

Lect. PhD Yonca Alkan Göksu

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: B-9919-2019

ScopusID: 57202221489

Yoksis Researcher ID: 198343

Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Turkey 2016 - 2019

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Kimya Bölümü, Turkey 2014 - 2016

Undergraduate, Middle East Technical University, Fen Edebiyat Fakültesi, Kimya Bölümü, Turkey 2007 - 2013

Foreign Languages

French, A2 Elementary

English, C1 Advanced

Dissertations

Doctorate, Karmaşık makromoleküllerin sentezinde sentetik yöntemler, Istanbul Technical University, Fen-Edebiyat, Kimya, 2019

Postgraduate, OXIDATIVE CROSS-DEHYDROGENATIVE COUPLING OF TERMINAL ALKYNES WITH THIOLS USING Cu(I) INCORPORATED SCHIFF BASE NETWORK POLYMER AS CATALYST, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Bölümü, 2016

Research Areas

Basic Sciences, Chemistry, Organic Chemistry, Chemistry of Macromolecules

Academic Titles / Tasks

Lecturer PhD, Istanbul Technical University, Kimya-Metalurji, Metalurji Ve Malzeme Mühendisliği, 2019 - Continues

Research Assistant, Istanbul Technical University, Fen-Edebiyat, Kimya, 2014 - 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Exploring the potential of Meldrum's acid-bearing chain extenders for mechanical recycling of PET**
Goksu Y.
Pure and Applied Chemistry, 2024 (SCI-Expanded)
- II. **Enhancing the Sustainability of Poly(lactic acid) (PLA) through Ketene-Based Chain Extension**
Alkan Göksu Y.
JOURNAL OF POLYMERS AND THE ENVIRONMENT, vol.2023, no.12, pp.1-10, 2023 (SCI-Expanded)
- III. **Poly(glycidyl methacrylate) modified cellulose nanocrystals and their PBAT-based nanocomposites**
Alkan Göksu Y., Nofar M.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.253, pp.126851-126862, 2023 (SCI-Expanded)
- IV. **Thermal Stabilization of Recycled PET Through Chain Extension and Blending with PBT**
Guclu M., Alkan Göksu Y., Özdemir B., Ghanbari A., Nofar M.
JOURNAL OF POLYMERS AND THE ENVIRONMENT, vol.2022, pp.1, 2022 (SCI-Expanded)
- V. **Composition design of PLA/TPU emulsion blends compatibilized with multifunctional epoxy-based chain extender to tackle high impact resistant ductile structures**
Kahraman Y., Alkan Göksu Y., Özdemir B., GÜMÜŞ B., Nofar M.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.139, no.12, 2022 (SCI-Expanded)
- VI. **Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) (PHBH): Synthesis properties, and applications- A review ,**
Eraslan K., Aversa C., Nofar M., Barletta M., Gisario A., Salehiyan R., Alkan Göksu Y.
EUROPEAN POLYMER JOURNAL, vol.167, 2022 (SCI-Expanded)
- VII. **Thermal and Environmentally Induced Degradation Behaviors of Amorphous and Semicrystalline PLAs Through Rheological Analysis**
Atalay S. E., Bezci B., Özdemir B., Alkan Göksu Y., Ghanbari A., Jalali A., Nofar M.
JOURNAL OF POLYMERS AND THE ENVIRONMENT, vol.29, no.10, pp.3412-3426, 2021 (SCI-Expanded)
- VIII. **Super toughened and highly ductile PLA/TPU blend systems by in situ reactive interfacial compatibilization using multifunctional epoxy-based chain extender**
Kahraman Y., Özdemir B., Kilic V., Alkan Göksu Y., Nofar M.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.138, no.20, 2021 (SCI-Expanded)
- IX. **Modular photoinduced grafting onto approach by ketene chemistry**
Goksu Y. A., Kumbaraci V., Yagci Y.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.57, pp.274-280, 2019 (SCI-Expanded)
- X. **A versatile approach for the preparation of end-functional polymers and block copolymers by stable radical exchange reactions**
Alkan Goksu Y., Yilmaz G., Yağcı Y.
Journal of Polymer Science, Part A: Polymer Chemistry, 2019 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **The degradation behaviors of an amorphous and a semicrystalline PLAs with similar molecular weights under different temperature and environmental conditions**
Alkan Göksu Y., Özdemir B., Nofar M.
International Joint Science Congress of Materials and Polymers , Burdur, Turkey, 29 September - 01 October 2021, pp.55
- II. **A Versatile Approach for the Preparation of End-functional Polymers and Block Copolymers by Stable Radical Exchange Reactions**
Alkan Göksu Y., Yılmaz A. G., Yağcı Y.
16th Biennial Bayreuth Polymer Symposium, Nuremberg, Germany, 22 September - 24 December 2019, pp.25
- III. **Modular Photoinduced Grafting Onto Approach by Ketene Chemistry**
Alkan Göksu Y., Kumbaracı İ. V., Yağcı Y.

IUPAC 47th World Chemistry Congress 2019, Paris, France, 5 - 12 July 2019, pp.2936

IV. MODULAR PHOTOINDUCED GRAFTING ONTO APPROACH BYBENZODIOXINONE PHOTOCHEMISTRY
ALKAN Y., KUMBARACI İ. V., YAĞCI Y.

IUPAC 46th World Chemistry Congress, Paris, France, 5 - 12 July 2019

V. Benzodioxinone photochemistry. A versatile root to macromolecular synthesis

Aydođan C., ALKAN Y., ÇİFTÇİ M., Yılmaz G., TAŞDELEN M. A., KUMBARACI İ. V., TALINLI E. N., YAĞCI Y.

APME 2017Advanced Polymers via Macromolecular Engineering, 21 - 25 May 2017

VI. Oxidative Cross-Dehydrogenative Coupling of Terminal Alkynes with Thiols Using Cu(I) Incorporated Schiff Base Network Polymer as Catalyst

Alkan Y., Kışkan B., TASKIN O. S., Yağcı Y.

46th IUPAC World Polymer Congress (MACRO 2016), İstanbul, Turkey, 17 - 21 July 2016, pp.1

VII. Oxidative Cross Dehydrogenative Coupling of Terminal Alkynes with Thiols Using Cu I Incorporated Schiff Base Network Polymer as Catalyst

Alkan Y., Taşkın Ö. S., Kışkan B., Yağcı Y.

46. IUPAC World Polymer Congress, İstanbul, Turkey, 17 - 21 July 2016

Supported Projects

Alkan Göksu Y., Project Supported by Higher Education Institutions, PET Geri Dönüşümünde Kullanılmak Üzere Zincir Uzattıcı Ajanların Geliştirilmesi, 2023 - Continues

Nofar M., Alkan Göksu Y., Project Supported by Higher Education Institutions, Yüzeyi kimyasal olarak modifiye edilmiş selüloz nanokristal CNC yapıları kullanılarak PLA PBAT ve PLAPBAT nanokompozitlerinin geliştirilmesi, 2022 - Continues

Alkan Göksu Y., Nofar M., Özdemir B., Arslan O. N., BEKEM A., Güntürkün D., Project Supported by Higher Education Institutions, Selüloz Nano Kristal CNC yapılarının biyouyumlu PLA, PBAT ve PBSA matris polimerlerinde dağılımını iyileştirmek amacıyla kimyasal yüzey modifikasyonu yöntemlerinin geliştirilmesi, 2021 - 2023

Yağcı Y., Alkan Göksu Y., Project Supported by Higher Education Institutions, Radikal Değişim Reaksiyonları ile Telekelik ve Blok Kopolimerlerin Sentezi, 2019 - 2019

Yağcı Y., Aydođan C., Kocaarslan A., Alkan Göksu Y., Nakipođlu B., Aykaç F. Ş., Project Supported by Higher Education Institutions, Polimer Sentezinde Çoklu Polimerizasyon Yöntemleri, 2018 - 2019

Metrics

Publication: 17

Citation (WoS): 26

Citation (Scopus): 87

H-Index (WoS): 3

H-Index (Scopus): 5

Congress and Symposium Activities

EPF European Polymer Congress (EPF 2022), Attendee, Praha, Czech Republic, 2022

EPF European Polymer Congress (EPF 2022), Attendee, Praha, Czech Republic, 2022

International Graduate Research Symposium (IGRS'22), Attendee, İstanbul, Turkey, 2022

V. International Joint Science Congress of Materials and Polymers (ISCMP V), Attendee, Burdur, Turkey, 2021

Bayreuth Polymer Congress (BPS'19), Attendee, Nuremberg, Germany, 2019

47th IUPAC World Chemistry Congress, Attendee, Paris, France, 2019

Uluslararası Katılımlı VII. Polimer Bilim ve Teknoloji Kongresi, Attendee, Eskişehir, Turkey, 2018

APME 2017 Advanced Polymers via Macromolecular Engineering, Attendee, Ghent, Belgium, 2017

MACRO2016 World Polymer Congress, Attendee, İstanbul, Turkey, 2016

Scholarships

Fulbright Postdoctoral Program, Fulbright Program, 2022 - Continues

Non Academic Experience

Business Establishment Private, Tmc Özsoy Kozmetik