

## Doç.Dr. MEHRDAD FOROUGH

### Kişisel Bilgiler

**İş Telefonu:** [+90 312 210 3225](tel:+903122103225)

**E-posta:** mforough@metu.edu.tr

**Web:** <https://avesis.metu.edu.tr/mforough>

### Uluslararası Araştırmacı ID'leri

ScholarID: VRSmEEUAAAAJ

ORCID: 0000-0001-5475-1203

Publons / Web Of Science ResearcherID: K-2161-2019

ScopusID: 42461432100

### Araştırma Alanları

Temel Bilimler

### SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. Fluorometric and colorimetric platforms for rapid and sensitive hydroxychloroquine detection in aqueous samples  
Doğan K., Ünal Taş D., Persil Çetinkol Ö., Forough M.  
Talanta, cilt.270, 2024 (SCI-Expanded)
- II. Enhanced carbohydrate-based plastic performance by incorporating cerium-based metal-organic framework for food packaging application  
Jafarzadeh S., Golgoli M., Azizi-Lalabadi M., Farahbakhsh J., Forough M., Rabiee N., Zargar M.  
International Journal of Biological Macromolecules, cilt.265, 2024 (SCI-Expanded)
- III. Green synthesis of nanomaterials for smart biopolymer packaging: challenges and outlooks  
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JOURNAL OF NANOSTRUCTURE IN CHEMISTRY, cilt.14, sa.2, ss.113-136, 2024 (SCI-Expanded)
- IV. Advanced technologies in biodegradable packaging using intelligent sensing to fight food waste  
Jafarzadeh S., Yıldız Z., Yıldız P., Strachowski P., Forough M., Esmaeli Y., Naebe M., Abdollahi M.  
International Journal of Biological Macromolecules, cilt.261, 2024 (SCI-Expanded)
- V. Improving the functionality of biodegradable food packaging materials via porous nanomaterials  
Jafarzadeh S., Forough M., Kouzegaran V. J., Zargar M., Garavand F., Azizi-Lalabadi M., Abdollahi M., Jafari S. M.  
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- VI. Electrochemical detection of Oxaliplatin induced DNA damage in G-quadruplex structures  
Osmanogulları S. C., FOROUGH M., PERSİL ÇETINKOL Ö., UDUM Y., Toppare L.  
ANALYTICAL BIOCHEMISTRY, cilt.671, 2023 (SCI-Expanded)
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Critical reviews in food science and nutrition, cilt.63, sa.29, ss.9667-9693, 2023 (SCI-Expanded)
- VIII. Application of bacterial nanocellulose decorated with zeolitic imidazolate framework (ZIF-L) as a platform for food freshness monitoring  
Molaei R., Moradi M., Kahyaoğlu L. N., Forough M.

- International Journal of Biological Macromolecules, cilt.223, ss.713-721, 2022 (SCI-Expanded)
- IX. **Coumarin 6H-fused fluorescent probe for highly sensitive detection of coralyne using oligonucleotide-modified silver nanoparticles.**  
Usta H. M., Forough M., Persil Çetinkol Ö.  
Analytical and bioanalytical chemistry, cilt.414, sa.24, ss.7299-7313, 2022 (SCI-Expanded)
- X. **Renewable and Recyclable Polymeric Materials for Food Packaging: A New Open Special Issue in <i>Materials</i>.**  
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- XI. **Plant protein-based food packaging films; recent advances in fabrication, characterization, and applications**  
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Trends in Food Science and Technology, cilt.120, ss.154-173, 2022 (SCI-Expanded)
- XII. **The control of fungi and mycotoxins by food active packaging: a review**  
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- XIV. **Highly-sensitive and fast detection of human telomeric G-Quadruplex DNA based on a hemin-conjugated fluorescent metal-organic framework platform**  
Javan Kouzegaran V., Farhadi K., Forough M., Bahram M., Persil Çetinkol Ö.  
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- XV. **Construction of amperometric biosensor modified with conducting polymer/carbon dots for the analysis of catechol**  
Yasa M., Deniz A., Forough M., YILDIRIM E., PERSİL ÇETİNKOL Ö., Udum Y. A., TOPPARE L. K.  
Journal of Polymer Science, cilt.58, sa.23, ss.3336-3348, 2020 (SCI-Expanded)
- XVI. **Novel fluorescent azacyanine compounds: Improved synthesis and optical properties**  
Doğan K., Gülkaya A., Forough M., Persil Ç.  
ACS Omega, cilt.5, sa.36, ss.22874-22882, 2020 (SCI-Expanded)
- XVII. **A conjugated gold nanoparticle-azacyanine off-on-off fluorescence probe for sensitive and selective detection of G-quadruplexes**  
Bilgen E., Forough M., PERSİL ÇETİNKOL Ö.  
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- XVIII. **Silver nanoparticles-tragacanth gel as a green membrane for effective extraction and determination of capecitabine**  
Hajizadeh S., Farhadi K., Molaei R., Forough M.  
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- XIX. **Development of an easy-to-use colorimetric pH label with starch and carrot anthocyanins for milk shelf life assessment**  
Goodarzi M. M., Moradi M., Tajik H., Forough M., Ezati P., Kuswandi B.  
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- XX. **Application of novel Fe3O4-g-GO-g-RAFT agent nanoabsorbents for D-SPME of biogenic amines in smoked fish**  
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- XXI. **Azacyanines as novel topoisomerase II alpha inhibitors**  
Guloglu S., Kirmaci F. N., PERSİL ÇETİNKOL Ö., Forough M., Gulkaya A.  
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- XXII. **A DNA-free colorimetric probe based on citrate-capped silver nanoparticles for sensitive and rapid**

- detection of coralyne**  
Usta H. M., Forough M., Cetinkol Ö.  
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- XXIII. A novel pH-sensing indicator based on bacterial cellulose nanofibers and black carrot anthocyanins for monitoring fish freshness**  
Moradi M., Tajik H., Almasi H., Forough M., Ezati P.  
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- XXIV. Cellulose/chitosan pH-responsive indicator incorporated with carrot anthocyanins for intelligent food packaging**  
Tirtashi F. E., Moradi M., Tajik H., Forough M., Ezati P., Kuswandi B.  
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- XXV. In-situ synthesis of silver nanoparticles on porous silicon nanostructure through galvanic displacement reaction and its application in construction of glucose screen printed sensor**  
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- XXVI. Nanostructured chitosan/monolaurin film: Preparation, characterization and antimicrobial activity against Listeria monocytogenes on ultrafiltered white cheese**  
Lotfi M., Tajik H., Moradi M., Forough M., Divsalar E., Kuswandi B.  
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- XXVII. Characterization of cellulosic paper coated with chitosan-zinc oxide nanocomposite containing nisin and its application in packaging of UF cheese**  
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INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, cilt.109, ss.1311-1318, 2018 (SCI-Expanded)
- XXVIII. Rapid ionic liquid-supported nano-hybrid composite reinforced hollow-fiber electromembrane extraction followed by field-amplified sample injection-capillary electrophoresis: An effective approach for extraction and quantification of Imatinib mesylate in human plasma**  
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JOURNAL OF CHROMATOGRAPHY A, cilt.1516, ss.21-34, 2017 (SCI-Expanded)
- XXIX. Physical, antimicrobial and antibiofilm properties of Zataria multiflora Boiss essential oil nanoemulsion**  
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- XXX. Capillary electrophoresis with online stacking in combination with AgNPs@MCM-41 reinforced hollow fiber solid-liquid phase microextraction for quantitative analysis of Capecitabine and its main metabolite 5-Fluorouracil in plasma samples isolated from cancer patients**  
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- XXXI. Silver nanoparticles as a new colorimetric probe for determination of oxalic acid in urine**  
Basharzad P. F., Farhadi K., Forough M., Molaei R.  
Sensor Letters, cilt.14, sa.9, ss.906-912, 2016 (SCI-Expanded)
- XXXII. Development of novel Ag/bauxite nanocomposite as a heterogeneous catalyst for biodiesel production**  
Bet-Moushoul E., Farhadi K., Mansourpanah Y., Molaie R., Forough M., Nikbakht A. M.  
RENEWABLE ENERGY, cilt.92, ss.12-21, 2016 (SCI-Expanded)
- XXXIII. Determination of phenolic compounds content and antioxidant activity in skin, pulp, seed, cane and leaf of five native grape cultivars in West Azerbaijan province, Iran**  
Farhadi K., Esmaeilzadeh F., Hatami M., Forough M., Molaie R.  
FOOD CHEMISTRY, cilt.199, ss.847-855, 2016 (SCI-Expanded)
- XXXIV. Application of CaO-based/Au nanoparticles as heterogeneous nanocatalysts in biodiesel production**

- Bet-Moushoul E., Farhadi K., Mansourpanah Y., Nikbakht A. M., Molaei R., Forough M.  
FUEL, cilt.164, ss.119-127, 2016 (SCI-Expanded)
- XXXV. **The AgcorePdshell bimetallic nanoparticles: simple biological synthesis and characterization**  
Farhadi K., Sabzi R. E., Forough M., Pourhossein A., Molaei R., Ebrahimi R.  
JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, cilt.12, sa.11, ss.2015-2021, 2015 (SCI-Expanded)
- XXXVI. **Biosynthetic Route for the Preparation of Nonregular Gold Nanoparticles Using Aqueous Extracted of Nettle (*Urtica dioica L.*) Plant**  
Molaei R., Farhadi K., Forough M., Pourhossein A.  
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- XXXVII. **Highly sensitive and selective colorimetric probe for determination of L-cysteine in aqueous media based on Ag/Pd bimetallic nanoparticles**  
Farhadi K., Forough M., Pourhossein A., Molaei R.  
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- XXXVIII. **Amperometric biosensor for cholesterol based on novel nanocomposite array gold nanoparticles/acetone-extracted propolis/multiwall carbon nanotubes/gold**  
Molaei R., Sabzi R. E., Farhadi K., Kheiri F., Forough M.  
MICRO & NANO LETTERS, cilt.9, sa.2, ss.100-104, 2014 (SCI-Expanded)
- XXXIX. **Biosynthesis of Highly Dispersed Palladium Nanoparticles Using Astraglmannna Aqueous Extract**  
Farhadi K., Pourhossein A., Forough M., Molaei R., Abdi A., Siyami A.  
JOURNAL OF THE CHINESE CHEMICAL SOCIETY, cilt.60, sa.9, ss.1144-1149, 2013 (SCI-Expanded)
- XL. **Dispersive liquid-liquid microextraction of propranolol enantiomers from human plasma based on the solidification of a floating organic droplet**  
Farhadi K., Hatami M., Forough M., Molaei R.  
BIOANALYSIS, cilt.5, sa.6, ss.701-710, 2013 (SCI-Expanded)
- XLI. **Silver nanoparticles in the presence of Ca<sup>2+</sup> as a selective and sensitive probe for the colorimetric detection of cysteine**  
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- XLII. **Highly selective Hg<sup>2+</sup> colorimetric sensor using green synthesized and unmodified silver nanoparticles**  
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- XLIII. **Silver nanoparticles as a cyanide colorimetric sensor in aqueous media**  
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## Diger Dergilerde Yayınlanan Makaleler

- I. **Green Biological Fabrication and Characterization of Highly Monodisperse Palladium Nanoparticles Using Pistacia Atlantica Fruit Broth**  
Molaie R., Farhadi K., Forough M., Hajizadeh S.  
JOURNAL OF NANOSTRUCTURES, cilt.8, sa.1, ss.47-54, 2018 (ESCI)
- II. **Biological and green synthesis of silver nanoparticles**  
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## Kitap & Kitap Bölümleri

**I. Disposable paper-based sensors**

Bilgen E., Suvaci Z., Persil Çetinkol Ö., Forough M.

Fundamentals of Sensor Technology Principles and Novel Designs, Ahmed Barhoum and Zeynep Altintas, Editör, Elsevier Science, Oxford/Amsterdam , New York, ss.803-860, 2023

**II. Biosensors for nucleic acid detection**

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Advanced Sensor Technology Biomedical, Environmental, and Construction Applications, Ahmed Barhoum and Zeynep Altintas, Editör, Elsevier Science, Oxford/Amsterdam , Ankara, ss.1-917, 2023

**III. Hydrogels: Properties, Preparation, Characterization and Biomedical, Applications in Tissue Engineering, Drug, Delivery and Wound Care**

Forough M.

Advanced Healthcare Materials, Ashutosh Tiwari, Editör, Wiley-VCH Verlag Weinheim GmbH , London, ss.295-357, 2014

## **Metrikler**

Yayın: 48

Atıf (WoS): 1681

Atıf (Scopus): 2202

H-İndeks (WoS): 19

H-İndeks (Scopus): 21