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Education Information

Postgraduate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Turkey 2019 - Continues

Undergraduate, Istanbul University, Mühendislik Fakültesi, Kimya Bölümü, Turkey 2012 - 2018

Academic Titles / Tasks

Research Assistant, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2019 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A sensitive and smartphone colorimetric assay for the detection of hydrogen peroxide based on antibacterial and antifungal matcha extract silver nanoparticles enriched with polyphenol**
TAN E., KAHYAOĞLU İ. M., KARAKUŞ S.
POLYMER BULLETIN, vol.79, no.9, pp.7363-7389, 2022 (SCI-Expanded)
- II. **Characterization, optimization, and evaluation of preservative efficacy of carboxymethyl cellulose/hydromagnesite stromatolite bio-nanocomposite**
KARAKUŞ S., İNSEL M. A., KAHYAOĞLU İ. M., Albayrak İ., ÜSTÜN ALKAN F.
Cellulose, vol.29, no.7, pp.3871-3887, 2022 (SCI-Expanded)
- III. **Preparation and characterization of carboxymethyl cellulose/poly (ethylene glycol) -rosin pentaerythritolester polymeric nanoparticles: Role of intrinsic viscosity and surface morphology**
KARAKUŞ S., İLGAR M., TAN E., KAHYAOĞLU İ. M., TAŞALTIN N., ALBAYRAK F. İ., İNSEL M. A., Kilislioglu A.
SURFACES AND INTERFACES, vol.21, 2020 (SCI-Expanded)
- IV. **Influence of ultrasound irradiation on the intrinsic viscosity of guar gum-PEG/rosin glycerol ester nanoparticles**
KARAKUŞ S., İLGAR M., Kahyaoglu İ. M., Kilislioglu A.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.141, pp.1118-1127, 2019 (SCI-Expanded)

Books & Book Chapters

- I. **One-Dimensional Polymeric Nanocomposites-based Microcontainers for Biomedical Applications**
Karakuş S., Özeroğlu C., Kahyaoglu İ. M., Tan E., İlgar M., Orhan Z., Albayrak N.
in: One Dimensional Polymeric Nanocomposites: Synthesis to Emerging Applications, Ram K. Gupta, Tuan Anh Nguyen, Editor, CRC, New York, New York, pp.417-432, 2023
- II. **Nanostructured Biomaterials in Drug Delivery**

KAHYAOĞLU İ. M., AYTAR E. C., Durmaz A., KARAKUŞ S.

in: Engineered Biomaterials, Rishhabha Malviya, Sonali Sundram, Editor, Springer Singapore, pp.233-259, 2023

Refereed Congress / Symposium Publications in Proceedings

- I. **Humic and fulvic acids analysis by modified alkaline extraction method**
UYANIK A., KAHYAOĞLU İ. M.
CUKUROVA 8th INTERNATIONAL SCIENTIFIC RESEARCHES CONFERENCE, Adana, Turkey, 15 - 17 April 2022
- II. **Correlation between total organic carbon and humic and-or fulvic acid contents of different dam sediments**
UYANIK A., KAHYAOĞLU İ. M.
CUKUROVA 8th INTERNATIONAL SCIENTIFIC RESEARCHES CONFERENCE, Adana, Turkey, 15 - 17 April 2022
- III. **RESPONSIVE AND SUSTAINABLE ACACIA SENEGAL/IRON-SILICA BIO-NANOCOMPOSITE FOR ELECTROCHEMICAL NON-ENZYMATIC DETECTION OF GLUCOSE**
TAŞALTIN N., TAŞALTIN C., KARAKUŞ S., KAHYAOĞLU İ. M., KİLİSLİOĞLU A.
3rd International Conference on Physical Chemistry Functional Materials PCFM2020, Turkey, 22 September 2020

Supported Projects

Kahyaoğlu İ. M., Project Supported by Higher Education Institutions, Baraj Sedimentlerinin Kimyasal Analizi, 2020 - 2021