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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 Istanbul/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

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H-Index (WoS): 5

H-Index (Scopus): 7

Non Academic Experience

MARMARA ÜNİVERSİTESİ