

Prof. MUSTAFA SAÇMACI

Personal Information

Office Phone: [+90 0354 242 1021](tel:+9003542421021) Extension: 2523

Email: mustafa.sacmaci@bozok.edu.tr

Web: <https://avesis.bozok.edu.tr/mustafa.sacmaci>

Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 1996 - 2003

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Turkey 1993 - 1996

Undergraduate, Erciyes University, Fen-Edebiyat Fakültesi, Kimya Pr., Turkey 1989 - 1993

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Bazı visinal diketo-furan sistemlerinin hidrazonlar, izosiyanatlar, üretanlar ile reaksiyonlarının deneysel ve semiempirik verileri, Erciyes University, Fen Bilimleri Enstitüsü, Kimya (Dr), 2002

Postgraduate, Semi ve tiyosemikarbazit ile türevlerinin 1,3-diketon yapısındaki bileşiklerle reaksiyonlarının araştırılması, Erciyes University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 1996

Research Areas

Natural Sciences

Academic Titles / Tasks

Professor, Yozgat Bozok University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2014 - Continues

Assistant Professor, Yozgat Bozok University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2003 - 2009

Academic and Administrative Experience

Yozgat Bozok University, 2010 - Continues

Yozgat Bozok University, 2006 - Continues

Courses

SPEKTROSKOPİK YAPI ANALİZİ, Postgraduate, 2012 - 2013, 2013 - 2014

KİMYA-1 (JELOJİ) İ.Ö., Undergraduate, 2012 - 2013, 2013 - 2014

ORGANİK BOYARMADDELER, Postgraduate, 2013 - 2014
ORGANİK ANALİZ, Undergraduate, 2011 - 2012, 2013 - 2014
BİTİRME TEZİ II, Undergraduate, 2011 - 2012, 2013 - 2014
TEZ ÇALIŞMASI, Postgraduate, 2013 - 2014
BİTİRME TEZİ I İ.Ö., Undergraduate, 2011 - 2012, 2012 - 2013, 2013 - 2014
GENEL KİMYA II, Undergraduate, 2012 - 2013, 2013 - 2014
UZMANLIK ALAN DERSİ I, Postgraduate, 2011 - 2012, 2013 - 2014
KİMYA (ELK-ELEKTRİK MÜH.), Undergraduate, 2013 - 2014
ORGANİK KİMYA LAB. I İ.Ö., Undergraduate, 2013 - 2014
KİMYA-2 (JEOLJİ), Undergraduate, 2012 - 2013, 2013 - 2014
HETEROSİKLİK BİLEŞİKLER, Undergraduate, 2012 - 2013, 2013 - 2014
HETEROSİKLİK BİLEŞİKLER, Postgraduate, 2011 - 2012, 2012 - 2013, 2013 - 2014
KİMYA-2 (JEOLJİ) İ.Ö., Undergraduate, 2012 - 2013, 2013 - 2014
ORGANİK REAKSİYON MEKANİZM., Undergraduate, 2013 - 2014
TEZ ÇALIŞMASI (Y.L), Postgraduate, 2011 - 2012, 2012 - 2013, 2013 - 2014
ORGANİK KİMYA LAB. I, Undergraduate, 2011 - 2012, 2013 - 2014
ORGANİK KİMYA LAB. II, Undergraduate, 2011 - 2012, 2013 - 2014
GENEL KİMYA I, Undergraduate, 2013 - 2014
ORGANİK REAKSİYON MEKANİZM. İ.Ö., Undergraduate, 2013 - 2014
BİTİRME TEZİ I, Undergraduate, 2012 - 2013, 2013 - 2014
KİMYA-1 (JEOLJİ), Undergraduate, 2012 - 2013, 2013 - 2014
UZMANLIK ALAN DERSİ II, Postgraduate, 2012 - 2013, 2013 - 2014
GENEL KİMYA LAB. II, Undergraduate, 2013 - 2014
GENEL KİMYA LAB. I, Undergraduate, 2012 - 2013, 2013 - 2014
SEMİNER, Undergraduate, 2012 - 2013
GENEL KİMYA II (FİZİK) İ.Ö., Undergraduate, 2011 - 2012, 2012 - 2013
GENEL KİMYA II İ.Ö., Undergraduate, 2012 - 2013
UZMANLIK ALAN DERSİ, Postgraduate, 2012 - 2013
SEMİNER (Y.L), Postgraduate, 2011 - 2012, 2012 - 2013
HETEROSİKLİK BİLEŞİKLER İ.Ö., Undergraduate, 2011 - 2012, 2012 - 2013
GENEL KİMYA I (FİZİK), Undergraduate, 2011 - 2012, 2012 - 2013
BİYOKİMYA (KİMYA) İ.Ö., Undergraduate, 2012 - 2013
BİYOKİMYA (KİMYA), Undergraduate, 2012 - 2013
BİYOKİMYA LAB. İ.Ö., Undergraduate, 2012 - 2013
GENEL KİMYA II (FİZİK), Undergraduate, 2011 - 2012, 2012 - 2013
ORGANİK KİMYA I, Undergraduate, 2011 - 2012
ORGANİK KİMYA I İ.Ö., Undergraduate, 2011 - 2012
ORGANİK KİMYA II İ.Ö., Undergraduate, 2011 - 2012
ORGANİK KİMYA II, Undergraduate, 2011 - 2012
GENEL KİMYA I (FİZİK) İ.Ö., Undergraduate, 2011 - 2012
ORGANİK ANALİZ TEK. (Y.L), Postgraduate, 2011 - 2012
UZMANLIK ALAN DERSİ İ.Ö., Postgraduate, 2011 - 2012

Advising Theses

SAÇMACI M., Floresans ışık yayan rodamin türevi schiff bazı bileşiklerinin sentez ve karakterizasyonu, Postgraduate, M.ESRA(Student), 2020
SAÇMACI M., Oksazol türevi yeni bileşiklerin sentezi ve çeşitli nükleofillerle reaksiyonları, Doctorate, İ.EVREN(Student), 2018
SAÇMACI M., Bazı rodamin türevi boyar maddelerin sentez ve karakterizasyonu, Postgraduate, A.ATMACA(Student),

2017

- SAÇMACI M., Pirazol karboksi amit bileşiklerinin sentez ve karakterizasyonu, Postgraduate, Ç.ARSLANER(Student), 2016
- SAÇMACI M., Rodamin türevi boyar maddelerin sentezi, gıda ve çevre örneklerindeki bazı ağır metallerin florimetrik yöntemle tayini, Postgraduate, E.ÖZYOL(Student), 2016
- SAÇMACI M., Furan türevi rodamin boyar maddelerin sentezi, çevre ve gıda örneklerindeki bazı ağır metallerin florimetrik yöntem ile tayini, Postgraduate, N.ÖKSÜZ(Student), 2016
- SAÇMACI M., Yeni furanon bileşiklerinin aminler ile reaksiyonları, Postgraduate, N.AKYOL(Student), 2015
- SAÇMACI M., Yeni pirrol-3-on türevlerinin sentezi, Postgraduate, C.YILMAZ(Student), 2012
- SAÇMACI M., Bazı furan türevi bileşiklerin heterohalkalı diaminlerle reaksiyonları, Postgraduate, H.BÖLÜKBAŞI(Student), 2011
- SAÇMACI M., Alkil 2-(4-metoksibenzoil)-3-(4-metoksifenil)-3-oksopropanoilkarbamat bileşiklerinin amino grubu içeren nükleofillerle reaksiyonları, Postgraduate, A.ALKAN(Student), 2006

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Monomeric or dimeric? A theoretical and vibrational spectroscopic approach to the structural stability of 5-(4-methoxy benzoyl)-6-(4-methoxyphenyl)-3-methyl-2-thioxo-2,3-dihydropyrimidine-4(1H)-on**
ARI H., Ozpazan T., Kabacali Y., SAÇMACI M.
JOURNAL OF MOLECULAR STRUCTURE, vol.1222, 2020 (Journal Indexed in SCI)
- II. **Application of a new functionalized magnetic graphene oxide for aluminum determination at trace levels in honey samples by the zetasizer system**
SAÇMACI Ş., SAÇMACI M.
MICROCHEMICAL JOURNAL, vol.157, 2020 (Journal Indexed in SCI)
- III. **The rapid determination of lead in food samples by magnetic dispersive solid-phase extraction coupled zeta potential analyzer**
SAÇMACI Ş., SAÇMACI M.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, 2020 (Journal Indexed in SCI)
- IV. **A new fluorescence reagent: Synthesis, characterization and application for speciation of arsenic (III)/(VI) species in tea samples**
Oksuz N., SAÇMACI Ş., SAÇMACI M., ÜLGEN A.
FOOD CHEMISTRY, vol.270, pp.579-584, 2019 (Journal Indexed in SCI)
- V. **Xanthine oxidase inhibitory activity of new pyrrole carboxamide derivatives: In vitro and in silico studies**
KIBRIZ İ. E. , SAÇMACI M., YILDIRIM İ., Noma S. A. A. , TAŞKIN TOK T., ATEŞ B.
ARCHIV DER PHARMAZIE, vol.351, no.10, 2018 (Journal Indexed in SCI)
- VI. **Highly selective adsorption of cadmium ions by water-dispersible magnetic thioglycolic acid/graphene oxide composites**
SAÇMACI Ş., SAÇMACI M.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.32, no.9, 2018 (Journal Indexed in SCI)
- VII. **Grafting of glutathione to magnetic graphene oxide and application for the determination of As(III)/(V) in food samples via a zeta potential analyzer**
SAÇMACI Ş., SAÇMACI M., KOK C.
NEW JOURNAL OF CHEMISTRY, vol.42, no.7, pp.5345-5355, 2018 (Journal Indexed in SCI)
- VIII. **A new turn-on fluorimetric method for the rapid speciation of Cr(III)/Cr(VI) species in tea samples with rhodamine-based fluorescent reagent**
Ozyol E., SAÇMACI Ş., SAÇMACI M., ÜLGEN A.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.191, pp.62-68, 2018 (Journal Indexed in SCI)
- IX. **Synthesis, characterization and application of a new fluorescence reagent for the determination of**

aluminum in food samples

Yildiz E., SAÇMACI Ş., SAÇMACI M., ÜLGEN A.

FOOD CHEMISTRY, vol.237, pp.942-947, 2017 (Journal Indexed in SCI)

- X. **A New Turn-On Fluorometric Detection Method for the Determination of Ag(I) in Some Food and Water Samples**
SAÇMACI Ş., SAÇMACI M., ÜLGEN A.
JOURNAL OF AOAC INTERNATIONAL, vol.100, no.6, pp.1854-1860, 2017 (Journal Indexed in SCI)
- XI. **A new procedure for determination of nickel in some fake jewelry and cosmetics samples after dispersive liquid-liquid microextraction by FAAS**
SAÇMACI Ş., SAÇMACI M.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.31, no.11, 2017 (Journal Indexed in SCI)
- XII. **Preparation of novel pyrrol-2-one derivatives via an effective synthesis of new oxazole scaffold**
KIBRIZ İ. E., SAÇMACI M., ŞAHİN E., YILDIRIM İ.
TETRAHEDRON, vol.73, no.14, pp.1795-1802, 2017 (Journal Indexed in SCI)
- XIII. **Synthesis and characterization of new thiadiazole derivatives bearing a pyrazole moiety**
SAÇMACI M., Arslaner C., ŞAHİN E.
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.192, no.10, pp.1134-1139, 2017 (Journal Indexed in SCI)
- XIV. **Theoretical and vibrational spectroscopic approach to keto-enol tautomerism in methyl-2-(4-methoxybenzoyl)-3-(4-methoxyphenyl)-3-oxopropanoate**
ARI H., Ozpozan T., BÜYÜKMUMCU Z., Kabacali Y., SAÇMACI M.
JOURNAL OF MOLECULAR STRUCTURE, vol.1122, pp.48-61, 2016 (Journal Indexed in SCI)
- XV. **A New Chelating Reagent: Its Synthesis/Characterization and Application for the Determination of Cd(II) and Ni(II) in Various Food and Make-Up Product Samples by FAAS Using Simultaneous Microextraction Sampling**
SAÇMACI Ş., SAÇMACI M.
JOURNAL OF AOAC INTERNATIONAL, vol.99, no.4, pp.1058-1065, 2016 (Journal Indexed in SCI)
- XVI. **A new chelating reagent and application for coprecipitation of some metals in food samples by FAAS**
Yildiz E., SAÇMACI Ş., KARTAL Ş., SAÇMACI M.
FOOD CHEMISTRY, vol.194, pp.143-148, 2016 (Journal Indexed in SCI)
- XVII. **Development of a new on-line system for the sequential speciation and determination of chromium species in various samples using a combination of chelating and ion exchange resins**
ŞAHAN S., SAÇMACI Ş., KARTAL Ş., SAÇMACI M., ŞAHİN U., ÜLGEN A.
TALANTA, vol.120, pp.391-397, 2014 (Journal Indexed in SCI)
- XVIII. **Synthesis and Structural Characterization of Pyrrole Heterocyclic Systems Bearing Amino Acid Units: Novel Pyrrol-3-ones, Pyrrolo[1,2-a][3,1]benzoxazines, and Pyrrolo[2,1-b][1,3]oxazoles**
KOCA İ., SAÇMACI M., YILMAZ F., ÜNGÖREN Ş. H.
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.51, no.1, pp.212-218, 2014 (Journal Indexed in SCI)
- XIX. **On-line determination of palladium by flame atomic absorption spectrometry coupled with a separation/preconcentration minicolumn containing a new sorbent**
SAÇMACI Ş., ŞAHAN S., SAÇMACI M., ŞAHİN U., ÜLGEN A., KARTAL Ş.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, vol.93, no.12, pp.1223-1235, 2013 (Journal Indexed in SCI)
- XX. **Synthesis, characterization and vibrational spectra analysis of ethyl (2Z)-2-(2-amino-4-oxo-1,3-oxazol-5(4H)-ylidene)-3-oxo-3-phenylpropanoate**
KIBRIZ İ. E., SERT Y., SAÇMACI M., ŞAHİN E., YILDIRIM İ., UCUN F.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.114, pp.491-501, 2013 (Journal Indexed in SCI)
- XXI. **Novel acid mono azo dye compound: Synthesis, characterization, vibrational, optical and theoretical investigations of 2-[(E)-(8-hydroxyquinolin-5-yl)-diazenyl]-4,5-dimethoxybenzoic acid**
SAÇMACI M., KANBUR ÇAVUŞ H., ARI H., ŞAHİNGÖZ R., Ozpozan T.

SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.97, pp.88-99, 2012
(Journal Indexed in SCI)

- XXII. **A new chelating resin: Synthesis, characterization and application for speciation of chromium (III)/(VI) species**
SAÇMACI Ş., KARTAL Ş., Yılmaz Y., SAÇMACI M., Soykan C.
CHEMICAL ENGINEERING JOURNAL, vol.181, pp.746-753, 2012 (Journal Indexed in SCI)
- XXIII. **DETERMINATION OF Cr(III), Fe(III), Ni(II), Pb(II) AND Zn(II) IONS BY FAAS IN ENVIRONMENTAL SAMPLES AFTER SEPARATION AND PRECONCENTRATION BY SOLVENT EXTRACTION USING A TRIKETONE REAGENT**
SAÇMACI Ş., KARTAL Ş., SAÇMACI M.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.21, pp.1563-1570, 2012 (Journal Indexed in SCI)
- XXIV. **Selective back-extraction and preconcentration of zinc(II) from metal-1,3,5-triketone extracts prior to its determination by flame atomic absorption spectrometry**
SAÇMACI Ş., KARTAL Ş., SAÇMACI M.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, vol.92, no.14, pp.1626-1637, 2012
(Journal Indexed in SCI)
- XXV. **Reactions of Some Furan-3-ones with 2,3-Diaminopyridine and its Derivatives**
SAÇMACI M., Bolukbasi H., ŞAHİN E.
BULLETIN OF THE KOREAN CHEMICAL SOCIETY, vol.33, no.1, pp.90-94, 2012 (Journal Indexed in SCI)
- XXVI. **Selective Separation and Preconcentration of Fe(III) and Zn(II) Ions by Solvent Extraction Using a New Triketone Reagent**
SAÇMACI Ş., KARTAL Ş., SAÇMACI M.
CLEAN-SOIL AIR WATER, vol.39, no.6, pp.584-590, 2011 (Journal Indexed in SCI)
- XXVII. **Novel Solid Phase Extraction Procedure for Some Trace Elements in Various Samples Prior to Their Determinations by FAAS**
SAÇMACI Ş., Kartal S., SAÇMACI M., Soykan C.
BULLETIN OF THE KOREAN CHEMICAL SOCIETY, vol.32, no.2, pp.444-450, 2011 (Journal Indexed in SCI)
- XXVIII. **Synthesis and Characterization of New Chelating Resin: Adsorption Study of Copper(II) and Chromium (III) Ions**
SAÇMACI Ş., SAÇMACI M., Soykan C., KARTAL Ş.
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, vol.47, no.6, pp.552-557, 2010 (Journal Indexed in SCI)
- XXIX. **New Heterocyclic Phosphorus Ylides: Synthesis, Crystal Structure, and Theoretical Calculation of Alkyl Substituted 3-(4-Benzoyl-1,5-diphenyl-2,3-dihydro-1H-pyrazol-3-yl)-3-oxo-2-(triphenylphosphoranylidene) Propanoates**
ÜNGÖREN Ş. H. , SAÇMACI M., Arici C., ŞAHİN E., Arslan T., Kandemirli F.
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.184, no.11, pp.2877-2890, 2009 (Journal Indexed in SCI)
- XXX. **New beta-tricarbonyl compounds: Synthesis, reactions with urea and some thioureas**
SAÇMACI M., Alkan A., SAÇMACI Ş., SARIPINAR E., ŞAHİN E.
HETEROCYCLES, vol.75, no.8, pp.2013-2021, 2008 (Journal Indexed in SCI)
- XXXI. **Reactions of beta-tricarbonyl compound with some aromatic hydrazines and amino acids-esters**
SAÇMACI M., Alkan A.
HETEROCYCLIC COMMUNICATIONS, vol.13, no.6, pp.359-366, 2007 (Journal Indexed in SCI)

Supported Projects

SAÇMACI M., Project Supported by Higher Education Institutions, Floresans Işık Yayan Rodamin Türevi Schiff Bazı Bileşiklerinin Sentez ve Karakterizasyonu, 2019 - 2020

SAÇMACI M., Project Supported by Higher Education Institutions, Pirrol-1-Karboksamit Türevlerinin Sentezinde Amino

Oksazol Bileşiminin Kullanılması, 2017 - 2018

SAÇMACI M., Project Supported by Higher Education Institutions, Çevre ve Gıda Örneklerindeki Bazı Ağır Metallerin İşlevselleştirilmiş Manyetik Grafen Kullanılarak Zeta Potansiyel Tekniği İle Tayini, 2016 - 2018

SAÇMACI M., Project Supported by Higher Education Institutions, Pirazol Karboksi Amid Bileşiklerinin Sentez ve Karakterizasyonu, 2015 - 2016

SAÇMACI M., Project Supported by Higher Education Institutions, Rodamin Türevi Boyar Maddelerin Sentezi, Gıda ve Çevre Örneklerindeki Bazı Ağır Metallerin Florimetrik Yöntemle Tayini, 2015 - 2016

SAÇMACI M., Project Supported by Higher Education Institutions, Furan Türevi Rodamin Boyar Maddelerin Sentezi, Çevre ve Gıda Örneklerindeki Bazı Ağır Metallerin Florimetrik Yöntemle Tayini, 2015 - 2016

SAÇMACI M., Project Supported by Higher Education Institutions, Yeni Furanon Bileşiklerinin Aminler İle Reaksiyonlar, 2014 - 2015

SAÇMACI M., Project Supported by Higher Education Institutions, Pirazol ve Pirimidin Halkası İhtiva Eden Bileşiklerin Sentezi ve Karakterizasyonu, 2014 - 2015

SAÇMACI M., Project Supported by Higher Education Institutions, Yeni Pirrol-3-On Türevlerinin Sentezi (Cemal Yılmaz *24/06/11), 2011 - 2013

SAÇMACI M., Project Supported by Higher Education Institutions, Furan-3-Ontürevi Bileşiklerinin Heterohalkalı Daiminler İle Reaksiyonları (Hilal Bölükbaşı*10/12/2010), 2010 - 2012

Citations

Total Citations (WOS):344

h-index (WOS):11