

Assoc. Prof. Mehmet YILMAZ

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International Researcher IDs

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Biography

Dr. Mehmet Yılmaz, Lisans, Yüksek Lisans ve Doktora derecelerini sırasıyla Hacettepe Üniversitesi, Ankara Üniversitesi ve Hacettepe Üniversitesi'nde 2005, 2011 ve 2014 yılında almıştır. 2014-2017 arası dönemde Gazi Üniversitesi'nde Doç. Dr. Gökhan Demirel ve 2017-2018 arası dönemde ise University of Michigan'da Prof. Nicholas A. Kotov danışmanlığında doktora sonrası çalışmalar yapmıştır ve şu anda Atatürk Üniversitesi'nde Doç. Dr. olarak çalışmaktadır. Çalışma alanları: Yüzey Zenginleştirilmiş Raman Spektroskopisi (SERS), Kiral Nanoyapılar, İnce Film Üretimi ve Uygulamaları, Kolloidal Nanoparçacıkların Sentezi ve Üretimi. Dr. Yılmaz dört ulusal projede görev almıştır. Çalışmalarının bir kısmı *Nature Materials* (IF: 38.9), *Advanced Functional Materials* (IF: 15.6) ve *ACS Applied Materials and Interfaces* (IF: 8.4) gibi prestijli dergilerde ilk yazar olarak basılmıştır. Basılı 37 adet SCI makalesi, 1 adet ulusal makalesi ve 2 adet kitap bölümü bulunmaktadır. Dr. Yılmaz bu yayınlarına toplam 988 adet atıf almıştır. Evli ve bir çocuk babasıdır.

Education Information

Post Doctorate, The University of Michigan, Faculty Of Engineering, Chemical Engineering, United States Of America 2017 - 2018

Doctorate, Hacettepe University, Fen Bilimleri Enstitüsü, Biyomühendislik, Turkey 2011 - 2014

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği, Turkey 2006 - 2009

Undergraduate, Hacettepe University, Mühendislik Fakültesi, Kimya Mühendisliği, Turkey 2000 - 2005

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Yüzey Zenginleştirilmiş Raman Spektroskopisi (SERS) için Nano-yaklaşım Temelli Platformların Geliştirilmesi ve Tanı Amaçlı Uygulanması, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Biyomühendislik, 2014

Postgraduate, Süperkritik Akışkan Ortamında Kopolimerizasyon, Ankara Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği, 2009

Research Areas

Chemical Engineering and Technology, Chemistry, Physical Chemistry, Spectroscopy, Surface Chemistry, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Ataturk University, Mühendislik Fakültesi, Kimya Mühendisliği, 2019 - Continues
Assistant Professor, Ataturk University, Mühendislik Fakültesi, Kimya Mühendisliği, 2018 - 2019
Assistant Professor, Sinop University, Mühendislik Ve Mimarlık Fkültesi, Biyomühendislik, 2015 - 2018
Research Assistant, Ankara University, Mühendislik Fakültesi, Kimya Mühendisliği, 2006 - 2011
Research Assistant, Van Yüzüncü Yil University, Mühendislik Fakültesi, Kimya Mühendisliği, 2005 - 2006

Academic and Administrative Experience

Rectorate Commissioner, Ataturk University, Mühendislik Fakültesi, Kimya Mühendisliği, 2022 - Continues
Rectorate Commissioner, Ataturk University, Mühendislik Fakültesi, Kimya Mühendisliği, 2021 - Continues

Courses

Proje Hazırlama, Postgraduate, 2023 - 2024
Akademik Okuma ve Yazma Becerileri, Undergraduate, 2022 - 2023
Nanodesenlenmiş Yüzeyler ve Uygulamaları, Postgraduate, 2022 - 2023
Yüzey Zenginleştirilmiş Raman Spektroskopisi (SERS) ve Uygulamaları, Postgraduate, 2022 - 2023, 2021 - 2022
Akışkanlar Mekaniği, Undergraduate, 2022 - 2023
Kütle ve Enerji Denklikleri, Undergraduate, 2022 - 2023
Biyobenzetim ve Uygulamaları, Postgraduate, 2022 - 2023
Nanostructured surfaces and Applications, Postgraduate, 2022 - 2023
Akışkanlar Mekaniği, Undergraduate, 2021 - 2022
Nanodesenlenmiş Yüzeyler ve Uygulamaları, Postgraduate, 2021 - 2022
Akışkanlar Mekaniği I, Undergraduate, 2016 - 2017

Advising Theses

Yılmaz M., Farklı Morfolojilerde Titanyum Dioksit Nanosistemlerin Üretilmesi, Karakterizasyonu ve Biyolojik Uygulamaları, Postgraduate, N.SERGİNAY(Student), 2024
Yılmaz A., Yılmaz M., YÜZEY ZENGİNLEŞTİRİLMİŞ RAMAN SPEKTROSKOPİSİ (SERS) YAKLAŞIMI İLE ALT SUŞ BAKTERİ TANISI, Postgraduate, F.CAN(Student), 2024
Yılmaz A., Yılmaz M., ÜRE VE LAKTİK ASİTTEN KARBON KUANTUM NOKTALARININ ÜRETİMİ VE Fe+3 TANI SİSTEMİ OLARAK KULLANIMI, Postgraduate, S.AYDIN(Student), 2023
Yılmaz M., MXene/metal nanokompozit sistemleri ve SERS uygulamaları, Postgraduate, H.MAZLUMOĞLU(Student), 2023
Yılmaz A., YILMAZ M., Farklı pasaj numaralarındaki hücre hatlarında farklılaşmanın yüzey zenginleştirilmiş Raman spektroskopisi(SERS) yaklaşımı ile araştırılması, Postgraduate, N.ÖNCER(Student), 2023
Yılmaz M., Yüzey Zenginleştirilmiş Raman Spektroskopisi (SERS) ve Haritalama Tekniği Kullanılarak Farklı Tipte Hücrelerde Apoptoz ile Nekroz Düzeylerinin Belirlenmesi, Postgraduate, O.ÜSTÜN(Student), 2023
Yılmaz M., YÜZEY ZENGİNLEŞTİRİLMİŞ RAMAN SPEKTROSKOPİSİ (SERS) YAKLAŞIMI İLE HÜCRE TİPLERİNİN TANIMLANMASI, Postgraduate, S.Tarhan(Student), 2021

Jury Memberships

Post Graduate, Yüksek lisans Tez savunma, Van Yüzüncü Yıl Üniversitesi, August, 2019

Post Graduate, Yüksek lisans Tez savunma, Tokat Gaziosmanpaşa Üniversitesi, August, 2019

Doctorate, Doktora Tez Savunma, Tokat Gaziosmanpaşa Üniversitesi, July, 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Machine learning-assisted SERS approach enables the biochemical discrimination in Bcl-2 and Mcl-1 expressing yeast cells treated with ketoconazole and fluconazole antifungals**
Guler A., Yılmaz A., Oncer N., Sever N. I., Cengiz Sahin S., Kavakcioglu Yardimci B., Yılmaz M.
Talanta, vol.276, 2024 (SCI-Expanded)
- II. **Green Synthesis of Various Heteroatom-doped Carbon Quantum Dots from Urine, Whey, and Their Mixture: The Optimization of Synthesis and Potential Applications**
Aydin S., YILMAZ A., YILMAZ M.
CHEMISTRYSELECT, vol.9, no.17, 2024 (SCI-Expanded)
- III. **Hummers' method-assisted liquid-phase exfoliation enables the fabrication of few-layer borophene from bulk boron**
Bingöl M. S., Yılmaz M., Kasapoğlu A. E.
TURKISH JOURNAL OF CHEMISTRY, vol.48, no.2, pp.289-299, 2024 (SCI-Expanded)
- IV. **Hispidulin exerts a protective effect against oleic acid induced-ARDS in the rat via inhibition of ACE activity and MAPK pathway**
Koç K., Şimşek Özek N., Aysin F., Demir Ö., Yılmaz A., Yılmaz M., Geyikoğlu F., Erol H. S.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL HEALTH RESEARCH, vol.34, no.2, pp.755-766, 2024 (SCI-Expanded)
- V. **Silver nanostructure-decorated hierarchical titanium dioxide nanoflowers for SERS and photocatalytic applications**
Serginay N., MAZLUMOĞLU H., YILMAZ A., YILMAZ M.
CATALYSIS COMMUNICATIONS, vol.178, 2023 (SCI-Expanded)
- VI. **pH-Sensitive Fluorescence Emission of Boron/Nitrogen Co-Doped Carbon Quantum Dots**
Ustun O., Karadag S. N., MAZLUMOĞLU H., YILMAZ A., YILMAZ M.
Coatings, vol.13, no.2, 2023 (SCI-Expanded)
- VII. **The fabrication of excitation-dependent fluorescence boron/nitrogen co-doped carbon quantum dots and their employment in bioimaging**
Karadag S. N., Ustun O., YILMAZ A., YILMAZ M.
Chemical Physics, vol.562, 2022 (SCI-Expanded)
- VIII. **Hydrothermal Synthesis of Nitrogen-Doped and Excitation-Dependent Carbon Quantum Dots for Selective Detection of Fe³⁺ in Blood Plasma**
Aydin S., Ustun O., Ghosigharehaghaji A., TAVACI T., YILMAZ A., YILMAZ M.
COATINGS, vol.12, no.9, 2022 (SCI-Expanded)
- IX. **Catalytic and SERS activities of WO₃-based nanowires: the effect of oxygen vacancies, silver nanoparticle doping, and the type of organic dye**
Ustun O., YILMAZ A., YILMAZ M.
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, vol.24, no.31, pp.18615-18626, 2022 (SCI-Expanded)
- X. **A sensitive nanocomposite design via polydopamine mediated Au and Ag nanoparticles: Voltammetric assay for dopamine in biological samples**
KARATAŞ E., Ozden D. S., YILMAZ M., YAZAN Z., Piskin E.
THIN SOLID FILMS, vol.756, 2022 (SCI-Expanded)
- XI. **Antibacterial activity and cytotoxicity of bioinspired poly(L-DOPA)-mediated silver nanostructure-decorated titanium dioxide nanowires**

Serginay N., Dizaji A. N., Mazlumoğlu H., Karatas E., Yılmaz A., Yılmaz M.

Colloids and Surfaces A: Physicochemical and Engineering Aspects, vol.639, 2022 (SCI-Expanded)

- XII. **Gold nanorod arrays enable highly sensitive bacterial detection via surface-enhanced infrared absorption (SEIRA) spectroscopy**
Dizaji A. N., Şimşek Özek N., Yılmaz A., Aysin F., Yılmaz M.
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.206, 2021 (SCI-Expanded)
- XIII. **Fabrication of gold nanostructure decorated polystyrene hybrid nanosystems via poly(L-DOPA) and their applications in surface-enhanced Raman Spectroscopy (SERS), and catalytic activity**
Calis B., YILMAZ M.
COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, vol.622, 2021 (SCI-Expanded)
- XIV. **Poly(L-DOPA)-mediated bimetallic core-shell nanostructures of gold and silver and their employment in SERS, catalytic activity, and cell viability**
Turan H., Calis B., Dizaji A. N., Tarhan S., Mazlumoglu H., Aysin F., Yılmaz A., Yılmaz M.
NANOTECHNOLOGY, vol.32, no.31, 2021 (SCI-Expanded)
- XV. **Silver nanoparticle-decorated titanium dioxide nanowire systems via bioinspired poly(L-DOPA) thin film as a surface-enhanced Raman spectroscopy (SERS) platform, and photocatalyst**
MAZLUMOĞLU H., YILMAZ M.
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, vol.23, pp.13396-13404, 2021 (SCI-Expanded)
- XVI. **Combining vancomycin-modified gold nanorod arrays and colloidal nanoparticles as a sandwich model for the discrimination of Gram-positive bacteria and their detection via surface-enhanced Raman spectroscopy (SERS)**
Dizaji A. N., ŞİMŞEK ÖZEK N., AYSİN F., CALIS A., YILMAZ A., YILMAZ M.
ANALYST, vol.146, pp.3642-3653, 2021 (SCI-Expanded)
- XVII. **Monitoring chemically and green-synthesized silver nanoparticles in maize seedlings via surface-enhanced Raman spectroscopy (SERS) and their phytotoxicity evaluation**
Yılmaz M., Yılmaz A., Karaman A., Aysin F., Aksakal Ö.
Talanta, vol.225, 2021 (SCI-Expanded)
- XVIII. **Metallic Nanoparticle-Decorated Polydopamine Thin Films and Their Cell Proliferation Characteristics**
AYSİN F., YILMAZ A., YILMAZ M.
COATINGS, vol.10, no.9, 2020 (SCI-Expanded)
- XIX. **Bimetallic Core Shell Nanoparticles of Gold and Silver via Bioinspired Polydopamine Layer as Surface-Enhanced Raman Spectroscopy (SERS) Platform**
YILMAZ A., YILMAZ M.
NANOMATERIALS, vol.10, no.4, 2020 (SCI-Expanded)
- XX. **Silver thin film deposited 3-dimensional gold nanorod arrays for plasmonic catalysis**
YILMAZ M., Demirel G. B., Demirel G.
Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, vol.38, no.2, 2020 (SCI-Expanded)
- XXI. **Gold-nanoisland-decorated titanium nanorod arrays fabricated by thermal dewetting approach**
Dinc D. O., Yılmaz M., Cetin S. S., Turk M., Piskin E.
SURFACE INNOVATIONS, vol.7, no.5, pp.249-259, 2019 (SCI-Expanded)
- XXII. **Silver-Nanoparticle-Decorated Gold Nanorod Arrays via Bioinspired Polydopamine Coating as Surface-Enhanced Raman Spectroscopy (SERS) Platforms**
YILMAZ M.
COATINGS, vol.9, no.3, 2019 (SCI-Expanded)
- XXIII. **Asymmetric, nano-textured surfaces influence neuron viability and polarity**
BELU A., Yılmaz M., NEUMANN E., Offenhaeusser A., Demirel G., MAYER D.
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A, vol.106, no.6, pp.1634-1645, 2018 (SCI-Expanded)
- XXIV. **Surface-enhanced Raman spectroscopy (SERS): an adventure from plasmonic metals to organic semiconductors as SERS platforms**
Demirel G., USTA H., Yılmaz M., Celik M., Alidagi H. A., Buyukserin F.

- JOURNAL OF MATERIALS CHEMISTRY C, vol.6, no.20, pp.5314-5335, 2018 (SCI-Expanded)
- XXV. **Nanostructured organic semiconductor films for molecular detection with surface-enhanced Raman spectroscopy**
Yilmaz M., Babur E., Ozdemir M., Giesecking R. L., Dede Y., Tamer U., Schatz G. C., Facchetti A., USTA H., Demirel G.
NATURE MATERIALS, vol.16, no.9, pp.918-925, 2017 (SCI-Expanded)
- XXVI. **Three-Dimensional Au-Coated Electrospayed Nanostructured BODIPY Films on Aluminum Foil as Surface-Enhanced Raman Scattering Platforms and Their Catalytic Applications**
Yilmaz M., ERKARTAL M., Ozdemir M., Sen U., USTA H., Demirel G.
ACS APPLIED MATERIALS & INTERFACES, vol.9, no.21, pp.18199-18206, 2017 (SCI-Expanded)
- XXVII. **Understanding the effect of polydopamine coating on catalytic reduction reactions**
Bakirci G., Yilmaz M., Babur E., Ozden D., Demirel G.
CATALYSIS COMMUNICATIONS, vol.91, pp.48-52, 2017 (SCI-Expanded)
- XXVIII. **Fabrication of Plasmonic Nanorod-Embedded Dipeptide Microspheres via the Freeze-Quenching Method for Near-Infrared Laser-Triggered Drug-Delivery Applications**
Erdogan H., Yilmaz M., Babur E., DUMAN M., AYDIN H., Demirel G.
BIOMACROMOLECULES, vol.17, no.5, pp.1788-1794, 2016 (SCI-Expanded)
- XXIX. **Synthesis and characterization of poly(glycerol-co-sebacate-co- ϵ -caprolactone) elastomers**
AYDIN H., Salimi K., YILMAZ M., Turk M., Rzayev Z. M. O., Piskin E.
Journal of Tissue Engineering and Regenerative Medicine, vol.10, no.1, 2016 (SCI-Expanded)
- XXX. **Silver or gold deposition onto magnetite nanoparticles by using plant extracts as reducing and stabilizing agents**
Dizaji A. N., Yilmaz M., Piskin E.
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.44, no.4, pp.1109-1115, 2016 (SCI-Expanded)
- XXXI. **Antenna-type radiofrequency generator in nanoparticle-mediated hyperthermia**
Nasseri B., Yilmaz M., Turk M., Kocum I. C., Piskin E.
RSC ADVANCES, vol.6, no.54, pp.48427-48434, 2016 (SCI-Expanded)
- XXXII. **The fabrication of plasmonic nanoparticle-containing multilayer films via a bio-inspired polydopamine coating**
Yilmaz M., Bakirci G., Erdogan H., Tamer U., Demirel G.
RSC ADVANCES, vol.6, no.15, pp.12638-12641, 2016 (SCI-Expanded)
- XXXIII. **Micro-/Nanostructured Highly Crystalline Organic Semiconductor Films for Surface-Enhanced Raman Spectroscopy Applications**
Yilmaz M., Ozdemir M., Erdogan H., Tamer U., Sen U., Facchetti A., USTA H., Demirel G.
ADVANCED FUNCTIONAL MATERIALS, vol.25, no.35, pp.5669-5676, 2015 (SCI-Expanded)
- XXXIV. **Light-Driven Unidirectional Liquid Motion on Anisotropic Gold Nanorod Arrays**
Yilmaz M., Kuloglu H. B., Erdogan H., Cetin S. S., Yavuz M. S., Ince G. O., Demirel G.
ADVANCED MATERIALS INTERFACES, vol.2, no.12, 2015 (SCI-Expanded)
- XXXV. **Morphological Versatility in the Self-Assembly of Val-Ala and Ala-Val Dipeptides**
Erdogan H., Babur E., Yilmaz M., Candas E., Gordesel M., Dede Y., Oren E. E., Demirel G. B., Ozturk M. K., Yavuz M. S., et al.
LANGMUIR, vol.31, no.26, pp.7337-7345, 2015 (SCI-Expanded)
- XXXVI. **Controlled graft copolymerization of lactic acid onto starch in a supercritical carbon dioxide medium**
Salimi K., Yilmaz M., Rzayev Z. M. O., Piskin E.
CARBOHYDRATE POLYMERS, vol.114, pp.149-156, 2014 (SCI-Expanded)
- XXXVII. **Large area uniform deposition of silver nanoparticles through bio-inspired polydopamine coating on silicon nanowire arrays for practical SERS applications**
Akin M. S., Yilmaz M., Babur E., Ozdemir B., Erdogan H., Tamer U., Demirel G.
JOURNAL OF MATERIALS CHEMISTRY B, vol.2, no.30, pp.4894-4900, 2014 (SCI-Expanded)
- XXXVIII. **Investigation of lichen based green synthesis of silver nanoparticles with response surface methodology**
Yildiz N., Ateş Ç., Yilmaz M., Demir D., Yildiz A., Çalimli A.

- Green Processing and Synthesis, vol.3, no.4, pp.259-270, 2014 (SCI-Expanded)
- XXXIX. **Combining 3-D plasmonic gold nanorod arrays with colloidal nanoparticles as a versatile concept for reliable, sensitive, and selective molecular detection by SERS**
Yilmaz M., Senlik E., Biskin E., Yavuz M. S., Tamer U., Demirel G.
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, vol.16, no.12, pp.5563-5570, 2014 (SCI-Expanded)
- XL. **Ring-opening copolymerization of L-lactide and epsilon-caprolactone in supercritical carbon dioxide using triblock oligomers of caprolactone and PEG as stabilizers**
Yilmaz M., Egri S., Yildiz N., Calimli A., Piskin E.
POLYMER JOURNAL, vol.43, no.9, pp.785-791, 2011 (SCI-Expanded)
- XLI. **Dispersion polymerization of L-lactide in supercritical carbon dioxide**
Yilmaz M., Egri S., Yildiz N., Calimli A., Piskin E.
JOURNAL OF POLYMER RESEARCH, vol.18, no.5, pp.975-982, 2011 (SCI-Expanded)

Articles Published in Other Journals

- I. **Excitation-Dependent and pH-Sensitive Fluorescence Emission of Carbon Quantum Dots from Whey as Precursor**
İlter A. B., AYDIN S., YILMAZ A., YILMAZ M.
AVES YAYINCILIK A.Ş., vol.3, 2023 (Peer-Reviewed Journal)
- II. **3D and Plasmonic Nanoparticle Decorated Catalytic System via Bio-inspired Polydopamine Coating: Cigar Filter Case Study**
YILMAZ M.
Hacettepe Journal of Biology and Chemistry, vol.46, no.4, pp.515-521, 2018 (Scopus)

Books & Book Chapters

- I. **BAĞLAMA TEKNİKLERİ**
Yılmaz A., Yılmaz M.
in: NANOÜRETİM TEKNİKLERİ, Editor, Nobel Akademik Yayıncılık, Ankara, pp.297-312, 2023
- II. **NANOTEKNOLOJİDE İNCE FİLM BİRİKTİRME YÖNTEMLERİ**
AKÇAKOCA İ., NARİN P., ÜNVEROĞLU ABDİOĞLU B., YILMAZ M.
in: NANOÜRETİM TEKNİKLERİ, Editor, Nobel Akademik Yayıncılık, pp.191-236, 2023
- III. **SIVI TEMELLİ YAKLAŞIMLAR İLE NANOYAPILARIN ÜRETİMİ**
TURAN H., Dizaji A. N., YILMAZ M.
in: NANOÜRETİM TEKNİKLERİ, Editor, Nobel Akademik Yayıncılık, pp.67-96, 2023
- IV. **Biyoesinlenmiş Fonksiyonel Malzemeler**
ERDOĞAN H., YILMAZ M., ÖZDEN D. Ş., DEMİREL G.
in: İleri Malzemeler: Biyomalzeme ve Nanomalzeme Uygulamaları, Kurallay Filiz, Editor, HACETTEPE ÜNİVERSİTESİ, Ankara, pp.89-115, 2019
- V. **MULTIFUNCTIONAL THERAPEUTIC HYBRID NANOCARRIERS FOR TARGETED AND TRIGGERED DRUG DELIVERY: RECENT TRENDS AND FUTURE PROSPECTS**
KURTAY G., YILMAZ M., KURALAY F., BİRLİK DEMİREL G.
in: Nanostructures for Drug Delivery, Ecaterina Andronescu, Alexandru Mihai Grumezescu, Editor, Elsevier, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. **pH-mediated Emission of Boron/Nitrogen co-doped Carbon Quantum Dots**
ÜSTÜN O., YILMAZ M., YILMAZ A.

NanoTR 2022, Ankara, Turkey, 05 September 2022

- II. **The Fabrication of Silver Nanoparticle-decorated Titanium Dioxide Nanoflowers Through Bioinspired Poly(L-DOPA) Thin Film and Their Biological Applications**
SERGİNAY N., Ghosigharehaghaji A., MAZLUMOĞLU H., YILMAZ M.
NanoTR 2022, Ankara, Turkey, 05 September 2022
- III. **The Fabrication of Novel Fluorescence dye-loaded PEG-PLA Nanoparticle Systems**
Öncer N., YILMAZ A., YILMAZ M., YALÇIN E., SEFEROĞLU Z.
NanoTR 2022, Ankara, Turkey, 05 September 2022
- IV. **Hydrothermal synthesis of Nitrogen and boron co-doped carbon quantum dots for bioimaging**
Karadağ Ş. N., ÜSTÜN O., YILMAZ A., YILMAZ M.
2nd International Conference on Applied Engineering and Natural Sciences, Konya, Turkey, 10 March 2022
- V. **Poly(L-DOPA)-mediated silver nanoparticle-decorated titanium dioxidenanowires with high SERS and, photocatalytic activity**
Mazlumoğlu H., Yılmaz M.
World Congress on Applied Nanotechnology 2021, Erzurum, Turkey, 24 - 26 November 2021, pp.123-126
- VI. **Gold nanoparticle-decorated polystyrene hybrid nanosystems as SERS platform, and catalyst**
YILMAZ M.
World Congress on Applied Nanotechnology 2021, Turkey, 24 - 26 November 2021
- VII. **Hücreleştirilmiş Dokular ve Grafen Oksit'in Birlikte Kullanılmasının Doku Mühendisliği Uygulamaları**
İNCİ İ., Norouz Dizaji A., AYSİN F., ŞİMŞEK ÖZEK N., YILMAZ A., YILMAZ M.
The 3rd International Medical Congress of Izmir Democracy University (IMCIDU 2021), 10 December 2021
- VIII. **THE MONITORING OF DIMERIZATION AND CATALYTIC CONVERSION OF ORGANIC DYES ON TUNGSTEN NPs WITH OXYGEN VACANCIES THROUGH SURFACE-ENHANCED RAMAN SPECTROSCOPY (SERS)**
ÜSTÜN O., YILMAZ A., YILMAZ M.
1st INTERNATIONAL CONGRESS ON NATURAL SCIENCES (ICNAS-2021), Turkey, 10 - 12 September 2021
- IX. **Highly Sensitive Fourier Transform Infrared (FT-IR)-based Whole-Cell Bacterial Detection by Combining Gold Nanorod Arrays and Gold Nanoparticles as Sandwich Platform**
Dizaji A. N., ŞİMŞEK ÖZEK N., YILMAZ M.
4th International Symposium on Advanced Materials and Nanotechnology, 1 - 03 December 2020, pp.316-320
- X. **Bimetallic Core/Shell Nanoparticles of Gold and Silver via Bioinspired Polydopamine Layer**
YILMAZ M.
iSAMN 2019 (3rd International Symposium On Advanced Materials and Nanotechnology), 19 - 20 August 2019
- XI. **Cell Diagnosis Based on Surface-Enhanced Raman Spectroscopy (SERS) Tools**
YILMAZ M., YILMAZ A., AYSİN F., ŞİMŞEK ÖZEK N.
iSAMN 2019 (3rd International Symposium On Advanced Materials and Nanotechnology), 19 - 20 August 2019
- XII. **Novel Approaches in Synthesis of Chiral Nanostructures**
YILMAZ M.
ISASE2018 INTERNATIONAL SYPOSIUM ON APPLIED SCIENCES AND ENGINEERING, 26 - 28 November 2018
- XIII. **Nanostructured Organic Semiconductor Thin Films as Surface Enhanced Raman Spectroscopy (SERS) Platforms**
YILMAZ M.
ISASE2018 INTERNATIONAL SYPOSIUM ON APPLIED SCIENCES AND ENGINEERING, 26 - 28 November 2018
- XIV. **Organic semiconductor thin films as SERS substrates**
YILMAZ M.
41st Annual Symposium Emergent Polymer Science Engineering, 19 October 2017
- XV. **Nanostructured organic semiconductor films as new generations of surface-enhanced Raman spectroscopy substrates**
YILMAZ M.
2017-5th Annual LNF Users Symposium, 06 December 2017

- XVI. **Gold modified anisotropic titanium nanorod arrays for sensing applications**
ÖZDEN D. Ş., YILMAZ M., BİŞKİN E., DEMİREL G.
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- XVII. **Layer by layer films of polydopamine and gold nanoparticles**
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- XXI. **PGEs Carrying Polydopamine Mediated Gold Nanoparticles**
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- XXIII. **Polydopamine mediated nanoparticle deposition for SERS applications**
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- XXIV. **Theranostic aimed nanoabsorbers in antenna modulus radiofrequency hyperthermia A comprehensive study**
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- XXV. **Fabrication and SERS applications of uni directional gold and silver nanorod arrays enhanced by colloidal nanoparticles**
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- XXX. **Magnetite gold core shell nanoparticles for delivery and imaging of plasmid DNA**
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- NADAROĞLU H., HACİMÜFTÜOĞLU A., DAŞ E., BAYRAKÇEKEN YURTCAN A., BARIŞ Ö., GÜR E., ÇOMAKLI Ö., KARAKAN M., ERTUĞRUL M., EFEOĞLU H., et al., Project Supported by Higher Education Institutions, World Congress on Applied Nanotechnology 2021, 2021 - 2022
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Tasks In Event Organizations

Bayrakçeken H., GÜR E., YILMAZ M., W-CAN2021 , Scientific Congress, Erzurum, Turkey, Kasım 2021

Metrics

Publication: 87
Citation (WoS): 1067
Citation (Scopus): 1135
H-Index (WoS): 16
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Session Moderator, Erzurum, Turkey, 2021

Awards

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