

## Lect. PhD FEYZA GENÇ

### Personal Information

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### Education Information

Doctorate, Hacettepe University, Fen Fakültesi, Kimya Bölümü, Turkey 2009 - 2013

Postgraduate, Hacettepe University, Fen Fakültesi, Kimya Bölümü, Turkey 2004 - 2007

Undergraduate, Hacettepe University, Fen Fakültesi, Kimya Bölümü, Turkey 2000 - 2004

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, N-izopropilakrilamit'xxin radyasyonla başlatılan raft polimerizasyonu ve poli(N-izopropilakrilamit) nanojellerin hazırlanması, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (Dr), 2013

Postgraduate, Quaternization of poly(1-vinylimidazole) hydrogel and its use in anion adsorption, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 2007

### Research Areas

Chemistry, Natural Sciences

### Academic Titles / Tasks

Lecturer PhD, Hacettepe University, Fen Fakültesi, Kimya Bölümü, 2008 - Continues

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

- Designing Advanced Cross-Linked Proton Exchange Membranes with Enhanced Structural Homogeneity and Proton Conductivity via Radiation-Induced RAFT Polymerization.**  
Genç F., Yıldırım Kılıç N., Barsbay M.  
ACS omega, vol.9, no.26, pp.28194-28206, 2024 (SCI-Expanded)

- II. **Additive-free synthesis of poly(n-vinyl pyrrolidone) and poly(n-isopropylacrylamide) nanogels with controlled sizes**  
Sütekin S. D., KIRAÇ F., GÜVEN O.  
Turkish Journal of Chemistry, vol.47, no.2, pp.386-398, 2023 (SCI-Expanded)
- III. **The Effect of Ascorbic Acid (Vitamin C) on Transepithelial Corneal Cross-Linking in Rabbits**  
KOC M., BOSTANCI B., DEMIREL O. O., GENÇ F., TEKİN K., Koban Y., Dincel A. S., ŞEN M., YILMAZBAS P.  
JOURNAL OF OCULAR PHARMACOLOGY AND THERAPEUTICS, vol.33, no.7, pp.525-529, 2017 (SCI-Expanded)
- IV. **MORPHOLOGY, MECHANICAL AND THERMAL PROPERTIES OF NANOCOMPOSITES BASED ON ISOTACTIC POLYPROPYLENE AND ZIRCONIUM DIOXIDE NANOPARTICLES**  
RAMAZANOV M. A., MAHARRAMOV A. M., HAJIYEVA F. V., KIRAÇ F., GÜVEN O.  
REVISTA ROMANA DE MATERIALE-ROMANIAN JOURNAL OF MATERIALS, vol.46, no.3, pp.375-382, 2016 (SCI-Expanded)
- V. **Quaternized poly(1-vinylimidazole) hydrogel for anion adsorption**  
KIRAÇ F., UZUN C., GÜVEN O.  
Polymer Bulletin, vol.73, pp.179-190, 2016 (SCI-Expanded)
- VI. **Gamma radiation induced synthesis of poly(N-isopropylacrylamide) mediated by Reversible Addition-Fragmentation Chain Transfer (RAFT) process**  
KIRAÇ F., GÜVEN O.  
RADIATION PHYSICS AND CHEMISTRY, vol.112, pp.76-82, 2015 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Green and Facile Synthesis of Pullulan-Stabilized Silver and Gold Nanoparticles for the Inhibition of Quorum Sensing**  
Ghaffarlou M., İlk S., Hammamchi H., KIRAÇ F., Okan M., Guven O., BARS BAY M.  
ACS APPLIED BIO MATERIALS, vol.5, no.2, pp.517-527, 2022 (ESCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Release of Doxorubicin from Poly N isopropylacrylamide Nanogels Synthesized by Gamma Irradiation**  
KIRAÇ F., GÜVEN O.  
13th Tihany Symposium on Radiation Chemistry, 29 August - 04 September 2015
- II. **İlaç Taşıyıcı Sistem Olarak Tasarlanmış Poli N izopropilakrilamit PNiPAAm Nanojellerin Hazırlanması**  
KIRAÇ F., GÜVEN O.  
5. Ulusal Polimer Bilim ve Teknoloji Kongresi, Tokat, Turkey, 1 - 04 September 2014
- III. **Radiation Induced Synthesis of Nanogels from Poly N isopropylacrylamide with very Narrow Molecular Weights**  
KIRAÇ F., GÜVEN O.  
10th Meeting of Ionizing Radiation and Polymers Symposium, IRaP 2012, 14 - 19 October 2012
- IV. **Gama Işınları Kullanılarak Poli N izopropilakrilamit in Tersinir Katılma Ayrılma Zincir Transfer Polimerizasyonu RAFT İle Sentezi**  
KIRAÇ F., GÜVEN O.  
4. Ulusal Polimer Bilim ve Teknoloji Kongresi, Çanakkale, Turkey, 5 - 08 September 2012
- V. **Radiation Induced Synthesis of Poly N isopropylacrylamide mediated by Reversible Addition Fragmentation Chain Transfer RAFT**  
KIRAÇ F., GÜVEN O.  
9th Meeting of Ionizing Radiation and Polymers Symposium, IRaP 2010, Maryland, United States Of America, 24 - 30 October 2010

- VI. **Düşük Yoğunluklu Polietilen ve Etilen Vinil Asetat Kopolimeri Kullanılarak Isı ile Büzülebilen Tüplerin Hazırlanması**  
KIRAÇ F., ŞEN M.  
3. Ulusal Polimer Bilim ve Teknoloji Kongresi, Kocaeli, Turkey, 12 - 14 May 2010
- VII. **Poli 1 vinilimidazol Hidrojelinin Kuarternizasyonu ve Anyon Adsorpsiyonunda Kullanımı**  
KIRAÇ F., UZUN C., GÜVEN O.  
2. Ulusal Polimer Bilim ve Teknoloji Kongresi, Şanlıurfa, Turkey, 3 April - 02 May 2008

## Supported Projects

Genç F., Barsbay M., IAEA International Atomic Energy Agency Supported Project, Synthesis of ETFE-Based Proton Exchange Membrane (PEM) via Radiation-Induced RAFT Polymerization for Fuel-Cell Applications, 2019 - 2024

Kıraç F., Barsbay M., Other International Funding Programs, Formation of Palladium Nanoclusters via radiation induced reduction of palladium ions absorbed on poly(vinylpyrrolidone) shell grafted on silica microparticles by RAFT polymerization and investigation of their catalytic activities, 2019 - 2022

Kıraç F., Güven O., Barsbay M., Other International Funding Programs, Modification of Cell Culture Dishes by Spin Coating and/or Grafting of Poly(NIPAAm) for Cell Sheet Recovery, 2013 - 2019

GENÇ F., ŞEN M., Project Supported by Higher Education Institutions, Ksantan Sakızı Polimerinin İyonlaştırıcı Radyasyonla Bozunma Hızına Işınlama Dozunun ve Doz Hızının Etkisi, 2015 - 2015

GENÇ F., Project Supported by Higher Education Institutions, Gama Işınları İle Sentezlenmiş Poli(N-izopropilakrilamit) Nanojellerinden Doksorubisin Salmı, 2015 - 2015

Kıraç F., Project Supported by Higher Education Institutions, Doğal Polimerlerin Termogravimetrik Analizör Diferansiyel Taramalı Kalorimetri TGA DSC Sistemleri ile Isıl Karakterizasyonu, 2014 - 2014

Kıraç F., Güven O., Project Supported by Higher Education Institutions, Termogravimetri Fırını Alımı, 2014 - 2014

Kıraç F., Güven O., TUBITAK Project, Poli(N-vinilimidazol)'ün Eser Miktardaki Metal İyonlarının Zenginleştirilmesi ve Uzaklaştırılmasında Kullanılması, 2005 - 2006

## Metrics

Publication: 16  
Citation (WoS): 24  
Citation (Scopus): 23  
H-Index (WoS): 3  
H-Index (Scopus): 3