

## Prof. Arif DAŞTAN

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Kimya/ Organik Kimya, Turkey 1990 - 1995

Postgraduate, Ataturk University, Fen Bilimleri, Kimya/ Organik Kimya, Turkey 1988 - 1990

Undergraduate, Ataturk University, Fen Fak, Kimya, Turkey 1984 - 1988

### Foreign Languages

English, B2 Upper Intermediate

### Research Areas

Chemistry, Organic Chemistry, Chemistry of Hydrocarbons, Natural Sciences

### Courses

ORGANİK SENTEZ TASARIMI, Doctorate, 2022 - 2023

Kimya, Undergraduate, 2022 - 2023

Uzmanlık alan Dersi II, Doctorate, 2020 - 2021

Genel Kimya Laboratuvarı II, Undergraduate, 2020 - 2021

Organic Chemistry II , Undergraduate, 2020 - 2021

Organic Chemistry I, Undergraduate, 2020 - 2021

Uzmanlık Alan Dersi I, Doctorate, 2020 - 2021

General chemistry Laboratory, Undergraduate, 2020 - 2021

Bilimsel Bilgiye Erişim Bilgiyi sunma, Doctorate, 2015 - 2016

### Advising Theses

DAŞTAN A., İndolün Brominasyonu ve Yeni Triazatruksenlerin Sentezi, Doctorate, E.Karaoğlu(Student), 2017

## Jury Memberships

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Sultan Qaboos University, February, 2023

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Selectfluor and TBAX (Cl, Br) Mediated Oxidative Chlorination and Bromination of Olefins**  
Dagalan Z., Kocak R., DAŞTAN A., NİŞANCI B.  
ORGANIC LETTERS, vol.24, pp.8261-8264, 2022 (SCI-Expanded)
- II. **Highly efficient hydrogenation and dehydrogenation of N-Heteroarenes catalyzed by mesoporous graphitic carbon nitride supported CoPd alloy nanoparticles**  
Dağalan Z., Can H., Daştan A., Nişancı B., Metin Ö.  
TETRAHEDRON, vol.114, 2022 (SCI-Expanded)
- III. **Transition-Metal-Free Synthesis of 4-Alkynylquinazolines**  
UÇAR S., DAŞTAN A.  
EUROPEAN JOURNAL OF ORGANIC CHEMISTRY, vol.2022, no.13, 2022 (SCI-Expanded)
- IV. **Recent Advances in the Transition-Metal-Free Arylation of Hetero-arenes**  
UÇAR S., DAŞTAN A.  
SYNTHESIS-STUTTGART, vol.53, no.23, pp.4353-4374, 2021 (SCI-Expanded)
- V. **Theoretical Studies on the Mechanism of the Formation of Cyclopentadienes and Dihydropyridazines**  
Hallowman D., Rhyman L., Dalkilic E., DAŞTAN A., Elzagheid M., Domingo L. R., Ramasami P.  
CHEMISTRYSELECT, vol.6, no.37, pp.9806-9813, 2021 (SCI-Expanded)
- VI. **Dibenzosuberenone-Based Photo- and Thermochromic Switches, a Transformation: Rearrangement of Dibenzosuberenones to Spiro Anthrones**  
Kocak R., DAŞTAN A.  
ORGANIC LETTERS, vol.23, no.11, pp.4483-4487, 2021 (SCI-Expanded)
- VII. **Design, synthesis, characterization, and anticancer activity of a novel series of O-substituted chalcone derivatives**  
Ngameni B., Cedric K., Mbaveng A. T., Erdogan M., Simo I., Kuete V., DAŞTAN A.  
BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, vol.35, 2021 (SCI-Expanded)
- VIII. **Synthesis of dibenzosuberenone-based novel polycyclic pi-conjugated dihydropyridazines, pyridazines and pyrroles**  
Kocak R., DAŞTAN A.  
BEILSTEIN JOURNAL OF ORGANIC CHEMISTRY, vol.17, pp.719-729, 2021 (SCI-Expanded)
- IX. **Synthesis and structural characterization of novel O-substituted phenolic and chalcone derivatives with antioxidant activity**  
Ngameni B., Erdogan M., Kuete V., Dalkilic E., Ngadjui B. T., DAŞTAN A.  
JOURNAL OF CHEMICAL RESEARCH, vol.45, no.1-2, pp.159-165, 2021 (SCI-Expanded)
- X. **Transition Metal-Free Heteroarylation of Quinoxaline: Construction of Heteroaryl-Fused Phenazines by Oxidative Coupling**  
UÇAR S., DAŞTAN A.  
Journal of Organic Chemistry, vol.85, no.23, pp.15502-15513, 2020 (SCI-Expanded)
- XI. **One-pot homo- and cross-coupling of diazanaphthalenes via C-H substitution: Synthesis of Bis- and Tris-diazanaphthalenes**  
UÇAR S., DAŞTAN A.  
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.57, no.11, pp.4013-4022, 2020 (SCI-Expanded)
- XII. **Design, synthesis, and characterization of a new class of efficient dihydropyridazine-dibenzosuberenone derived fluorescent dyes and investigation of their some photophysical properties**

- Erdogan M., DAŞTAN A.  
TETRAHEDRON, vol.76, no.26, 2020 (SCI-Expanded)
- XIII. **Monodisperse CuPt alloy nanoparticles assembled on reduced graphene oxide as catalysts in the transfer hydrogenation of various functional organic groups**  
GANJEHYAN K., Nisanci B., SEVİM M., DAŞTAN A., Metin O.  
APPLIED ORGANOMETALLIC CHEMISTRY, vol.33, no.5, 2019 (SCI-Expanded)
- XIV. **1,2-Dibromotetrachloroethane: an efficient reagent for many transformations by modified Appel reaction**  
Essiz S., DAŞTAN A.  
TURKISH JOURNAL OF CHEMISTRY, vol.43, no.1, pp.150-156, 2019 (SCI-Expanded)
- XV. **Aromatic stacking of a perylenetetracarboxylic tetraester: Self-assembly in both water and chloroform**  
NİŞANCI B., DAŞTAN A., BOZDEMİR Ö. A.  
Tetrahedron Letters, vol.59, no.39, pp.3558-3562, 2018 (SCI-Expanded)
- XVI. **Synthesis of Pyridazine and Pyrrole Analogues of 2-Aminotetralin as Potential Dopaminergics**  
Koçak R., DAŞTAN A., SARAÇOĞLU N.  
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.55, no.6, pp.1489-1493, 2018 (SCI-Expanded)
- XVII. **One hundred years of benzotropone chemistry**  
DAŞTAN A., KILIÇ H., SARAÇOĞLU N.  
BEILSTEIN JOURNAL OF ORGANIC CHEMISTRY, vol.14, pp.1120-1180, 2018 (SCI-Expanded)
- XVIII. **The Dibenzosuberone Scaffold as a Privileged Substructure: From Synthesis to Application**  
DAŞTAN A., KILIÇ H., SARAÇOĞLU N.  
SYNTHESIS-STUTT GART, vol.50, no.3, pp.391-439, 2018 (SCI-Expanded)
- XIX. **Highly diastereoselective synthesis of a novel functionalized triepoxytrinaphthylene**  
Erdogan M., EŞSİZ S., Fabris F., DAŞTAN A.  
ARKIVOC, pp.134-143, 2018 (SCI-Expanded)
- XX. **Synthesis of an F-BODIPY [2]catenane using the chemistry of bis(dipyrrinato) metal complexes**  
NİŞANCI B., Sahinoglu S., Tuner E., ARIK M., Kani I., DAŞTAN A., BOZDEMİR Ö. A.  
CHEMICAL COMMUNICATIONS, vol.53, no.92, pp.12418-12421, 2017 (SCI-Expanded)
- XXI. **Access to polysubstituted naphthalenes and anthracenes via a retro-Diels-Alder reaction**  
Akin E. T., Erdoğan M., Daştan A., SARAÇOĞLU N.  
TETRAHEDRON, vol.73, no.37, pp.5537-5546, 2017 (SCI-Expanded)
- XXII. **Dihydropyridazine-appended dibenzosuberones as a new class of fluorophores: Application to fluoride sensing**  
Koçak R., Yıldız D., BOZKAYA U., DAŞTAN A., BOZDEMİR Ö. A.  
TETRAHEDRON LETTERS, vol.58, no.30, pp.2981-2985, 2017 (SCI-Expanded)
- XXIII. **Bromination of quinoxaline and derivatives: Effective synthesis of some new brominated quinoxalines**  
UCAR S., Essiz S., DAŞTAN A.  
TETRAHEDRON, vol.73, no.12, pp.1618-1632, 2017 (SCI-Expanded)
- 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.  
TETRAHEDRON, vol.73, no.12, pp.1640-1649, 2017 (SCI-Expanded)
- XXV. **Hemisynthesis and Spectroscopic Characterization of Three New Chalcone Derivatives from Dorstenia barteri**  
NGAMENI B., FOTSO G. W., AMBASSA P., KAMGA J., DAŞTAN A., NGADJUI B. T.  
CHEMISTRY OF NATURAL COMPOUNDS, vol.53, no.2, pp.241-247, 2017 (SCI-Expanded)
- XXVI. **Novel eugenol derivatives: Potent acetylcholinesterase and carbonic anhydrase inhibitors**  
Topal F., GÜLÇİN İ., DAŞTAN A., Guney M.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.94, pp.845-851, 2017 (SCI-Expanded)

- XXVII. **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.  
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.53, no.6, pp.2049-2056, 2016 (SCI-Expanded)
- XXVIII. **Heterogeneous Catalytic Reductive Amination of Carbonyl Compounds with Ni-Al Alloy in Water as Solvent and Hydrogen Source**  
Schäfer C., Nişancı B., Bere M. P., DAŞTAN A., Török B.  
Synthesis (Germany), vol.48, no.18, pp.3127-3133, 2016 (SCI-Expanded)
- XXIX. **Effective bromo and chloro peroxidation catalysed by tungsten(VI) amino triphenolate complexes**  
BADETTI E., ROMANO F., MARCHIO L., Taskesenlioglu S., DAŞTAN A., ZONTA C., LICINI G.  
DALTON TRANSACTIONS, vol.45, no.37, pp.14603-14608, 2016 (SCI-Expanded)
- XXX. **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.  
Journal of Molecular Catalysis A: Chemical, vol.409, pp.191-197, 2015 (SCI-Expanded)
- XXXI. **Synthesis of a Novel Benzocyclootrimer with One Rigid and One Flexible Electron-Rich Cavity**  
BOLZAN A., BORTOLUZZI M., BORSATO G., FABBRO C., DAŞTAN A., DE LUCCHI O., FABRIS F.  
HELVETICA CHIMICA ACTA, vol.98, no.8, pp.1067-1074, 2015 (SCI-Expanded)
- XXXII. **Synthesis of cyclopentadiene derivatives by retro-Diels-Alder reaction of norbornadiene derivatives**  
DALKILIC E., DAŞTAN A.  
TETRAHEDRON, vol.71, no.13, pp.1966-1970, 2015 (SCI-Expanded)
- XXXIII. **Twisted Baskets**  
Hermann K., Pratumyot Y., Polen S., Hardin A. M., Dalkilic E., DAŞTAN A., Badjic J. D.  
CHEMISTRY-A EUROPEAN JOURNAL, vol.21, no.9, pp.3550-3555, 2015 (SCI-Expanded)
- 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.  
NEW JOURNAL OF CHEMISTRY, vol.39, no.1, pp.548-554, 2015 (SCI-Expanded)
- XXXV. **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.  
BIOORGANIC & MEDICINAL CHEMISTRY, vol.22, no.13, pp.3537-3543, 2014 (SCI-Expanded)
- XXXVI. **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.  
CHEMISTRY-A EUROPEAN JOURNAL, vol.20, no.15, pp.4251-4256, 2014 (SCI-Expanded)
- XXXVII. **Norbornanoid Chiral Ketones by Desymmetrization of Dibromoalkenes**  
Koçak R., BORSATO G., DE LUCCHI O., DAŞTAN A.  
HELVETICA CHIMICA ACTA, vol.97, no.4, pp.537-545, 2014 (SCI-Expanded)
- XXXVIII. **A Molecular Claw: A Dynamic Cavitand Host**  
Hermann K., Nakhla M., Gallucci J., Dalkilic E., DAŞTAN A., Badjic J. D.  
ANGEWANDTE CHEMIE-INTERNATIONAL EDITION, vol.52, no.43, pp.11313-11316, 2013 (SCI-Expanded)
- XXXIX. **Stereoconvergent Generation of a Contrasteric syn-Bicyclopropylidene (=syn-Cyclopropylidene-cyclopropane) by Stille-Like Coupling**  
Guney M., Essiz S., DAŞTAN A., Balci M., DE LUCCHI O., ŞAHİN E., FABRIS F.  
HELVETICA CHIMICA ACTA, vol.96, no.5, pp.941-950, 2013 (SCI-Expanded)
- XL. **Nucleophilic substitution of bromonorbornenes and derivatives by electron transfer reactions**  
CRESPO ANDRADA K. F., PEISINO L. E., GUNAY M., DAŞTAN A., PIERINI A. B.  
ORGANIC & BIOMOLECULAR CHEMISTRY, vol.11, no.6, pp.955-965, 2013 (SCI-Expanded)
- XLI. **Environmentally benign synthesis of heterocyclic compounds by combined microwave-assisted heterogeneous catalytic approaches**

- Dastan A., KULKARNI A., TOEROEK B.  
GREEN CHEMISTRY, vol.14, no.1, pp.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**  
Essiz S., SENGUL M. E., ŞAHİN E., DAŞTAN A.  
TURKISH JOURNAL OF CHEMISTRY, vol.35, no.4, pp.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**  
TASKESENLIOĞLU S., DAŞTAN A., DALKILIC E., GUNNEY M., Abbasoglu R.  
NEW JOURNAL OF CHEMISTRY, vol.34, no.1, pp.141-150, 2010 (SCI-Expanded)
- XLIV. **Synthesis and Diels-Alder cycloaddition reaction of norbornadiene and benzonorbornadiene dimers**  
NİŞANCI B., DALKILIC E., GUNNEY M., DAŞTAN A.  
BEILSTEIN JOURNAL OF ORGANIC CHEMISTRY, vol.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, vol.65, no.25, pp.4859-4865, 2009 (SCI-Expanded)
- XLVI. **Novel and versatile protocol for the preparation of functionalized benzocyclotrimers**  
DALKILIC E., GUENEY M., DAŞTAN A., SARAÇOĞLU N., DE LUCCHI O., FABRIS F.  
TETRAHEDRON LETTERS, vol.50, no.17, pp.1989-1991, 2009 (SCI-Expanded)
- XLVII. **Carbonic anhydrase inhibitors. Inhibition of human erythrocyte isozymes I and II with a series of antioxidant phenols**  
SENTURK M., GÜLÇİN İ., DAŞTAN A., KÜFREVİOĞLU Ö. İ., SUPURAN C. T.  
BIOORGANIC & MEDICINAL CHEMISTRY, vol.17, no.8, pp.3207-3211, 2009 (SCI-Expanded)
- XLVIII. **Structural Analysis of endo- and exo-Benzocyclobutenonorbornene-Dibromides by Using H-1, C-13 NMR and X-Ray Diffraction Techniques.**  
ŞAHİN E., ANIL B., DAŞTAN A., KAZAZ C.  
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.65, 2009 (SCI-Expanded)
- XLIX. **Bromination of Tetrachlorobenzobarrelene: Polyhalogenated Benzobicyclics**  
SENGUL M. E., GUELTEKIN D., Essiz S., DAŞTAN A.  
TURKISH JOURNAL OF CHEMISTRY, vol.33, no.1, pp.79-86, 2009 (SCI-Expanded)
- L. **Bromination of norbornene derivatives: synthesis of brominated norbornanes and norbornenes**  
GUELTEKIN D. D., TAŞKESEN LİGİL Y., DAŞTAN A., Balci M.  
TETRAHEDRON, vol.64, no.19, pp.4377-4383, 2008 (SCI-Expanded)
- LI. **The effect of the double bond pyramidalization on the mode of the bromination reaction: Bromination of benzobicyclonadiene**  
BALCI M., GUNNEY M., Dastan A., AZIZOĞLU A.  
JOURNAL OF ORGANIC CHEMISTRY, vol.72, no.13, pp.4756-4762, 2007 (SCI-Expanded)
- LII. **Oxidation of some alkoxy-cycloheptatriene derivatives: unusual formation of furan and furanoids from cycloheptatrienes**  
COSKUN A., GUNNEY M., Dastan A., BALCI M.  
TETRAHEDRON, vol.63, no.23, pp.4944-4950, 2007 (SCI-Expanded)
- LIII. **Synthesis of dimeric phenol derivatives and determination of in vitro antioxidant and radical scavenging activities**  
Gulcin I., Dastan A.  
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.22, no.6, pp.685-695, 2007 (SCI-Expanded)
- LIV. **(1RS, 2RS, 3SR, 4SR, 9RS)-1,2,3,9-tetrabromo-1,2,3,4-tetrahydro-1,4-methanonaphthalene**  
CELİK İ., ERSANLI C. C., AKKURT M., Dastan A., GARCIA-GRANDA S.  
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.62, 2006 (SCI-Expanded)
- 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, no.2, pp.104-109, 2006 (SCI-Expanded)
- LVI. **Bromination of isomeric 7,8-dibromobenzobicyclo[2.2.2]octa-2,5-dienes: neighbouring group effect on bromination**  
Dastan A.  
JOURNAL OF CHEMICAL RESEARCH-S, no.9, pp.608-612, 2005 (SCI-Expanded)
- LVII. **High temperature bromination. Part 18: Bromination of benzonorbornadiene derivatives: Polybrominated benzonorbornenes and benzonorbornadienes**  
Dastan A., BALCI M.  
TETRAHEDRON, vol.61, no.23, pp.5481-5488, 2005 (SCI-Expanded)
- LVIII. **Bromination of endo- and exo-benzocyclobutenonorbornene derivatives: neighbour group effect on bromination**  
UZUNDUMLU E., Dastan A.  
JOURNAL OF CHEMICAL RESEARCH-S, no.6, pp.348-351, 2005 (SCI-Expanded)
- LIX. **Substituent effects of the cycloaddition reaction of 7-substituted 5H-benzocycloheptenes with singlet oxygen and the chemistry of the benzocycloheptene endoperoxides**  
GUNEY M., Ceylan Z., Dastan A., BALCI M.  
CANADIAN JOURNAL OF CHEMISTRY, vol.83, no.3, pp.227-235, 2005 (SCI-Expanded)
- LX. **(+/-)-(1SR,8RS,10RS)-9.9.10-tribromotricyclo[6.2.1.0(2,7)]undeca-2,4,6-triene**  
ERSANLI C., CORUH U., HOKELEK T., VAZQUEZ-LOPEZ E., Dastan A.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.61, 2005 (SCI-Expanded)
- LXI. **Chemistry of the benzotropone endoperoxides and their conversion into tropolone derivatives: Unusual endoperoxide rearrangements**  
GUNEY M., Dastan A., BALCI M.  
HELVETICA CHIMICA ACTA, vol.88, no.4, pp.830-838, 2005 (SCI-Expanded)
- 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**  
ERSANLI C., CORUH U., HOKELEK T., VAZQUEZ-LOPEZ E., Dastan A., ERDONMEZ A.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.60, 2004 (SCI-Expanded)
- 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**  
Dastan A., UZUNDUMLU E., BALCI M., FABRIS F., DE LUCCHI O.  
EUROPEAN JOURNAL OF ORGANIC CHEMISTRY, no.1, pp.183-192, 2004 (SCI-Expanded)
- LXIV. **Bromination of tricyclo[7.2.1.0(2,7)]dodeca-2,4,6,10-tetraene derivatives: Electronic and neighboring group effects on bromination**  
Dastan A.  
TURKISH JOURNAL OF CHEMISTRY, vol.28, no.6, pp.715-724, 2004 (SCI-Expanded)
- LXV. **Cyclotrimerization of 'Oxabenzonorbornadiene': Synthesis of syn- and anti-5,6,11,12,17,18-hexahydro-5,18:6,11 : 12,17-triepoxytrinaphthylene**  
DE LUCCHI O., Dastan A., ALTUNDAS A., FABRIS F., BALCI M.  
HELVETICA CHIMICA ACTA, vol.87, no.9, pp.2364-2367, 2004 (SCI-Expanded)
- LXVI. **Cyclotrimerization of benzobarrelene: Synthesis of new isomeric barrelene architectures**  
Dastan A., FABRIS F., DE LUCCHI O., GUNEY M., BALCI M.  
HELVETICA CHIMICA ACTA, vol.86, no.10, pp.3411-3416, 2003 (SCI-Expanded)
- LXVII. **Bromination of tricyclo[7.2.1.0(2,7)]dodeca-2,4,6,10-tetraene derivatives: Highly brominated benzobicyclic systems**  
Dastan A.  
TURKISH JOURNAL OF CHEMISTRY, vol.27, no.2, pp.181-187, 2003 (SCI-Expanded)
- LXVIII. **The di-pi-methane photorearrangement of 2,3-disubstituted benzobarrelenes and benzonorbornadiene - Substituent effects in regioselectivity**  
ALTUNDAS R., Dastan A., UNALDI N., GUVEN K., UZUN O., BALCI M.

- EUROPEAN JOURNAL OF ORGANIC CHEMISTRY, no.3, pp.526-533, 2002 (SCI-Expanded)
- LXXIX. **Bromination of 'endo-benzocyclobutanorbornene': Synthesis of 'endo-11,12-dibromobenzocyclobutanorbornene': High-temperature bromination - Part XIV**  
Dastan A., UZUNDUMLU E., BALCI M.  
HELVETICA CHIMICA ACTA, vol.85, no.9, pp.2729-2739, 2002 (SCI-Expanded)
- LXX. **Bromination of 2,3-dibromobenzobarrelene at different conditions: Highly brominated benzobicyclic systems**  
Dastan A.  
TURKISH JOURNAL OF CHEMISTRY, vol.26, no.4, pp.535-546, 2002 (SCI-Expanded)
- LXXI. **A new synthesis of bromobenzotropones: Oxidation of 8-bromo-5H-benzo[a]cycloheptene**  
DASTAN A., YILDIZ Y., Kazaz C., BALCI M.  
TURKISH JOURNAL OF CHEMISTRY, vol.26, no.2, pp.143-151, 2002 (SCI-Expanded)
- LXXII. **Bromination of 2,3-dibromobenzobarrelene: a new and efficient synthesis of 2,3,5-tribromobenzobarrelene**  
Dastan A.  
JOURNAL OF CHEMICAL RESEARCH-S, no.11, pp.463-464, 2001 (SCI-Expanded)
- LXXIII. **Bromination of benzobicyclic system with 1,2-dibromotetrachloroethane: unusual radical rearrangement**  
Dastan A.  
TETRAHEDRON, vol.57, no.41, pp.8725-8732, 2001 (SCI-Expanded)
- LXXIV. **A new method for the synthesis of stipitatic acid isomers: Photooxygenation of ethyl 6H-cyclohepta[d][1,3]dioxole-6-carboxylate**  
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- II. **Reduction and Bromination of the Phenazine**  
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- IX. **Reduced Graphene Oxide Supported Cu<sub>3</sub>Pt Alloy Nanoparticles: A Novel and Highly Efficient Heterogeneous Catalyst System for Transfer Hydrogenation**  
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- XXVI. **SYNTHESIS of NEW NORBORNANOID CHIRAL COMPOUNDS VIA DESYMMETRIZATION of 1 2 VINYL DIBROMIDES**  
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- XXVII. **Bazı Eugenol Türevlerinin Asetilkolinesteraz Enzimi Üzerine İnhibisyon Etkileri**  
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27. Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 - 28 August 2015
- XXVIII. **Reductive amination of carbonyl compounds in water as solvent and hydrogen source Schaefer Christian Nisanci Bilal Bere Matt Dastan Arif Torok Bela**  
Christian S., NİŞANCI B., Bere M., DAŞTAN A., Bela T.  
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- XXX. **Synthesis of New Pyridazines and Determination of Their Carbonic Anhydrase Inhibition Properties**  
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- XXXIII. **Synthesis and Characterization of a Zinc-Dipyrinato-Catenate**  
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RSC Macrocyclic and Supramolecular Chemistry Meeting, 16 - 17 December 2013
- XXXIV. **Synthesis of New Type Watersoluble Host Molecules for Supramolecular Applications**  
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- XXXV. **'xxBazı Oksonorbornadien Türevlerinin Siklotrimerizasyonu: Yeni Bir Host Molekülün Sentezi**  
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**XLV. 7-Bromnorbornenin Brominasyonu: Polibromlu Norbornan ve Norbornenlerin Sentezi**

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- DAŞTAN A., TUBITAK Project, Piridazin Halkası İçeren Kromik Dibenzosuberolonların İlk Sentezi, Fotokromik Özelliklerinin ve Spiro Bileşiklerine Düzenlenme Tepkimelerinin İncelenmesi: Flor Sensör Olarak Yeni Tip Boyar Maddeler, 2016 - Continues
- DAŞTAN A., YILDIZ S., Project Supported by Higher Education Institutions, TEKNOLOJİK VE BİYOLOJİK POTANSİYELİ YÜKSEK TÜREVLER İÇİN ANAHTAR MOLEKÜLLER OLARAK KİNAZOLİN VE NAFTİRİDİN BİLEŞİKLERİNİN BROMLU ANALOGLARININ SENTEZİ, 2018 - 2019
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- DAŞTAN A., KOÇAK R., Project Supported by Higher Education Institutions, DOPAMİN BENZERİ PİRİDAZİN, PİROL VE AMİNOTETRALİN TÜREVLERİNİN SENTEZİ, 2016 - 2018
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- DAŞTAN A., ERDOĞAN M., Project Supported by Higher Education Institutions, 6,7-DİBROMO-1,4-DİHİDRO-1,4-EPOKSİNAFTALİNİN SENTEZİ VE SİKLOTRİMERİZASYONU, 2015 - 2016
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- DAŞTAN A., TUBITAK Project, Yeni Bir Yaklaşımla Polihalojenli Naftalin ve Antrasen Türevlerinin Seçici Olarak Sentezi, 2012 - 2015
- DAŞTAN A., NİŞANCI B., Project Supported by Higher Education Institutions, SUYUN ÇÖZÜCÜ VE HİDROJEN KAYNAĞI OLARAK KULLANILMASIYLA KARBONİL BİLEŞİKLERİNİN REDÜKTİF AMİNASYONU, 2013 - 2014
- DAŞTAN A., NİŞANCI B., Project Supported by Higher Education Institutions, MONO VE BİS SİKLOBUTENOSİKLOOKTANLARIN SENTEZİ, 2013 - 2014
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- DAŞTAN A., TUBITAK Project, Retro Diels-Alder Reaksiyonu İle Sentetik Potansiyeli Yüksek Siklopentadien Türevlerinin Sentezi, 2009 - 2011
- DAŞTAN A., TUBITAK Project, Supramoleküler Uygulamalar İçin Suda Çözünebilen Siklotrimerler, 2008 - 2010
- DAŞTAN A., TUBITAK Project, Tetraklorobenzobarrelenin Brominasyonu, Polihalojenlenmiş Benzobarrelen Türevlerinin Eldesi ve Tetraklorobenzobarrelenin Siklotrimerizasyonu Üzerinden Host-Guest Tipi Moleküllerin Sentezi, 2007 - 2009
- DAŞTAN A., TUBITAK Project, Biyolojik ve Sentetik Açından Önemli Bazı Hidrokarbonların Sentezi, Stille Coupling Reaksiyonu ile Siklotrimerizasyonu ve Dimerizasyonu, 2006 - 2008

DAŞTAN A., TUBITAK Project, Fotooksjenasyon Yöntemi İle Yeni Tip Tropolonların Sentezi, 2005 - 2006

DAŞTAN A., TUBITAK Project, Doğal Tropolon Türevleri için Yeni sentetik Yöntemlerin Geliştirilmesi, 1999 - 2001

### **Activities in Scientific Journals**

Organic Communications, Committee Member, 2015 - Continues

ARKIVOC, Committee Member, 2012 - Continues

Turkish Journal Of Chemistry, First Editor, 2012 - 2016

### **Metrics**

Publication: 140

Citation (WoS): 1589

Citation (Scopus): 1538

H-Index (WoS): 20

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### **Awards**

DAŞTAN A., GEBİP, TÜBA, June 2011