

## **Personal Information**

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## **Education Information**

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği Ana Bilim Dalı, Turkey 2016 - Continues

## **Foreign Languages**

English, C1 Advanced

## **Research Areas**

Technical Sciences, Chemical Engineering and Technology, Basic Operations and Thermodynamics, Separation Operations

## **Academic Titles / Tasks**

Research Assistant, Istanbul Technical University, Kimya-Metalurji Fakültesi, Kimya Mühendisliği Bölümü, 2018 - Continues

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

- I. **Photocatalytic degradation of ciprofloxacin from water with waste polystyrene and TiO<sub>2</sub> composites**  
Hayri Şenel T., Kahraman E., Sezer S., Erdöl Aydın N., Saygılı G.  
Heliyon, vol.10, no.3, 2024 (SCI-Expanded)
- II. **Improving corrosion resistance and electrical conductivity of sunflower oil based polyurethane coatings by graphene oxide/reduced graphene oxide**  
Hayri Şenel T., Kahraman E.  
Polymer Testing, vol.124, 2023 (SCI-Expanded)
- III. **Optimization of 5-FU adsorption on gelatin incorporated graphene oxide nanocarrier and application for antitumor activity**  
Kahraman E., Erdöl Aydın N., Saygılı G.  
Journal of Drug Delivery Science and Technology, vol.80, 2023 (SCI-Expanded)
- IV. **Drug loading of tannic acid crosslinked hydroxyapatite/gelatin composites via spray dryer and kinetic studies**  
Gumus I., Kahraman E., Erdöl Aydın N., Saygılı G.  
Drying Technology, vol.41, no.16, pp.2688-2702, 2023 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Research on Drug Loading Performance of Hydroxyapatite-Gelatin Composites by Co-precipitation Method**

Erdöl Aydın N., Kahraman E., Saygılı G.

Journal of Pharmacy and Pharmacology, vol.7, no.4, pp.212-217, 2019 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Drug loading of tannic acid crosslinked hydroxyapatite/gelatin composites via spray dryer and kinetic studies**

Başer Gümüş I., Kahraman E., Erdöl Aydın N., Saygılı G.

22nd International Drying Symposium (IDS 2022), Massachusetts, United States Of America, 26 - 29 June 2022, pp.1

- II. **Photocatalytic Activity of Hydroxyapatite/Graphene Oxide Composite for Degradation of Ciprofloxacin in Aqueous Solution**

Gül Z., HAYRİ ŞENEL T., KAHRAMAN E., ERDÖL AYDIN N., SAYGILI G.

International Graduate Research Symposium - IGRS'22, İstanbul, Turkey, 1 - 03 June 2022

- III. **Production of 5-FU drug loaded biocomposite materials : Drug loading efficiency and characterization**

ERDÖL AYDIN N., KAHRAMAN E., SAYGILI G.

ISAS 2018-Winter, 2nd International Symposium on Innovative Approaches in Scientific Studies, Samsun, Turkey, 30 November - 02 December 2018, vol.3, pp.1499-1502

- IV. **Research on drug loading performance of hydroxyapatite-gelatin composites by co-precipitation method**

ERDÖL AYDIN N., KAHRAMAN E., SAYGILI G.

5th International Conference on Materials Science and Nanotechnology for Next Generation (MSNG-2018), Kapadokya-Nevşehir, Turkey, 4 - 06 October 2018, pp.142-146

- V. **Investigating the temperature effect on drug realese performance of hydroxyapatite-chitosan biocomposites**

ERDÖL AYDIN N., KAHRAMAN E., SAYGILI G.

5th International Conference on Materials Science and Nanotechnology for Next Generation (MSNG-2018), Kapadokya-Nevşehir, Turkey, 4 - 06 October 2018, pp.137-141

- VI. **Research on Drug Release Performance of Hydroxyapatite-Gelatin Composites Produced in SBF Medium**

Kahraman E., Başargan T., Hacıoğlu S., Erdöl Aydın N., Saygılı G.

IPC, 5th International Polymeric Composites Symposium and Workshops, İzmir, Turkey, 2 - 04 November 2017, pp.159-160

## Metrics

Publication: 14

Citation (Scopus): 5

H-Index (Scopus): 2

## Congress and Symposium Activities

V. Uluslararası Polimerik Kompozitler Sempozyumu ve Çalıştayları, Attendee, İzmir, Turkey, 2017