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Education Information

Doctorate, Ataturk University, Fen Fakültesi, Kimya, Organik Kimya, Turkey 1987 - 1991

Dissertations

Doctorate, Piramitleşmiş alkaenlaerin yeni bir yöntemle sentezi ve özellikleri. , Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Kimya / Organik Kimya, 1991
Postgraduate, 2,3-Dioksabisiklo[2.2.2]oktanın CoTPP ile parçalanma mekanizması ve 3,4,5,8-tetrahidro5,8-epidioksi-1-2(H)-azulenonun sentez ve reaksiyonları., Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Kimya / Organik Kimya, 1986

Research Areas

Chemistry, Organic Chemistry, Chemistry of Aromatic Compounds, Natural Sciences

Academic Titles / Tasks

Professor, Ataturk University, Fen Fakültesi, Kimya, 2001 - Continues
Associate Professor, Ataturk University, Fen Fakültesi, Kimya, 1994 - 2001
Assistant Professor, Ataturk University, Fen Fakültesi, Kimya, 1991 - 1994
Research Assistant PhD, Ataturk University, Fen Fakültesi, Kimya, 1991 - 1991
Research Assistant, Ataturk University, Fen Fakültesi, Kimya, 1984 - 1991

Courses

Genel Kimya (Astronomi-Uzay B), Undergraduate, 2021 - 2022
G. Kimya Lab. (Biyoloji), Undergraduate, 2021 - 2022
Organik Kimya, Undergraduate, 2020 - 2021
Organik III, Undergraduate, 2021 - 2022
Temel Lab. Güvenliği, Postgraduate, 2020 - 2021

İleri Org. Kimya Reaksiyo Mek. I, Doctorate, 2020 - 2021
TEMEL LABORATUAR GÜVENLIGI, Postgraduate, 2021 - 2022
Genel Kimya I (Fizik), Undergraduate, 2021 - 2022
Undergraduate, 2020 - 2021
Doctorate, 2020 - 2021

Advising Theses

Menzek A., Doctorate, M.ALİ(Student), 2020
MENZEK A., Moleküler modelleme yönlendirmeli olarak ursan türevi triterpenlerin sentezleri ve bazı biyolojik aktivitelerinin incelenmesi, Doctorate, H.Şenol(Student), 2018
MENZEK A., Farklı fonksiyonel grup içeren C1-4 yan zincirli doğal bromfenollerin sentezi, Doctorate, Ç.Bayrak(Student), 2017
MENZEK A., Karbon nokta yapılarının sentezi ve fotolüminesans özelliklerinin incelenmesi, Postgraduate, K.Bilmişoğlu(Student), 2017
Menzek A., Çetinkaya Y., Siklopentan birimi içeren bis-1,3-diarilpropan türevlerinin sentezi, Doctorate, T.Artunç(Student), 2016
MENZEK A., Farklı konumlarda siklopropan içeren bromfenol bileşiklerin sentezleri,, Doctorate, M.Boztaş(Student), 2016
MENZEK A., Spiro[2.4]hepta-4,6-dien sistemi içeren esterlerin benzin ile siklokatılma tepkimeleri: Ürünlerin karekterizasyonu ve düzenlenmeleri, Postgraduate, Ç.Bayrak(Student), 2013
MENZEK A., Spiro[2.4]hepta-4,6-dien-1-ilmetanol ve esterlerinin PTAD ve 1,4-naftokinon ile oluşturduğu siklokatılma ürünlerinin yapıları ve düzenlenmeleri, Postgraduate, H.Şenol(Student), 2011
MENZEK A., Bazı terpen ve 1,2,4,5-konumlarında S,O ve N atomları bulunduran siklohekzan türevlerinin sentezleri, Doctorate, A.Ahmet(Student), 2010
MENZEK A., Beş metoksitli diarilmetanon bileşiğinin türevlendirilmesi, Doctorate, Y.Çetinkaya(Student), 2010
MENZEK A., Difenilmetan türevi doğal ürün bromfenollerin sentezi,, Doctorate, H.Türker(Student), 2008
MENZEK A., Yeni bir yöntemle aromatik bileşiklerin indirgenmesi ve siklopropanlı bisiklik sistemlerde düzenlenmeler,, Doctorate, M.Gökmen(Student), 2006
MENZEK A., 5- ve 6-Kloro-1,3-sikloheptadienlerin siklokatılma reaksiyonları ve oluşan kloroendoperoksitlerin kimyası, Postgraduate, Y.Çetinkaya(Student), 2004
MENZEK A., Benzohomonorbornadien türevlerinde düzenlenme reaksiyonları ve vinilbenzonorbornadienlerin sentez çalışmaları, Postgraduate, M.Gökmen(Student), 2000

Jury Memberships

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Atatürk Üniversitesi, December, 2021
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Atatürk Üniversitesi, December, 2021

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Synthesis and Biological Activity of Some Bromophenols and Their Derivatives Including Natural Products**
Bayrak C., Taslimi P., Kilinc N., GÜLÇİN İ., MENZEK A.
Chemistry and Biodiversity, vol.20, no.8, 2023 (SCI-Expanded)
II. **AlCl3-Catalyzed Cascade Reactions of 1,2,3-Trimethoxybenzene and Adipoyl Chloride: Spectroscopic Investigations and Density Functional Theory Studies**

ÇETİNKAYA Y., Artunc T., MENZEK A.
ACS Omega, vol.7, no.43, pp.38882-38893, 2022 (SCI-Expanded)

III. **1,3-dipolar cycloaddition reactions of the compound obtaining from cyclopentadiene-PTAD and biological activities of adducts formed selectively**
Yavari M. A., Taslimi P., Bayrak C., Taskin-Tok T., MENZEK A.
Journal of Heterocyclic Chemistry, vol.59, no.5, pp.864-878, 2022 (SCI-Expanded)

IV. **Synthesis and some enzyme inhibition effects of isoxazoline and pyrazoline derivatives including benzonorbornene unit**
Yavari M. A., Adiloglu Y., Saglamtas R., TUTAR A., GÜLÇİN İ., MENZEK A.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, vol.36, no.2, 2022 (SCI-Expanded)

V. **Synthesis and antioxidant activities of benzylic bromophenols inclusive of natural products**
Bayrak C., Uc E. M., Rezaei M., GÜLÇİN İ., MENZEK A.
TURKISH JOURNAL OF CHEMISTRY, vol.46, no.5, pp.1405-1428, 2022 (SCI-Expanded)

VI. **Synthesis and Aldose Reductase Inhibition Effects of Novel N-Benzyl-4-Methoxyaniline Derivatives**
Bayrak C., Yildizhan G., Kilinc N., Durdagi S., MENZEK A.
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VII. **Chemoselective reduction of alpha,beta-unsaturated carbonyl compounds in the presence of CuPd alloy nanoparticles decorated on mesoporous graphitic carbon nitride as highly efficient catalyst**
SEVİM M., Bayrak C., MENZEK A.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.958, 2022 (SCI-Expanded)

VIII. **Synthesis and reactions of di(thiophen-2-yl)alkane diones: Cyclocondensation**
Artunc T., MENZEK A.
TURKISH JOURNAL OF CHEMISTRY, vol.46, no.5, pp.1397-1412, 2022 (SCI-Expanded)

IX. **Synthesis and photophysical properties of new pyrazolines with triphenyl and ester derivatives**
ŞENOL A. M., Bayrak Ç., MENZEK A., ONGANER Y., Yaka N.
Journal of Molecular Structure, vol.1214, 2020 (SCI-Expanded)

X. **Monodisperse NiPd alloy nanoparticles decorated on mesoporous graphitic carbon nitride as a catalyst for the highly efficient chemoselective reduction of alpha,beta-unsaturated ketone compounds**
Bayrak C., MENZEK A., SEVİM M.
NEW JOURNAL OF CHEMISTRY, vol.44, no.32, pp.13606-13612, 2020 (SCI-Expanded)

XI. **Synthesis and antioxidant activities of phenol derivatives from 1,6-bis (dimethoxyphenyl)hexane-1,6-dione**
Artunc T., Menzek A., Taslimi P., Gulcin İ., Kazaz C., Sahin E.
BIOORGANIC CHEMISTRY, vol.100, 2020 (SCI-Expanded)

XII. **The first synthesis of phenylpropanoid derivative bromophenols including natural products: Formation of an indene derivative compound**
Bayrak C., MENZEK A.
TETRAHEDRON, vol.76, no.12, 2020 (SCI-Expanded)

XIII. **Synthesis and biological evaluation of bromophenol derivatives with cyclopropyl moiety: Ring opening of cyclopropane with monoester**
BOZTAS M., TASLIMI P., YAVARİ M. A., GÜLÇİN İ., ŞAHİN E., MENZEK A.
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XIV. **The first synthesis, carbonic anhydrase inhibition and anticholinergic activities of some bromophenol derivatives with S including natural products**
BAYRAK C., TASLIMI P., KARAMAN H. S., GÜLÇİN İ., MENZEK A.
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XV. **Synthesis and rearrangement reactions of 1,4-dihydrospiro[1,4-methanonaphthalene-9,1 '-cyclopropane] derivatives**
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XVI. **Cycloaddition Reactions of Benzonorbornadiene and Homonorbornadiene: New Isoxazoline and Pyridazine Derivatives**
Adiloglu Y., ŞAHİN E., Tutar A., MENZEK A.
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.55, no.8, pp.1917-1925, 2018 (SCI-Expanded)

XVII. **The first synthesis and antioxidant and anticholinergic activities of 1-(4,5-dihydroxybenzyl)pyrrolidin-2-one derivative bromophenols including natural products**
REZAİ M., BAYRAK C., TASLIMI P., GÜLÇİN İ., MENZEK A.
TURKISH JOURNAL OF CHEMISTRY, vol.42, no.3, pp.808-841, 2018 (SCI-Expanded)

XVIII. **Reaction of 9-oxabicyclo[4.2.1]non-7-ene-1-ol with tetrazine: An unusually facile intramolecular rearrangement**
KAYA A., SALAMCI E., MENZEK A., ERDEM S., ŞAHİN E., ECER K.
TETRAHEDRON, vol.73, no.36, pp.5381-5388, 2017 (SCI-Expanded)

XIX. **The first synthesis of 4-phenylbutenone derivative bromophenols including natural products and their inhibition profiles for carbonic anhydrase, acetylcholinesterase and butyrylcholinesterase enzymes**
BAYRAK C., TASLIMI P., GÜLÇİN İ., MENZEK A.
BIOORGANIC CHEMISTRY, vol.72, pp.359-366, 2017 (SCI-Expanded)

XX. **Synthesis of new homoconduritols and homoaminoconduritols**
KAYA O., SENGUL M. E., MENZEK A., ŞAHİN E., GUR B.
TETRAHEDRON, vol.72, no.22, pp.2828-2837, 2016 (SCI-Expanded)

XXI. **Cycloaddition reaction of spiro[2.4]hepta-4,6-dien-1-ylmethanol and PTAD: a new rearrangement**
SENOL H., BAYRAK C., MENZEK A., ŞAHİN E., KARAKUS M.
TETRAHEDRON, vol.72, no.20, pp.2587-2592, 2016 (SCI-Expanded)

XXII. **Synthesis of 4-[2-(3,4-dimethoxybenzyl)cyclopentyl]-1,2-dimethoxybenzene Derivatives and Evaluations of Their Carbonic Anhydrase Isoenzymes Inhibitory Effects**
ARTUNC T., ÇETİNKAYA Y., GOCER H., GÜLÇİN İ., MENZEK A., ŞAHİN E., SUPURAN C. T.
CHEMICAL BIOLOGY & DRUG DESIGN, vol.87, no.4, pp.594-607, 2016 (SCI-Expanded)

XXIII. **Synthesis and Carbonic Anhydrase Isoenzymes I, II, IX, and XII Inhibitory Effects of Dimethoxybromophenol Derivatives Incorporating Cyclopropane Moieties**
BOZTAS M., ÇETİNKAYA Y., TOPAL M., GÜLÇİN İ., MENZEK A., ŞAHİN E., TANC M., SUPURAN C. T.
JOURNAL OF MEDICINAL CHEMISTRY, vol.58, no.2, pp.640-650, 2015 (SCI-Expanded)

XXIV. **Synthesis and Carbonic Anhydrase Isoenzymes Inhibitory Effects of Brominated Diphenylmethanone and Its Derivatives**
ÇETİNKAYA Y., Gocer H., GÜLÇİN İ., MENZEK A.
ARCHIV DER PHARMAZIE, vol.347, no.5, pp.354-359, 2014 (SCI-Expanded)

XXV. **Synthesis of cyclohexane derivatives including Br, Cl, N, O, and S at 1,2,4,5-positions: selectivity in addition reactions**
KAYA A. A., MENZEK A., ŞAHİN E.
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XXVI. **Synthesis and paroxonase activities of novel bromophenols**
AKBABA Y., TURKES C., POLAT L., SOYUT H., ŞAHİN E., MENZEK A., GÖKSU S., Beydemir S.
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XXVII. **Synthesis and Biological Evaluation of Novel Bromophenol Derivatives as Carbonic Anhydrase Inhibitors**
AKBABA Y., Balaydin H. T., MENZEK A., GÖKSU S., ŞAHİN E., Ekinci D.
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XXVIII. **(3,4-Dihydroxyphenyl)(2,3,4-trihydroxyphenyl)methanone and its derivatives as carbonic anhydrase isoenzymes inhibitors**
NAR M., ÇETİNKAYA Y., GÜLÇİN İ., MENZEK A.
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XXIX. **Inhibition of human carbonic anhydrase isozymes I, II and VI with a series of bisphenol, methoxy and bromophenol compounds**
Balaydin H. T., Durdagi S., Ekinci D., Senturk M., GÖKSU S., MENZEK A.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.27, no.4, pp.467-475, 2012 (SCI-Expanded)

XXX. **Synthesis and carbonic anhydrase inhibitory properties of novel bromophenols and their derivatives including natural products: Vidalol B**
BALAYDIN H. T., SENTURK M., GÖKSU S., MENZEK A.
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.54, pp.423-428, 2012 (SCI-Expanded)

XXXI. **Synthesis and Antioxidant Properties of (3,4-Dihydroxyphenyl)(2,3,4-trihydroxyphenyl)methanone and Its Derivatives**
ÇETİNKAYA Y., GOCER H., MENZEK A., Gulcin I.
ARCHIV DER PHARMAZIE, vol.345, no.4, pp.323-334, 2012 (SCI-Expanded)

XXXII. **Synthesis and carbonic anhydrase inhibitory properties of novel bromophenols including natural products**
BALAYDIN H. T., SOYUT H., Ekinci D., GÖKSU S., Beydemir S., MENZEK A., ŞAHİN E.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.27, no.1, pp.43-50, 2012 (SCI-Expanded)

XXXIII. **Synthesis and carbonic anhydrase inhibitory properties of novel cyclohexanonyl bromophenol derivatives**
Balaydin H. T., Senturk M., MENZEK A.
BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, vol.22, no.3, pp.1352-1357, 2012 (SCI-Expanded)

XXXIV. **Aromatisation in adducts of alpha-terpinene: Influence of hindered internal rotations**
KAYA A. A., SENGUL M. E., MENZEK A., KAYAARDI I., KARAKUS M., ŞAHİN E.
JOURNAL OF CHEMICAL RESEARCH, no.9, pp.540-544, 2011 (SCI-Expanded)

XXXV. **Selective O-demethylation during bromination of (3,4-dimethoxyphenyl) (2,3,4-trimethoxyphenyl)methanone**
ÇETİNKAYA Y., MENZEK A., ŞAHİN E., BALAYDIN H. T.
TETRAHEDRON, vol.67, no.19, pp.3483-3489, 2011 (SCI-Expanded)

XXXVI. **(1RS,2RS,3SR,5RS,7RS)-2,5-Dichloro-8-oxabicyclo[5.1.0]octan-3-ol**
ÇETİNKAYA Y., MENZEK A., HÖKELEK T.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.67, 2011 (SCI-Expanded)

XXXVII. **2,3-Dibromo-1-[4-(2,3-dibromo-4,5-dimethoxybenzyl)-2,5-dimethoxybenzyl]-4,5-dimethoxybenzene**
ŞAHİN E., Balaydin H. T., GÖKSU S., MENZEK A.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.66, 2010 (SCI-Expanded)

XXXVIII. **Reductions of Benzene Derivatives Whose Benzylic Positions Bear Oxygen Atoms under Mild Conditions**
MENZEK A., KARAKAYA M. G., KAYA A. A.
HELVETICA CHIMICA ACTA, vol.91, no.12, pp.2299-2307, 2008 (SCI-Expanded)

XXXIX. **Cycloaddition Reaction of 1,4-Dihydronaphthalene 1,4-Epoxide with Cyclooctatetraene: Cope Rearrangement in an Adduct**
MENZEK A., KELEBEKLI L., Altundas A., ŞAHİN E., Polat F.
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XL. **Reactions of 3,10-epoxycyclo[10.2.2.0(2,11).0(4,9)]hexadeca-4,6,8,13-tetraene: a new intramolecular 1,5-oxygen migration**
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XLI. **Construction of a homonaphthazarin skeleton and synthesis of hydroquinone-annelated cycloheptatriene derivatives**
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TURKISH JOURNAL OF CHEMISTRY, vol.30, no.2, pp.131-138, 2006 (SCI-Expanded)

XLII. **1SR,2SR,3SR,10SR,12RS,13RS,14RS,17SR)-13-hydroxy-11-oxapentacyclo[8.7.0.0(2,14).0(4,9).0(12,17)]heptadeca-4,6,8-trien-3-yl 4-chlorobenzoate**

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Senguel M. E., Menzek A., Saracoglu N.
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XLV. **Photooxygenation of 5- and 6-chloro-1,3-cycloheptadienes and reactions of their endoperoxides with base: effects of the chloro substituent on the reactions**
Menzek A., SENGUL M., Cetinkaya Y., CEYLAN S.
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OZER G., Saracoglu N., MENZEK A., BALCI M.
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XLVII. **Excellent and convenient procedures for reduction of benzene and its derivatives**
ALTUNDAS A., Menzek A., Gultekin D., KARAKAYA M.
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XLIX. **Synthesis of new anthraquinone and naphthohomobarrelene derivatives**
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L. **Cationic rearrangements of an endo-cyclopropyl methanol system incorporated in a benzonorbornadiene system**
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LI. **A new, safe and convenient procedure for reduction of naphthalene and anthracene: synthesis of tetralin in a one-pot reaction**
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LII. **Sequential rearrangement reactions of benzhomonorbornadiene derivatives: Synthesis of 7-vinylbenzonorbornadiene**
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LIII. **Synthesis and rearrangement reactions of dihydrobenzhomobarrelene derivatives: influence of double bond on product distribution**
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LV. **A new approach to understanding oxidation-reduction of compounds in organic chemistry**
Menzek A.
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Saracoglu N., MENZEK A., KINAL A., BALCI M.
CANADIAN JOURNAL OF CHEMISTRY-REVUE CANADIENNE DE CHIMIE, vol.79, no.1, pp.35-41, 2001 (SCI-Expanded)

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TURKISH JOURNAL OF CHEMISTRY, vol.25, no.1, pp.123-133, 2001 (SCI-Expanded)

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LXII. **Unusual bicyclic endoperoxides containing pyridazine ring: Reaction of unsaturated bicyclic endoperoxides with dimethyl 1,2,4,5-tetrazine-3,6-dicarboxylate**
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