

1-1-2020

Cover and Contents

Follow this and additional works at: <https://journals.tubitak.gov.tr/chem>

Recommended Citation

(2020) "Cover and Contents," *Turkish Journal of Chemistry*. Vol. 44: No. 1, Article 20. Available at: <https://journals.tubitak.gov.tr/chem/vol44/iss1/20>

This Cover and Contents is brought to you for free and open access by TÜBİTAK Academic Journals. It has been accepted for inclusion in Turkish Journal of Chemistry by an authorized editor of TÜBİTAK Academic Journals. For more information, please contact academic.publications@tubitak.gov.tr.

VOLUME | ISSUE | YEAR
44 | 1 | 2020
ISSN 1300-0527 • E-ISSN 1303-6130

TURKISH JOURNAL OF
CHEMISTRY

<http://journals.tubitak.gov.tr/chem/>



Published by the Scientific and
Technological Research Council of Turkey

TÜBİTAK

SCOPE

- The Turkish Journal of Chemistry is a bimonthly multidisciplinary journal published by the Scientific and Technological Research Council of Turkey (TÜBİTAK).
- The journal is dedicated to dissemination of knowledge in all disciplines of chemistry (organic, inorganic, physical, polymeric, technical, theoretical and analytical chemistry) as well as research at the interface with other sciences especially in chemical engineering where molecular aspects are key to the findings.
- The journal accepts English-language original manuscripts and contribution is open to researchers of all nationalities.
- The journal publishes refereed original papers, reviews, letters to editor and issues devoted to special fields.
- All manuscripts are peer-reviewed and electronic processing ensures accurate reproduction of text and data, plus publication times as short as possible.

EDITORIAL BOARD

- Adem KILIÇ, Gebze Technical University, Turkey
- Adem TEKİN, Istanbul Technical University, Turkey
- Ali Hakan GÖKER, Ankara University, Turkey
- Ali Rehber TÜRKER, Gazi University, Turkey
- Ali Rıza ÖZKAYA, Marmara University, Turkey
- Alireza KHATAEE, University of Tabriz, Iran
- Amitav SANYAL, Boğaziçi University, Turkey
- Andrea GOTI, University of Florence, Italy
- Arif DAŞTAN, Atatürk University, Turkey
- Atif KOCA, Marmara University, Turkey
- Azmi TELEFONCU, Ege University, Turkey
- Bagher EFTEKHARI-SIS, Maragheh University, Iran
- Bekir ÇETİNKAYA, Ege University, Turkey
- Belkis BİLGİN ERAN, Yıldız Technical University, Turkey
- Cihangir TANYELİ, Middle East Technical University, Turkey
- Emrah ÖZENSOY, Bilkent University, Turkey
- Emür HENDEN, Ege University, Turkey
- Gülaçtı TOPCU, Bezmialem Vakıf University, Turkey
- Hasan SEÇEN, Atatürk University, Turkey
- Hüseyin DELİGÖZ, Istanbul University, Turkey
- Irishi N. N. NAMBOOTHIRI, Indian Institute of Technology, India
- İhsan ÇALIŞ, Near East University, Turkey
- İhsan ERDEN, San Francisco State University, U.S.A.
- İlknur TUNÇ, University of Turkish Aeronautical Association, Turkey
- İsmail ÖZDEMİR, İnönü University, Turkey
- Kadriye Arzum ERDEM GÜRSAN, Ege University, Turkey
- Karel SMEJKAL, Univ. of Vet. and Pharmaceutical Sci. Brno, Czech Republic
- Levent ARTOK, Izmir Institute of Technology, Turkey
- Levent Kamil TOPPARE, Middle East Technical University, Turkey
- Mahammad BABANLY, Baku State University, Azerbaijan
- Marianna TÖRÖK, University of Massachusetts Boston, U.S.A.
- Mehmet ZAHMAKIRAN, Yüzüncü Yıl University, Turkey
- Metin BALCI, Middle East Technical University, Turkey
- Metin ZORA, Middle East Technical University, Turkey
- Mingwei CHEN, Tohoku University, Japan
- Mustafa ERSÖZ, Selçuk University, Turkey
- Mustafa SOYLAK, Erciyes University, Turkey
- Mustafa YILMAZ, Selçuk University, Turkey
- Mustafa Zafer ÖZEL, The University of York, United Kingdom
- Nadège LUBIN-GERMAIN, University of Cergy-Pontoise, France
- Nurettin YAYLI, Karadeniz Technical University, Turkey
- O. Yavuz ATAMAN, Middle East Technical University, Turkey
- Oğuz OKAY, Istanbul Technical University, Turkey
- Olgun GÜVEN, Hacettepe University, Turkey
- Ö. İrfan KÜFREVİOĞLU, Atatürk University, Turkey
- Ömer ZAIM, Trakya University, Turkey
- Önder METİN, Ataturk University, Turkey
- Ponnadurai RAMASAMI, University of Mauritius, Mauritius
- Qiang XU, National Inst. of Advanced Indust. Sci. and Technology, Japan
- Reşat APAK, Istanbul University, Turkey
- Salih ÖZÇUBUKÇU, Middle East Technical University, Turkey
- Serdar DURDAĞI, Bahçeşehir University, Turkey
- Sıddık İÇLİ, Ege University, Turkey
- Sibel Ayrıllı ÖZKAN, Ankara University, Turkey
- Siméon ARSENIYADIS, Inst. for the Chem. of Natural Substances, France
- Şefik SÜZER, Bilkent University, Turkey
- Şeref DEMİRAYAK, Medipol University, Turkey
- Şeref GÜÇER, Uludağ University, Turkey
- Şule Erten ELA, Ege University, Turkey
- Thomas MAVROMOUSTAKOS, University of Athens, Greece
- Turan ÖZTÜRK, Istanbul Technical University, Turkey
- Ufuk ÖZGEN, Karadeniz Technical University, Turkey
- Uğur BOZKAYA, Hacettepe University, Turkey
- Vefa AHSEN, Gebze Institute of Technology, Turkey
- Viktorya AVIYENTE, Boğaziçi University, Turkey
- Vural BÜTÜN, Eskişehir Osmangazi University, Turkey
- Yıldırım ERBİL, Gebze Technical University, Turkey
- Yusuke YAMUCHI, National Institute for Materials Science, Japan
- Zehra ALTUNTAŞ BAYIR, Istanbul Technical University, Turkey

ABSTRACTED

- Science Citation Index Expanded
- Scopus
- Academic Search Complete
- Chemical Abstracts

CONTENTS

Pyrene-BODIPY-substituted novel water-soluble cyclotriphosphazenes: synthesis, characterization, and photophysical properties	1
Seda ÇETİNDERE, Serkan YEŞİLOT, Adem KILIÇ	
Synthesis and spectroscopic properties of (N/O) mono- and dispirocyclotriphosphazene derivatives with benzyl pendant arms: study of biological activity	15
Özlem İŞCAN, Reşit CEMALOĞLU, Nuran ASMAFİLİZ, Zeynel KILIÇ Leyla AÇIK, Pelin ÖZBEDEN, Tuncer HÖKELEK	
Synthesis of new cyclotriphosphazene derivatives bearing Schiff bases and their thermal and absorbance properties	31
Semih DOĞAN, Süreyya Oğuz TŪMAY, Ceylan MUTLU BALCI, Serkan YEŞİLOT, Serap BEŞLİ	
Synthesis, optical, and structural properties of bisphenol-bridged aromatic cyclic phosphazenes	48
Bünyemin ÇOŞUT, Burcu TOPALOĞLU AKSOY, Süreyya Oğuz TŪMAY, Ahmet ŞENOCAK, Serkan YEŞİLOT	
Chemosensor properties of 7-hydroxycoumarin substituted cyclotriphosphazenes	64
Gönül YENİLMEZ ÇİFTÇİ, Sergen YILMAZ, Nagihan BAYIK, Elif ŞENKUYTU, Esra Nur KAYA, Mahmut DURMUŞ, Mustafa BULUT	
Novel BODIPY-bridged cyclotriphosphazenes	74
Hande ESERCİ, Ezel ÖZTŪRK, Elif OKUTAN	
Nucleophilic substitution reactions of monofunctional nucleophilic reagents with cyclotriphosphazenes containing 2,2-dioxybiphenyl units	87
Esra TANRIVERDİ EÇİK, Hanife İBİŞOĞLU, Gönül YENİLMEZ ÇİFTÇİ, Gizem DEMİR, Eda ERDEMİR, Fatma YŪKSEL	
Highly sensitive fluorometric method based on nitrogen-doped carbon dot clusters for tartrazine determination in cookies samples	99
Abidin GŪMRŪKÇŪOĞLU, Aysel BAŞOĞLU, Sevgi KOLAYLI, Saliha DİNÇ, Meryem KARA, Miraç OCAK, Ūmmühan OCAK	
One-pot synthesis of VO _x /Al ₂ O ₃ as efficient catalysts for propane dehydrogenation	112
Guangjian WANG, Hao XU, Kai LU, Zhihao DING, Liancheng BING	
Highly improved electrocatalytic oxidation of dimethylamine borane on silver nanoparticles modified polymer composite electrode	125
Çağrı Ceylan KOÇAK, Süleyman KOÇAK, Şükriye KARABİBEROĞLU, Zekerya DURSUN	
Entrapment of organic fluorophores in calcium phosphate nanoparticles with slow release	142
Laila SADALLAH, Aicha BOUKHRISS, Hassan HANNACHE, Said GMOUH	
SO ₂ sorption properties of fly ash zeolites	155
Natalia CZUMA, Wojciech FRANUS, PawełBARAN, Agnieszka ŐWIK, Katarzyna ZAREBSKA	
Ranolazine-functionalized CuO NPs: efficient homogeneous and heterogeneous catalysts for reduction of 4-nitrophenol	168
Gul Naz LAGHARI BALOCH, Sarfaraz Ahmed MAHESAR, Sirajuddin, Jan NISAR, Syed Tufail Hussain SHERAZI	

Blue dye degradation in an aqueous medium by a combined photocatalytic and bacterial biodegradation process	180
Gabriela PÉREZ-OSORIO, Flor del Rocío HERNÁNDEZ-GÓMEZ, Janette ARRIOLA-MORALES, Maribel CASTILLO-MORALES, José Carlos MENDOZA-HERNÁNDEZ	
Synthesis, cytotoxic assessment, and molecular docking studies of 2,6-diaryl-substituted pyridine and 3,4-dihydropyrimidine-2(1H)-one scaffolds	194
Zahra HOSSEINZADEH, Nima RAZZAGHI-ASL, Ali RAMAZANI, Hamideh AGHAHOSSEINI, Ali RAMAZANI	
Effect of surfactant types on particle size and morphology of flame-retardant zinc borate powder ..	214
Yeliz İPEK	
Development of thermoplastic polyurethane/polyaniline-doped membranes for the separation of glycine through electrodialysis	224
Khurram, Asif ALI QAISER, Rashid SALEEM, Naveed SHAHZAD ALI, Shahbaz NAZIR, Tousif HUSSAIN, Abdul GHAFFAR	
Synthesis, spectroscopic studies, and antioxidant activities of novel thio/carbohydrazones and bis-isatin derivatives from terephthalaldehyde	237
Halit MUĞLU, Hasan YAKAN, Temel Kan BAKIR	
Choline derivatives immobilized on silica to catalyze transesterification reaction for production of glycerophosphocholine	249
Longhui WEI, Binglin LI, Xiaoli ZHANG, Kai TANG, Wenwen ZHENG, Dan CHEN, Binxia ZHAO	