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### Kişisel Bilgiler

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Publons / Web Of Science ResearcherID: A-9614-2010

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Yoksis Araştırmacı ID: 3844

### Eğitim Bilgileri

Doktora, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Kimya/ Organik Kimya, Türkiye 1990 - 1995

Yüksek Lisans, Atatürk Üniversitesi, Fen Bilimleri, Kimya/ Organik Kimya, Türkiye 1988 - 1990

Lisans, Atatürk Üniversitesi, Fen Fak, Kimya, Türkiye 1984 - 1988

### Yabancı Diller

İngilizce, B2 Orta Üstü

### Araştırma Alanları

Kimya, Organik Kimya, Hidrokarbon Kimyası, Temel Bilimler

### Verdiği Dersler

ORGANİK SENTEZ TASARIMI, Doktora, 2022 - 2023

Kimya, Lisans, 2022 - 2023

Uzmanlık alan Dersi II, Doktora, 2020 - 2021

Genel Kimya Laboratuvarı II, Lisans, 2020 - 2021

Organik Kimya II, Lisans, 2020 - 2021

Organik Kimya I, Lisans, 2020 - 2021

Uzmanlık Alan Dersi I, Doktora, 2020 - 2021

Genel Kimya Labaratuvarı , Lisans, 2020 - 2021

Bilimsel Bilgiye Erişim Bilgiyi sunma, Doktora, 2015 - 2016

### Yönetilen Tezler

DAŞTAN A., İndolün Brominasyonu ve Yeni Triazatruksenlerin Sentezi, Doktora, E.Karaoğlu(Öğrenci), 2017

## Jüri Üyelikleri

Akademik Kadroya Atama-Profesörlük, Akademik Kadroya Atama-Profesörlük, Sultan Qaboos University, Şubat, 2023

### SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Selectfluor and TBAX (Cl, Br) Mediated Oxidative Chlorination and Bromination of Olefins**  
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- II. **Highly efficient hydrogenation and dehydrogenation of N-Heteroarenes catalyzed by mesoporous graphitic carbon nitride supported CoPd alloy nanoparticles**  
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- III. **Transition-Metal-Free Synthesis of 4-Alkynylquinazolines**  
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- V. **Theoretical Studies on the Mechanism of the Formation of Cyclopentadienes and Dihydropyridazines**  
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- VI. **Dibenzosuberenone-Based Photo- and Thermochromic Switches, a Transformation: Rearrangement of Dibenzosuberenones to Spiro Anthrones**  
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- VII. **Design, synthesis, characterization, and anticancer activity of a novel series of O-substituted chalcone derivatives**  
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- X. **Transition Metal-Free Heteroarylation of Quinoxaline: Construction of Heteroaryl-Fused Phenazines by Oxidative Coupling**  
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- XI. **One-pot homo- and cross-coupling of diazanaphthalenes via C-H substitution: Synthesis of Bis- and Tris-diazanaphthalenes**  
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- XII. **Design, synthesis, and characterization of a new class of efficient dihydropyridazine-dibenzosuberenone derived fluorescent dyes and investigation of their some photophysical properties**  
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- XIII. **Monodisperse CuPt alloy nanoparticles assembled on reduced graphene oxide as catalysts in the transfer hydrogenation of various functional organic groups**  
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- XIV. **1,2-Dibromotetrachloroethane: an efficient reagent for many transformations by modified Appel reaction**  
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- XV. **Aromatic stacking of a perylenetetra-carboxylic tetraester: Self-assembly in both water and chloroform**  
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- XVI. **Synthesis of Pyridazine and Pyrrole Analogues of 2-Aminotetralin as Potential Dopaminergics**  
Koçak R., DAŞTAN A., SARAÇOĞLU N.  
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- XVIII. **The Dibenzosuberone Scaffold as a Privileged Substructure: From Synthesis to Application**  
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- XIX. **Highly diastereoselective synthesis of a novel functionalized triepoxytrinaphthylene**  
Erdogan M., EŞSİZ S., Fabris F., DAŞTAN A.  
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- XX. **Synthesis of an F-BODIPY [2]catenane using the chemistry of bis(dipyrinato) metal complexes**  
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- XXI. **Access to polysubstituted naphthalenes and anthracenes via a retro-Diels-Alder reaction**  
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- XXII. **Dihydropyridazine-appended dibenzosuberones as a new class of fluorophores: Application to fluoride sensing**  
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- XXIII. **Bromination of quinoxaline and derivatives: Effective synthesis of some new brominated quinoxalines**  
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- XXIV. **Unexpected regioselectivity observed in the bromination and epoxidation reactions of p-benzoquinone-fused norbornadiene: An experimental and computational study**  
Essiz S., DALKILIC E., Sari O., DAŞTAN A., Balci M.  
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- XXV. **Hemisynthesis and Spectroscopic Characterization of Three New Chalcone Derivatives from Dorstenia barteri**  
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- XXVI. **Novel eugenol derivatives: Potent acetylcholinesterase and carbonic anhydrase inhibitors**  
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- XXVII. **Synthesis of Some Novel Norbornene-Fused Pyridazines as Potent Inhibitors of Carbonic Anhydrase**

**and Acetylcholinesterase**

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- XXVIII. **Heterogeneous Catalytic Reductive Amination of Carbonyl Compounds with Ni-Al Alloy in Water as Solvent and Hydrogen Source**  
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- XXIX. **Effective bromo and chloro peroxidation catalysed by tungsten(VI) amino triphenolate complexes**  
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- XXX. **Graphene-supported NiPd alloy nanoparticles: A novel and highly efficient heterogeneous catalyst system for the reductive amination of aldehydes**  
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- XXXI. **Synthesis of a Novel Benzocyclootrimer with One Rigid and One Flexible Electron-Rich Cavity**  
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- XXXII. **Synthesis of cyclopentadiene derivatives by retro-Diels-Alder reaction of norbornadiene derivatives**  
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- XXXIII. **Twisted Baskets**  
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- XXXIV. **Synthesis and use of "clickable" bay-region tetrasubstituted perylene tetracarboxylic tetraesters and a perytene monoimide diester as energy acceptors**  
AYDIN E., NİŞANCI B., Acar M., DAŞTAN A., BOZDEMİR Ö. A.  
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- XXXV. **Oxidation of cyanobenzocycloheptatrienes: Synthesis, photooxygenation reaction and carbonic anhydrase isoenzymes inhibition properties of some new benzotropone derivatives**  
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- XXXVI. **Trapping of Organophosphorus Chemical Nerve Agents in Water with Amino Acid Functionalized Baskets**  
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- XXXVII. **Norbornanoid Chiral Ketones by Desymmetrization of Dibromoalkenes**  
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- XXXVIII. **A Molecular Claw: A Dynamic Cavitand Host**  
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- XXXIX. **Stereoconvergent Generation of a Contrasteric syn-Bicyclopropylidene (=syn-Cyclopropylidenecyclopropane) by Stille-Like Coupling**  
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- XL. **Nucleophilic substitution of bromonorbornenes and derivatives by electron transfer reactions**  
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- XLI. **Environmentally benign synthesis of heterocyclic compounds by combined microwave-assisted heterogeneous catalytic approaches**  
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- GREEN CHEMISTRY, cilt.14, sa.1, ss.17-37, 2012 (SCI-Expanded)
- XLII. **Bromination of 2,3-dihydrobenzobarrelene and synthesis of its mono- and dibromide derivatives: unexpected Wagner-Meerwein rearrangement on silica gel**  
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TURKISH JOURNAL OF CHEMISTRY, cilt.35, sa.4, ss.587-598, 2011 (SCI-Expanded)
- XLIII. **Low and high temperature bromination of 2,3-dicarbomethoxy and 2,3-dicyano benzobarrelene: unexpected substituent effect on bromination**  
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- XLIV. **Synthesis and Diels-Alder cycloaddition reaction of norbornadiene and benzonorbornadiene dimers**  
NİŞANCI B., DALKILIC E., GUNEY M., DAŞTAN A.  
BEILSTEIN JOURNAL OF ORGANIC CHEMISTRY, cilt.5, 2009 (SCI-Expanded)
- XLV. **The first and efficient synthesis of some of the polyhalogenated benzobarrelenes: unusual formation of a benzosemibullvalene derivative**  
SENGUL M. E., GULTEKIN D., Essiz S., ŞAHİN E., DAŞTAN A.  
TETRAHEDRON, cilt.65, sa.25, ss.4859-4865, 2009 (SCI-Expanded)
- XLVI. **Novel and versatile protocol for the preparation of functionalized benzocyclotrimers**  
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- XLVII. **Carbonic anhydrase inhibitors. Inhibition of human erythrocyte isozymes I and II with a series of antioxidant phenols**  
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- XLVIII. **Structural Analysis of endo- and exo-Benzocyclobutenonorbornene-Dibromides by Using H-1, C-13 NMR and X-Ray Diffraction Techniques.**  
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- XLIX. **Bromination of Tetrachlorobenzobarrelene: Polyhalogenated Benzobicyclics**  
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- LI. **The effect of the double bond pyramidalization on the mode of the bromination reaction: Bromination of benzobicyclononadiene**  
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- LII. **Oxidation of some alkoxy-cycloheptatriene derivatives: unusual formation of furan and furanoids from cycloheptatrienes**  
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- LIV. **(1RS, 2RS, 3SR, 4SR, 9RS)-1,2,3,9-tetrabromo-1,2,3,4-tetrahydro-1,4-methanonaphthalene**  
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- LV. **High temperature bromination of benzobicyclo[2.2.2]octa-2,5-diene derivatives: alternative synthesis of di-, tri- and tetra-bromobenzobarrelenes**  
DASTAN A.

- JOURNAL OF CHEMICAL RESEARCH-S, sa.2, ss.104-109, 2006 (SCI-Expanded)
- LVI. **Bromination of isomeric 7,8-dibromobenzobicyclo[2.2.2]octa-2,5-dienes: neighbouring group effect on bromination**  
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- LVII. **High temperature bromination. Part 18: Bromination of benzonorbornadiene derivatives: Polybrominated benzonorbornenes and benzonorbornadienes**  
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- LVIII. **Bromination of endo- and exo-benzocyclobutenonorbornene derivatives: neighbour group effect on bromination**  
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- LIX. **Substituent effects of the cycloaddition reaction of 7-substituted 5H-benzocycloheptenes with singlet oxygen and the chemistry of the benzocycloheptene endoperoxides**  
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- LX. **(+/-)-(1SR,8RS,10RS)-9.9.10-tribromotricyclo[6.2.1.0(2,7)]undeca-2,4,6-triene**  
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- LXI. **Chemistry of the benzotropone endoperoxides and their conversion into tropolone derivatives: Unusual endoperoxide rearrangements**  
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- LXII. **(1RS,8SR,9RS,10RS,11RS,12RS)-10,11-Dibromotetracyclo[6.4.2.0(2,7).0(9,12)]tetradeca-2,4,6,13-tetraene**  
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- LXIII. **An investigation on the synthesis of new molecular architectures from the cyclotrimerisation of exo- and endo-benzotricyclo[4.2.1.0(2,5)]nonene**  
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- LXIV. **Bromination of tricyclo[7.2.1.0(2,7)]dodeca-2,4,6,10-tetraene derivatives: Electronic and neighboring group effects on bromination**  
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- LXV. **Cyclotrimerization of 'Oxabenzonorbornadiene': Synthesis of syn- and anti-5,6,11,12,17,18-hexahydro-5,18:6,11 : 12,17-triepoxytrinaphthylene**  
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- LXVI. **Cyclotrimerization of benzobarrelene: Synthesis of new isomeric barrelene architectures**  
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- LXVII. **Bromination of tricyclo[7.2.1.0(2,7)]dodeca-2,4,6,10-tetraene derivatives: Highly brominated benzobicyclic systems**  
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- LXVIII. **The di-pi-methane photorearrangement of 2,3-disubstituted benzobarrelenes and benzonorbornadiene - Substituent effects in regioselectivity**  
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- LXIX. **Bromination of 'endo-benzocyclobutanorbornene': Synthesis of 'endo-11,12-dibromobenzocyclobutanorbornene': High-temperature bromination - Part XIV**  
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- LXXI. **A new synthesis of bromobenzotropones: Oxidation of 8-bromo-5H-benzo[a]cycloheptene**  
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## **Ödüller**

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