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### Kişisel Bilgiler

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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

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- II. **Catalyst/Metal/Solvent-Free Markovnikov Hydrothiolation of Unactivated Alkenes with Dithiocarbamic Acids**  
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- III. **P-type  $\pi$ -conjugated BTPDS-8 organic molecule for broadband hybrid photodetector with organic/inorganic heterostructure**  
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- V. **Selectfluor and TBAX (Cl, Br) Mediated Oxidative Chlorination and Bromination of Olefins**  
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- VI. **Highly efficient hydrogenation and dehydrogenation of N-Heteroarenes catalyzed by mesoporous graphitic carbon nitride supported CoPd alloy nanoparticles**  
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- VII. **Transition-Metal-Free Synthesis of 4-Alkynylquinazolines**  
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- IX. **Theoretical Studies on the Mechanism of the Formation of Cyclopentadienes and Dihydropyridazines**  
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- X. **Dibenzosuberone-Based Photo- and Thermochromic Switches, a Transformation: Rearrangement of Dibenzosuberones to Spiro Anthrones**  
Kocak R., DAŞTAN A.  
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- XI. **Design, synthesis, characterization, and anticancer activity of a novel series of O-substituted chalcone derivatives**  
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- XIV. **Transition Metal-Free Heteroarylation of Quinoxaline: Construction of Heteroaryl-Fused Phenazines by Oxidative Coupling**  
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- XV. **One-pot homo- and cross-coupling of diazanaphthalenes via C-H substitution: Synthesis of Bis- and Tris-diazanaphthalenes**  
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- XVI. **Design, synthesis, and characterization of a new class of efficient dihydropyridazine-dibenzosuberone derived fluorescent dyes and investigation of their some photophysical properties**  
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- XVII. **Monodisperse CuPt alloy nanoparticles assembled on reduced graphene oxide as catalysts in the transfer hydrogenation of various functional organic groups**  
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- XVIII. **1,2-Dibromotetrachloroethane: an efficient reagent for many transformations by modified Appel reaction**  
Essiz S., DAŞTAN A.  
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- XIX. **Aromatic stacking of a perylene tetracarboxylic tetraester: Self-assembly in both water and chloroform**  
NİŞANCI B., DAŞTAN A., BOZDEMİR Ö. A.  
Tetrahedron Letters, cilt.59, sa.39, ss.3558-3562, 2018 (SCI-Expanded)
- XX. **Synthesis of Pyridazine and Pyrrole Analogues of 2-Aminotetralin as Potential Dopaminergics**  
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- XXI. **One hundred years of benzotropone chemistry**  
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- XXII. **The Dibenzosuberone Scaffold as a Privileged Substructure: From Synthesis to Application**  
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- XXIII. **Highly diastereoselective synthesis of a novel functionalized triepoxytrinaphthylene**  
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- XXIV. **Synthesis of an F-BODIPY [2]catenane using the chemistry of bis(dipyrrinato) metal complexes**  
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- XXV. **Access to polysubstituted naphthalenes and anthracenes via a retro-Diels-Alder reaction**  
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- XXVI. **Dihydropyridazine-appended dibenzosuberones as a new class of fluorophores: Application to fluoride sensing**  
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- XXVII. **Unexpected regioselectivity observed in the bromination and epoxidation reactions of p-benzoquinone-fused norbornadiene: An experimental and computational study**  
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- XXVIII. **Bromination of quinoxaline and derivatives: Effective synthesis of some new brominated quinoxalines**  
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- XXIX. **Hemisynthesis and Spectroscopic Characterization of Three New Chalcone Derivatives from *Dorstenia barteri***  
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- XXX. **Novel eugenol derivatives: Potent acetylcholinesterase and carbonic anhydrase inhibitors**  
Topal F., GÜLÇİN İ., DAŞTAN A., Guney M.  
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- XXXI. **Synthesis of Some Novel Norbornene-Fused Pyridazines as Potent Inhibitors of Carbonic Anhydrase and Acetylcholinesterase**  
KOCAK R., AKIN E. T., KALIN P., Talaz O., SARAÇOĞLU N., DAŞTAN A., GÜLÇİN İ., Durdagi S.  
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- XXXIII. **Effective bromo and chloro peroxidation catalysed by tungsten(VI) amino triphenolate complexes**  
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- XXXIV. **Graphene-supported NiPd alloy nanoparticles: A novel and highly efficient heterogeneous catalyst system for the reductive amination of aldehydes**  
NİŞANCI B., Ganjehyan K., Metin Ö., DAŞTAN A., Török B.  
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- XXXV. **Synthesis of a Novel Benzocyclootrimer with One Rigid and One Flexible Electron-Rich Cavity**  
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- XXXVI. **Synthesis of cyclopentadiene derivatives by retro-Diels-Alder reaction of norbornadiene derivatives**  
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- XXXVII. **Twisted Baskets**  
Hermann K., Pratumyot Y., Polen S., Hardin A. M., Dalkilic E., DAŞTAN A., Badjic J. D.  
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- XXXVIII. **Synthesis and use of "clickable" bay-region tetrasubstituted perylene tetracarboxylic tetraesters and a perytene monoimide diester as energy acceptors**  
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- XXXIX. **Oxidation of cyanobenzocycloheptatrienes: Synthesis, photooxygenation reaction and carbonic anhydrase isoenzymes inhibition properties of some new benzotropone derivatives**  
Guney M., Coskun A., TOPAL F., DAŞTAN A., GÜLÇİN İ., SUPURAN C. T.  
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- XL. **Trapping of Organophosphorus Chemical Nerve Agents in Water with Amino Acid Functionalized Baskets**  
Ruan Y., DALKILIC E., Peterson P. W., Pandit A., DAŞTAN A., Brown J. D., Polen S. M., Hadad C. M., Badjic J. D.  
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- XLIII. A Molecular Claw: A Dynamic Cavitand Host**  
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- XLV. Nucleophilic substitution of bromonorbornenes and derivatives by electron transfer reactions**  
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ORGANIC & BIOMOLECULAR CHEMISTRY, cilt.11, sa.6, ss.955-965, 2013 (SCI-Expanded)
- XLVI. Environmentally benign synthesis of heterocyclic compounds by combined microwave-assisted heterogeneous catalytic approaches**  
Dastan A., KULKARNI A., TOEROEK B.  
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- XLVII. Bromination of 2,3-dihydrobenzobarrelene and synthesis of its mono- and dibromide derivatives: unexpected Wagner-Meerwein rearrangement on silica gel**  
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- XLVIII. Low and high temperature bromination of 2,3-dicarbomethoxy and 2,3-dicyano benzobarrelene: unexpected substituent effect on bromination**  
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- LII. Carbonic anhydrase inhibitors. Inhibition of human erythrocyte isozymes I and II with a series of antioxidant phenols**  
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- LIV. Bromination of Tetrachlorobenzobarrelene: Polyhalogenated Benzobicyclics**  
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- LIV. Bromination of norbornene derivatives: synthesis of brominated norbornanes and norbornenes**  
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- LV. The effect of the double bond pyramidalization on the mode of the bromination reaction: Bromination of benzobicyclononadiene**

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- LVI. **Oxidation of some alkoxy-cycloheptatriene derivatives: unusual formation of furan and furanoids from cycloheptatrienes**  
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- LVIII. **(1RS, 2RS, 3SR, 4SR, 9RS)-1,2,3,9-tetrabromo-1,2,3,4-tetrahydro-1,4-methanonaphthalene**  
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- LIX. **High temperature bromination of benzobicyclo[2.2.2]octa-2,5-diene derivatives: alternative synthesis of di-, tri- and tetra-bromobenzobarrelenes**  
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- LX. **Bromination of isomeric 7,8-dibromobenzobicyclo[2.2.2]octa-2,5-dienes: neighbouring group effect on bromination**  
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- LXI. **High temperature bromination. Part 18: Bromination of benzonorbornadiene derivatives: Polybrominated benzonorbornenes and benzonorbornadienes**  
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- LXII. **Bromination of endo- and exo-benzocyclobutenonorbornene derivatives: neighbour group effect on bromination**  
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- LXIII. **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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- LXIV. **(+/-)-(1SR,8RS,10RS)-9.9.10-tribromotricyclo[6.2.1.0(2,7)]undeca-2,4,6-triene**  
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- LXV. **Chemistry of the benzotropone endoperoxides and their conversion into tropolone derivatives: Unusual endoperoxide rearrangements**  
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- LXVI. **(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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- LXVII. **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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- LXVIII. **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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- LXIX. **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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- LXX. **Cyclotrimerization of benzobarrelene: Synthesis of new isomeric barrelene architectures**  
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