

## Res. Asst. Elif Kaymazlar

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Ondokuz Mayıs University, Lisansüstü Eğitim Enstitüsü, Kimya (Dr), Turkey 2018 - Continues

Doctorate, Ondokuz Mayıs University, Lisansüstü Eğitim Enstitüsü, Kimya (Dr), Turkey 2018 - Continues

Postgraduate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Turkey 2017 - 2018

Postgraduate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Turkey 2017 - 2018

Postgraduate, Hacettepe University, Fen Bilimleri Enstitüsü, Polimer Bilimi Ve Teknolojisi (YI) (Tezli), Turkey 2015 - 2017

Postgraduate, Hacettepe University, Fen Bilimleri Enstitüsü, Polimer Bilimi Ve Teknolojisi (YI) (Tezli), Turkey 2015 - 2017

Undergraduate, Hacettepe University, Fen Fakültesi, Kimya Bölümü, Turkey 2011 - 2015

Undergraduate, Hacettepe University, Fen Fakültesi, Kimya Bölümü, Turkey 2011 - 2015

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Postgraduate, Silikon elastomerlerin durulma özelliklerine hızlandırıcı tipinin ve oranının etkisi, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 2018

Postgraduate, Silikon elastomerlerin durulma özelliklerine hızlandırıcı tipinin ve oranının etkisi, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 2018

### Research Areas

Rubber Industry, Polymers and Their Applications, Functional Polymers, Conductive Polymers, Composites, Characterization of Polymers, Polymeric Films, Polymeric Complexes, Polymeric Materials, Recycling of Polymers, adhesives, Natural Sciences

### Academic Titles / Tasks

Research Assistant, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, 2017 - Continues

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

- I. **Self-healable and conductive mussel inspired PVA/borax@PDA-LiTFSI hydrogel-based self-adhesive for human motion sensor**  
Kaymazlar E., Dikbas C., Matar G. H., Andaç Ö., Andaç M.  
POLYMER BULLETIN, vol.81, no.10, pp.8751-8764, 2024 (SCI-Expanded)
- II. **Water-triggered self-healing and reversible underwater adhesion in metalorganic polymers**  
Kaymazlar E., Andaç Ö., Garcia S. J.  
JOURNAL OF MATERIALS CHEMISTRY A, vol.12, no.29, pp.18338-18347, 2024 (SCI-Expanded)
- III. **Novel Binary Blended Hydrogel Films (Chitosan-Vanillin Schiff Base/Locust Bean Gum and Fe(III), Cu(II) & Zn(II) Complexes): Synthesis, Characterization, Conductivity, and Antibacterial Activity**  
Matar G. H., Kaymazlar E., Andaç M., Andaç Ö.  
JOURNAL OF POLYMERS AND THE ENVIRONMENT, vol.31, no.8, pp.3509-3521, 2023 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Effect of co-agent type on curing kinetics of vinyl-methyl siloxane and phenyl-vinyl-methyl siloxane elastomers**  
AKSÜT D., KAYMAZLAR E., ŞEN M.  
Adıyaman Üniversitesi Fen Bilimleri Dergisi, vol.14, no.1, pp.1-16, 2024 (Scopus)
- II. **Use of Silver Nanoparticles Loaded Locust Bean Gum Coatings to Extend the Shelf-Life of Fruits**  
Akyuz G., Kaymazlar E., AY H., Andaç M., Andaç Ö.  
BIOINTERFACE RESEARCH IN APPLIED CHEMISTRY, vol.13, no.3, 2023 (ESCI)
- III. **An Investigation of Green Synthesis of Silver Nanoparticles Using Turkish Honey Against Pathogenic Bacterial Strains**  
Matar G. H., Akyuz G., Kaymazlar E., Andaç M.  
BIOINTERFACE RESEARCH IN APPLIED CHEMISTRY, vol.13, no.2, 2023 (ESCI)

## Books & Book Chapters

- I. **Preparation of Electroactive Elastomers: Stress Relaxation and Crosslinking Aspects**  
Babapour A., Nobari Azar F., KAYMAZLAR E., ŞEN M.  
in: Constitutive Models for Rubber X, Jöhrlitz Michael, Lion, Alexander, Editor, CRC Press, Londrina, pp.427-430, 2017

## Refereed Congress / Symposium Publications in Proceedings

- I. **Self-healable and recyclable polydimethylsiloxane elastomers through metal- ligand coordination**  
Kaymazlar E., Andaç Ö., Garcia S. J.  
8th International Conference on Self Healing Materials – ICSHM 2022, Milan, Italy, 20 - 22 June 2022, pp.1
- II. **Self-healable Polydimethylsiloxane (PDMS) based on metal ligand coordination**  
KAYMAZLAR E., ANDAÇ Ö.  
6th ICSTR Bali - International Conference on Science & Technology Research, Balvi, Latvia, 25 December 2021
- III. **Effect of Co-Agent Type and Ratio on the Cure Kinetics of Vinyl-Methyl-Polysiloxane (VMQ) Elastomers**  
KAYMAZLAR E., ŞEN M.  
RubberCon2018, 10 - 11 May 2018
- IV. **Ko-ajan türünün vinil-metil siloksan (VMQ) ve fenil-vinil-netil siloksan (PVMQ) elastomerlerin kür**

### **kinetiđi üzerine etkisi**

AKSÜT D., KAYMAZLAR E., ŐEN M.

VII. Polimer Bilim ve Teknoloji Kongresi, Turkey, 9 - 12 September 2017

### **V. Preparation of Electroactive Elastomers: Stress Relaxation and Crosslinking Aspects**

Babapour A., Nobari Azar F., KAYMAZLAR E., ŐEN M.

10th European Conference on Constitutive Models for Rubbers, 28 - 31 August 2017

### **VI. Identification temperature scanning stress relaxation (TSSR) behaviors of new grade EPDM elastomers**

ŐEN M., CENGİZ S. C., BAYRAM A. T., KAYMAZLAR E., DENİZ V., KARAAĐAÇ B.

RUBBER CON 2017, PRAG, Czech Republic, 23 - 25 May 2017

## **Supported Projects**

Kaymazlar E., Project Supported by Higher Education Institutions, Kendi kendini onarabilen polimerler, 2021 - Continues

Kaymazlar E., TUBITAK Project, Schiff bazı kompleksi içeren kendi kendini onaran silikon elastomer sentezi ve performansının belirlenmesi, 2021 - 2022

## **Congress and Symposium Activities**

9th INTERNATIONAL CONFERENCE ON SELF-HEALING MATERIALS - ICSHM2024, Attendee, Madrid, Spain, 2024

## **Scholarships**

Research Fellowship, TUBITAK, 2022 - 2023

## **Awards**

Kaymazlar E., Best Oral Presentation Award, 9Th International Conference On Self-Healing Materials - Ics hm2024, June 2024