11 May 2018
- XXV. **Thermal and Electrical Properties of Surface Modified Polyaniline- Polyimide Composite Printed on with Screen Printing**  
Birtane H., Çiğil A. B., Arman Kandırmaz E., Kahraman M. V.  
2. Uluslararası Basım Teknolojileri Sempozyumu, İstanbul, Turkey, 11 - 12 October 2017, pp.231-242
- XXVI. **Electrical And Optical Properties Of New Surface Modified Polyaniline Hybrid Composite Printed With Screen Printing**

Çiğil A. B., Arman Kandırmaz E., Birtane H., Kahraman M. V.

2. Uluslararası Basım Teknolojileri Sempozyumu, İstanbul, Turkey, 11 - 12 October 2017, pp.217-229

**XXVII. Surface Modified Nano Diamond Polyimide Hybrid Composites**

BİRTANE H., BEYLER ÇİĞİL A., KAHRAMAN M. V.

ICHIS 2016 : 18th International Conference on Hybrid Intelligent Systems, 25 - 26 April 2016

**XXVIII. Efficiency of a Molecularly Imprinted Polymer for Selective Removal of Chlorpyrifos from Water Samples**

AYDIN URUCU O., BEYLER ÇİĞİL A., BİRTANE H., KÖK YETİMOĞLU E., KAHRAMAN M. V.

18th International Conference on Hybrid Intelligent Systems, 25 - 26 April 2016

## **Metrics**

Publication: 43

Citation (WoS): 71

Citation (Scopus): 124

H-Index (WoS): 5

H-Index (Scopus): 7

## **Non Academic Experience**

MARMARA ÜNİVERSİTESİ