

Assoc. Prof. Elif KORKUSUZ

Personal Information

Email: ekorkusuz@erciyes.edu.tr

Web: <https://avesis.erciyes.edu.tr/ekorkusuz/>

Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Kimya , Turkey 2004 - 2011

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Kimya, Turkey 2001 - 2004

Dissertations

Doctorate, Furan-2,3-dion Türevi Bileşiklerin Çeşitli Azinlerle ve Hidroksil Aminlerle Reaksiyonlarının İncelenmesi, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Bölümü, 2011

Postgraduate, 4-Benzoil-1,5-Difenil-1H-Pirazol-3-karboksilik Asit Klorürünün Bazı Ambident Nükleofillerle Reaksiyonları, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Organik Kimya, 2004

Research Areas

Basic Sciences, Chemistry, Organic Chemistry, Chemistry of Aromatic Compounds, Chemistry of Heterocyclic Compounds, Organic Spectroscopy

Academic Titles / Tasks

Associate Professor, Erciyes University, Kayseri Meslek Yüksekokulu, Otomotiv Teknolojisi, 2015 - Continues

Assistant Professor, Erciyes University, Kayseri Meslek Yüksekokulu, Otomotiv, 2011 - 2015

Research Assistant, Erciyes University, Fen Edebiyat Fakültesi, Kimya Bölümü, 2002 - 2011

Academic and Administrative Experience

Kayseri Üniversitesi, Tomarza Mustafa Akıncıoğlu Meslek Yüksekokulu, 2018 - Continues

Kayseri Üniversitesi, Meslek Yüksekokulu, 2018 - Continues

Erciyes Üniversitesi, Meslek Yüksekokulu, 2018 - Continues

Erciyes Üniversitesi, Kayseri Meslek Yüksekokulu, 2013 - 2014

Erciyes Üniversitesi, Kayseri Meslek Yüksekokulu, Motorlu Araçlar ve Ulaştırma Teknolojileri, 2012 - 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- Reactivity of some pyrazol-3-carboxylic acid derivatives towards Grignard reagent**
KORKUSUZ E., YILDIRIM İ.
Indian Journal of Chemistry B, vol.56, no.2, pp.152-159, 2017 (SCI-Expanded)

- II. **Reactivity of some pyrazole-3-carboxylic acid derivatives towards Grignard reagent**
Korkusuz E., YILDIRIM İ.
INDIAN JOURNAL OF CHEMISTRY SECTION B-ORGANIC CHEMISTRY INCLUDING MEDICINAL CHEMISTRY, vol.56, no.2, pp.152-159, 2017 (SCI-Expanded)
- III. **A Simple and Efficient Synthesis of Some Important Pyrazole Derivatives**
KORKUSUZ E., YILDIRIM I.
JOURNAL OF THE CHEMICAL SOCIETY OF PAKISTAN, vol.37, no.6, pp.1177-1184, 2015 (SCI-Expanded)
- IV. **A NOVEL SYNTHETIC APPROACH TOWARDS 1H-PYRAZOLE-5-CARBOXYLIC ACID DERIVATIVES USING 4-(4-METHYLBENZOYL)-5-(4-METHYLPHENYL)FURAN-2,3-DIONE**
Korkusuz E., YILDIRIM I., ŞAHİN E.
HETEROCYCLES, vol.87, no.11, pp.2249-2266, 2013 (SCI-Expanded)
- V. **Synthesis of [3,3'-(4H,4'-H)-Bi-2H-1,3-oxazine]-4,4'-diones and Their Hydrolysis**
KORKUSUZ E., YILDIRIM İ.
HELVETICA CHIMICA ACTA, vol.96, no.7, pp.1339-1347, 2013 (SCI-Expanded)
- VI. **Synthesis of 3,3'-Bi(1,3-oxazine)-4,4'-diones and Their Hydrolysis**
KORKUSUZ E., YILDIRIM İ.
Helv. Chim. Acta, no.96, pp.1339-1347, 2013 (SCI-Expanded)
- VII. **An experimental and theoretical study on concomitant polymorphism of a dithiocarbonimidates derivate in a single space group**
Inkaya E., Dincer M., Sahan E., KORKUSUZ E., YILDIRIM I., Buyukgungor O.
JOURNAL OF MOLECULAR STRUCTURE, vol.1039, pp.179-188, 2013 (SCI-Expanded)
- VIII. **Investigation of Some Functionalization Reactions of 4-Benzoyl-5-phenyl-1-(4-methoxyphenyl)-1H-pyrazole-3-carbonyl Chloride and Their Antimicrobial Activity**
Korkusuz E., YILDIRIM I., Albayrak S.
JOURNAL OF THE CHINESE CHEMICAL SOCIETY, vol.60, no.5, pp.516-525, 2013 (SCI-Expanded)
- IX. **Synthesis, spectroscopic characterization and quantum chemical computational studies on 1-acetyl-3,5-di(4-methylphenyl)-1H-pyrazole**
Inkaya E., Dincer M., korkusuz E., YILDIRIM I., Buyukgungor O.
JOURNAL OF MOLECULAR STRUCTURE, vol.1027, pp.133-139, 2012 (SCI-Expanded)
- X. **Crystal and Molecular Structure of 4-Benzoyl-1,5-diphenyl-1H-pyrazole-3-carbonitrile**
korkusuz E., Şahin E., YILDIRIM İ.
Crystal Structure Theory and Applications, no.1, pp.1-8, 2012 (AHCI)
- XI. **Molecular structure of 4-benzoyl-3-ethylcarboxylate 1-(4-methoxyphenyl)-5-phenyl-1H-pyrazole: A combined experimental and theoretical study**
Inkaya E., Dincer M., korkusuz E., YILDIRIM I.
JOURNAL OF MOLECULAR STRUCTURE, vol.1013, pp.67-74, 2012 (SCI-Expanded)
- XII. **On the Reactions of Furan-2,3-diones with Oxindole (=1,3-Dihydro-2H-indol-2-one) and Lawesson Reagent. Synthesis of New 1,3-Dihydro-2H-indol-2-ones, Bis-furanones, and Bis-pyrrolones**
korkusuz E., YILDIRIM I.
HELVETICA CHIMICA ACTA, vol.94, no.5, pp.801-810, 2011 (SCI-Expanded)
- XIII. **Molecular structure and vibrational and chemical shift assignments of 6-(2-hydroxyethyl)-2,3,4-triphenyl-2,6-dihydro-7H-pyrazolo[3,4-d]pyridazin-7-one by DFT and ab initio HF calculations**
Demir S., Dincer M., Şahan E., korkusuz E., YILDIRIM I.
JOURNAL OF MOLECULAR STRUCTURE, vol.985, pp.251-260, 2011 (SCI-Expanded)
- XIV. **An experimental and theoretical approach to molecular structure of 4-benzoyl-5-phenyl-1-p-methoxyphenyl-1H-pyrazole-3-carboxylic acid methanol solvate**
Demir S., Dincer M., Korkusuz E., YILDIRIM I.
JOURNAL OF MOLECULAR STRUCTURE, vol.980, pp.1-6, 2010 (SCI-Expanded)
- XV. **Synthesis and Reactions of 4-Benzoyl-1,5-diaryl-1H-pyrazole-3-carbonyl Chlorides with Various Semi- and Thiosemicarbazides**
korkusuz E., YILDIRIM I.

JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.47, no.2, pp.472-476, 2010 (SCI-Expanded)

- XVI. **Reactions of 4-benzoyl-1,5-diphenyl-1H-pyrazole-3-carboxylic acid chloride with various hydroxylamines and carbazates**
Korkusuz E., YILDIRIM İ.
TURKISH JOURNAL OF CHEMISTRY, vol.34, no.6, pp.859-867, 2010 (SCI-Expanded)
- XVII. **Cyclization Reactions of 1-Pyrimidinyl-3-Arylthiourea Derivatives with Oxalyl Dichloride**
Onal Z., KORKUSUZ E., İLHAN İ. Ö.
HETEROCYCLIC COMMUNICATIONS, vol.16, pp.79-83, 2010 (SCI-Expanded)
- XVIII. **5-(4-Methylbenzoyl)-4-p-tolyl-1-(1-p-tolylolethylideneamino)pyrimidin-2(1H)-one**
Dinçer M., Özdemir N., Onal Z., Korkusuz E.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.63, 2007 (SCI-Expanded)

Articles Published in Other Journals

- I. **Molecular docking and antioxidant activity studies of imidodithiocarbonate derivatives containing pyrimidine**
Korkusuz E., SERT Y., Selvi E. K., Aydın H., KOCA İ., YILDIRIM İ.
Organic Communications, vol.16, no.1, pp.1-10, 2023 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Functionalization Reactions of 1 Amino 5 aroyl 4 aryl 1H pyrimidin 2 ones thiones**
Gelir Ş., KORKUSUZ E., YILDIRIM İ.
Anatolian Conference on Synthetic Organic Chemistry, ACSOC II, Kuşadası, Aydın, Turkey, 21 - 24 March 2016, pp.17
- II. **Synthesis and Some Reactions of 4-(4-Methylbenzoyl)-3-(4-Methylphenyl)-1-Pyridin-2-yl-1H-Pyrazole-5-Carboxylic Acid**
KORKUSUZ E.
1st international turkic world conference on chemical sciences and technologies, Saraybosna, Bosnia And Herzegovina, 27 October - 01 November 2015
- III. **Investigation of Some Functionalization Reactions of 1-amino-5-aroyl-4-aryl-1H-pyrimidine-2-one/-thione compounds with dialkyl acetylenedicarboxylates and ethyl 2-chloroacetoacetate**
KORKUSUZ E.
The 25th ISHC Congress, California, United States Of America, 23 - 28 August 2015, pp.65
- IV. **The First Synthesis of Some Important Pyrazole Derivatives**
KORKUSUZ E., YILDIRIM İ.
44th World Chemistry Congress (IUPAC 2013), İstanbul, Turkey, 11 - 16 August 2013, no.1
- V. **On the reactions of cyclic oxalyl compounds with 3-indolyl acetate and 3-phenyl-5-isoxazolone**
KORKUSUZ E., YILDIRIM İ.
The 15th Asian Chemical Congress, Chemistry at the Centre of Molecular Science & Nanotechnology, Resorts World Sentosa, Singapore, 1 - 04 August 2013, pp.41
- VI. **"Investigation of Some Reactiones of 4-Benzoyl-5-Phenyl-1-(4-Methoxyphenyl)-1H-Pyrazole-3-Carbonyl Chloride"**
KORKUSUZ E., YILDIRIM İ.
Tetrahedron Symposium-Challenges in Bioorganic and Organic Medicinal Chemistry, Netherlands, 1 - 04 July 2012, pp.36
- VII. **"Some New Reactions Of 4-Aroyl-5-Aryl-2,3-Furandiones"**
KORKUSUZ E., YILDIRIM İ.
7th Eurasian Meeting on Heterocyclic Chemistry (EAMHC), Turkey, 1 - 04 July 2012, pp.50

- VIII. **Some New Reactions of 4-Aroyl-5-aryl-2,3-furandiones, Boğaziçi Üniv., İstanbul**
korkusuz E., YILDIRIM İ.
7th Eurasian Meeting on Heterocyclic Chemistry (EAMHC), Turkey, 1 - 04 June 2012, pp.50
- IX. **Investigation of Some Reactiones of 4-Benzoyl-5-phenyl-1-(4-methoxyphenyl)-1H-pyrazole-3-carbonyl Chloride, in Amsterdam**
korkusuz E., YILDIRIM İ.
13th Tetrahedron Symposium-Challenges in Bioorganic and Organic Medicinal Chemistry, Netherlands, 1 - 04 June 2012, pp.36
- X. **Synthesis of Some Novel Pyrimidine Derivatives, Boğaziçi Üniv., İstanbul**
Şahan Büyükbaş E., korkusuz E., YILDIRIM İ.
7th Eurasian Meeting on Heterocyclic Chemistry (EAMHC), Turkey, 1 - 04 June 2012, pp.45
- XI. **Pirimidin Amin Türevlerinin Karbondisülfür İle Fonksiyonlandırma Reaksiyonları**
ŞAHAN E., Yıldırım İ., Önal Z., Korkusuz E.
25. Ulusal Kimya Kongresi, Erzurum, Turkey, 1 - 04 July 2011
- XII. **Some Reactiones and Synthesis of 3,5-Diaryl Pyrazole Derivatives with New Method**
KORKUSUZ E., YILDIRIM İ.
25. Ulusal Kimya Kongresi, Erzurum, Turkey, 1 - 04 July 2011
- XIII. **Synthesis and Reactions of Some Pyrazole-3-Carboxylic Acid Derivatives with Grignard Reagent**
korkusuz E., Çapan İ., YILDIRIM İ.
Eleventh Tetrahedron Symposium-Challenges in Organic and Bioorganic Chemistry, in Beijing, China, 1 - 04 June 2010, pp.124
- XIV. **Pirazol Karboksilik Asit Türevlerinin Tiyo ve Amino asit Türevleri ile Reaksiyonları**
KORKUSUZ E., YILDIRIM İ.
XIX. Ulusal Kimya Kongresi, Zonguldak, Turkey, 1 - 04 June 2010
- XV. **Synthesis and Some Reactions of 4-(4-Methylbenzoyl)-5-(4-Methylphenyl)-1-[4-Nitrophenyl]-1H-Pyrazole-3-Carboxylic Acid**
korkusuz E., YILDIRIM İ.
16th European Symposium on Organic Chemistry (ESOC 2009), in Prague, Prag, Czech Republic, 1 - 04 July 2009, pp.87
- XVI. **Studies on the Reactions of Cyclic Oxalyl Compounds with Oxindole and Lawesson Reagent**
korkusuz E., YILDIRIM İ.
16th European Symposium on Organic Chemistry (ESOC 2009), in Prague, Prag, Czech Republic, 1 - 04 July 2009, pp.52
- XVII. **4-Benzoyl-1,5-Difenil-3-Pirazol Karboksilik Asit Klorürü'nden Çeşitli Diarilketon Türevlerinin Sentezi**
KORKUSUZ E.
23. Ulusal Kimya Kongresi, Sivas, Turkey, 16 - 20 June 2009
- XVIII. **4-(4-Metilbenzoyl)-5-(4-Metilfenil)-1-(2,4-Dinitrofenil)-3-Pirazol Karboksilik Asit Klorürü'nün Sentezi Ve Bazı Reaksiyonları**
KORKUSUZ E.
23. Ulusal Kimya Kongresi, Sivas, Turkey, 16 - 20 June 2009
- XIX. **4-Benzoyl-1,5-difenil-3-pirazol Karboksilik Asit Klorürünün Hidroksilamin Türevleri ile Reaksiyonları**
KORKUSUZ E.
XXII. Ulusal Kimya Kongresi, Mağusa, Cyprus (Kktc), 6 - 10 October 2008
- XX. **4-Benzoyl-1,5-Difenil-N-[(4-Benzoyl-1,5-Difenil-1H-Pirazol-3-İl) Karbonil] Amino}-4-Fenil-1H-Pirazol-3-Karboksamit Türevlerinin Reaksiyonları**
KORKUSUZ E.
XXII. Ulusal Kimya Kongresi, Mağusa, Cyprus (Kktc), 6 - 10 October 2008
- XXI. **4-Benzoyl-1,5-difenil-3-pirazol Karboksilik Asit Klorürünün Semikarbazit Türevleriyle Reaksiyonları**
KORKUSUZ E.
XXI. Ulusal Kimya Kongresi, Malatya, Turkey, 23 - 27 September 2007
- XXII. **4-Benzoyl-1,5-difenil-N-[(2-Fenilhidrazino) Karbonil]-1H-Pirazol-3-Karboksamit Türevlerinin**

Tiyonasyonu

Korkusuz E., ŞAHAN E., Yıldırım İ.

21. Ulusal Kimya Kongresi, Malatya, Turkey, 1 - 04 August 2007

XXIII. **4-Benzoil-1,5-Difenil-3-Pirazol Karboksilik Asit ve -Klorürünün Bazı Aminofenollerle Reaksiyonları**

KORKUSUZ E.

XVIII. Ulusal Kimya Kongresi, Kars, Turkey, 5 - 09 July 2004

XXIV. **4-Benzoil-1,5-Difenil-3-Pirazol Karboksilik Asit ve Klörürünün Bazı Fenilendiaminlerle Tepkimeleri**

KORKUSUZ E.

XVI. Ulusal Kimya Kongresi, Konya, Turkey, 10 - 13 October 2002

Supported Projects

KORKUSUZ E., YÜCE C., Project Supported by Higher Education Institutions, Pirimidin Türevi Aminlerin Çok Bileşenli Reaksiyonları ile Biyolojik Öneme Sahip Tiazolidin, Ditiolan, Tiazinan Türevi Bileşiklerin Sentezi, 2013 - 2018

YILDIRIM İ., KORKUSUZ E., AYDIN S., Project Supported by Higher Education Institutions, Visinal-dion Türevi Bileşiklerin İndolilasetat ve İzoksazol Türevleri ile Reaksiyonları, 2012 - 2014

YILDIRIM İ., KORKUSUZ E., ÇAPAN İ., Project Supported by Higher Education Institutions, PİRAZOL-3-KARBOKSİLİK ASİT TÜREVLERİNİN SENTEZİ VE REAKSİYONLARI, 2009 - 2011

YILDIRIM İ., KORKUSUZ E., Project Supported by Higher Education Institutions, PİRAZOL-3-KARBOKSİLİK ASİT TÜREVİ BİLEŞİKLERİN AMİNOASİT ESTERLERİ İLE REAKSİYONLARI VE TIAZOL TÜREVİ BİLEŞİKLERİN SENTEZİ, 2008 - 2010

YILDIRIM İ., KORKUSUZ E., TÜRK BEN Ş., Project Supported by Higher Education Institutions, FURAN-23-DİON VE PİRAZOL-3-KARBOKSİLİK ASİT TÜREVLERİNİN AZOTLU VE OKSİJENLİ NÜKLEOFİLLERLE REAKSİYONLARI, 2008 - 2009

YILDIRIM İ., KORKUSUZ E., ÜNAL D., Project Supported by Higher Education Institutions, FURAN-23-DİON TÜREVİ BİLEŞİKLERİN ÇEŞİTLİ AZİNLERLE VE HİDROKSİL AMİNLERLE REAKSİYONLARININ İNCELENMESİ, 2007 - 2009

Scientific Refereeing

Polycyclic Aromatic Compounds, SCI Journal, November 2018

Project Supported by Higher Education Institutions, January 2017

Project Supported by Higher Education Institutions, December 2016

Project Supported by Higher Education Institutions, September 2016

Metrics

Publication: 44

Citation (WoS): 88

Citation (Scopus): 80

H-Index (WoS): 6

H-Index (Scopus): 6

Congress and Symposium Activities

1st International Turkic World Conference on Chemical Sciences and Technologies, Bosna-Hersek, Attendee, Bosnia And Herzegovina, 2015

The 25th ISHC Congress, USA, Attendee, United States Of America, 2015

The 15th Asian Chemical Congress, Singapur, Attendee, Singapore, 2013

44th World Chemistry Congress, İstanbul, Attendee, Turkey, 2013

13th Tetrahedron Symposium-Challenges in Bioorganic and Organic Medicinal Chemistry, Amsterdam, Attendee,

Netherlands, 2012

7th Eurasian Meeting on Heterocyclic Chemistry, İstanbul, Attendee, Turkey, 2012

1st Turkish Bruker Magnetic Resonance Workshop: NMR & EPR & MRI, Ankara, Attendee, Turkey, 2011

“2D NMR Spectroscopy Workshop” by Prof. Dr. Metin Balci, Erzurum, Attendee, Turkey, 2011

25. Ulusal Kimya Kongresi, Erzurum, Attendee, Erzurum, Turkey, 2011

Elevent Tetrahedron Symposium Frontiers of Organic Chemistry, Pekin-Çin, Attendee, China, 2010

24. Ulusal Kimya Kongresi, Zonguldak, Attendee, Zonguldak, Turkey, 2010

23. Ulusal Kşmya Kongresi, Sivas, Attendee, Sivas, Turkey, 2009

16th European Symposium on Organic Chemistry , Praq, Attendee, Czech Republic, 2009

22. Ulusal Kimya Kongresi, Mağusa-KKTC, Attendee, Gazimagusa, Cyprus (Kktc), 2008

NMR Training Courses by Bruker, Attendee, Turkey, 2008

21. Ulusal Kimya Kongresi, Malatya, Attendee, Turkey, 2007

20. Ulusal Kimya Kongresi, Kayseri, Attendee, Turkey, 2006

18. Ulusal Kimya Kongresi, Kars, Attendee, Turkey, 2004

16. Ulusal Kimya Kongresi, Konya, Attendee, Turkey, 2002