

Res. Asst. BEGÜM CANAN YILDIZ ARAS

Personal Information

Email: begum.yildiz@kocaeli.edu.tr

Web: <https://avesis.kocaeli.edu.tr/begum.yildiz>

Address: begum.yildiz@kocaeli.edu.tr

Education Information

Doctorate, Kocaeli University, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey 2016 - Continues

Postgraduate, Kocaeli University, Fen Bilimleri Enstitüsü, Fen Bilimleri Enstitüsü, Turkey 2014 - 2016

Dissertations

Postgraduate, Organokalayşelat bileşiklerinin sentezi karakterizasyonu ve uygulamaları, Kocaeli University, Fen Bilimleri Enstitüsü, Fen Bilimleri Enstitüsü, 2016

Research Areas

Chemistry, Inorganic Chemistry, Transition Metals, Catalysis, Organometallic Chemistry, Novel Ligands, Natural Sciences

Academic Titles / Tasks

Research Assistant, Kocaeli University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2014 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Adsorption of murexide dye from aqueous solution using a novel Schiff base tin(IV) compound**
Bozbaş S., Yıldız Aras B. C., Karabulut M., Kayan A.
Desalination and Water Treatment, vol.261, pp.256-265, 2022 (SCI-Expanded)
- II. **Non-Toxic and Environmentally Friendly Titanium Complexes and Their Effects on epsilon-Caprolactone Polymerization**
Yıldız Aras B. C., Kayan A.
CATALYSIS SURVEYS FROM ASIA, vol.24, no.4, pp.313-324, 2020 (SCI-Expanded)
- III. **Preparation of single-site tin(IV) compounds and their use in the polymerization of epsilon-caprolactone**
Yıldız B. C., KAYAN A.
DESIGNED MONOMERS AND POLYMERS, vol.20, pp.89-96, 2017 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Zirkonyum Propoksit ve Zirkonyum Bütoksit'in Sübstitüe Salisilik Asit ile Tepkimesi ve Katalizör**

Etkisi

Uzun G., Yildiz B. C., Kayan A.

32. Ulusal Kimya Kongresi, Eskişehir, Turkey, 17 - 19 September 2020

- II. **Synthesis and characterization of newly synthesized schiff base ligand and study adsorption of Murexide dye**
KARAYÜNLÜ BOZBAŞ S., YILDIZ B. C., karabulut m., KAYAN A.
4th ITWCCST, 7 - 10 September 2018
- III. **Synthesis and characterization of newly synthesized schiff base ligand and study adsorption of Murexide dye**
KARAYÜNLÜ BOZBAŞ S., YILDIZ B. C., Karabulut M., KAYAN A.
4th ITWCCST, 7 - 10 September 2018
- IV. **SYNTHESIS OF TIN(IV) A-BENZOIN OXIME COMPOUNDS AND THEIR CATALYTIC ACTIVITY OVER POLYMERIZATION OF ϵ -CAPROLACTONE**
YILDIZ B. C., KAYAN A.
Ancon 2017 INTERNATIONAL CONGRESS ON CHEMISTRY AND MATERIALS SCIENCE 5-7 October, 2017/Ankara-TURKEY, 5 - 07 November 2017
- V. **Synthesis of Tin(IV) α -Benzoin Oxime Compounds and Their Catalytic Activity over Polymerization of ϵ -Caprolactone**
YILDIZ B. C., KAYAN A.
Int Congress on Chem and Mater Sci., ANCON 2017, 5 - 07 October 2017
- VI. **SYNTHESIS OF NEW MATERIALS OF TIN(IV) COMPOUNDS and THEIR CATALYTIC ACTIVITY OVER POLYMERIZATION OF ϵ -CAPROLACTONE**
YILDIZ B. C., KAYAN A.
16TH EPF EUROPEAN POLYMER CONGRESS, 2 - 07 July 2017
- VII. **SYNTHESIS OF NEW MATERIALS OF TIN(IV) COMPOUNDS and THEIR CATALYTIC ACTIVITY OVER POLYMERIZATION OF ϵ -CAPROLACTONE**
YILDIZ B. C., KAYAN A.
epflyon 2017 16th EPF EUROPEAN POLYMER CONGRESS July2nd-7th, 2017 Lyon-FRANCE, 2 - 07 July 2017
- VIII. **New and Effective Material for Removal of Murexide Dye from Aqueous Solution**
YILDIZ B. C., Karabulut M., KARAYÜNLÜ BOZBAŞ S., KAYAN A.
10th Aegean Analytical Chemistry Days, 29 September - 02 October 2016
- IX. **New and effective tin catalyst and its catalytic activity over polymerization of caprolactone**
YILDIZ B. C., KAYAN A.
28. Ulusal Kimya Kongresi, Mersin, Turkey, 15 - 21 August 2016
- X. **Synthesis of new and effective catalysts of Sn and their catalytic activity over polymerization of caprolactone**
YILDIZ B. C., KAYAN A.
OMCOS18 , Organometallic Chemistry Directed Towards Organic Synthesis Barcelona, 28 June - 02 July 2015
- XI. **Sn SİMPH ve Sn SAMPH Bileşiklerinin Sentezlenmesi ve Katalitik Etkisinin İncelenmesi**
YILDIZ B. C., KAYAN A.
V. Ulusal Anorganik Kimya Kongresi, Turkey, 22 - 25 April 2015

Supported Projects

KAYAN A., KADİROĞLU Ü., BİNGÖL D., YILDIZ ARAS B. C., GÜNER S., Project Supported by Higher Education Institutions, 2019- ANORGANİK KİMYA ARAŞTIRMA LABORATUVARI, 2019 - 2020

AY Ü., YILDIZ ARAS B. C., ŞARLI S. E., Project Supported by Higher Education Institutions, POLİAROMATİK HİDROKARBON (PAH) BİLEŞİKLERİN METİL-BETA-SİKLODEKSTRİN İLE HOST-QUEST İNCLUSION KOMPLEKS OLUŞUMLARI VE OLUŞAN KOMPLEKSLERE AĞIR METAL ETKİSİNİN FLORESANS TEKNİĞİYLE İNCELENMESİ, 2017 - 2019

KAYAN A., YILDIZ ARAS B. C., Project Supported by Higher Education Institutions, KALAY, BOR VE TİTANYUM İMİN/AMİN BİLEŞİKLERİNİN SENTEZİ VE ANTİ BAKTERİYEL ETKİSİNİN ARAŞTIRILMASI, 2017 - 2018

Yıldız Aras B. C., Kayan A., Project Supported by Higher Education Institutions, KALAY, BOR VE TİTANYUM İMİN/AMİN BİLEŞİKLERİNİN SENTEZİ VE ANTİ BAKTERİYEL ETKİSİNİN ARAŞTIRILMASI, 2017 - 2018

Yıldız Aras B. C., Kayan A., Project Supported by Higher Education Institutions, ORGANOKALAY BİLEŞİKLERİNİN HAZIRLANMASI VE KATALİZÖR OLARAK KULLANILMASI, 2016 - 2017

Metrics

Publication: 15

Citation (WoS): 32

Citation (Scopus): 32

H-Index (WoS): 3

H-Index (Scopus): 3