

Prof. GANI KOZA

Personal Information

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Education Information

Doctorate, University of Wales, Bangor, Department Of Chemistry, United Kingdom 2003 - 2008

Postgraduate, University of Wales, Bangor, Department Of Chemistry, United Kingdom 1994 - 1996

Undergraduate, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey 1987 - 1992

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Synthesis of Single Enantiomers of Ketomycolic Acids, University of Wales, Bangor, Kimya, 2007

Postgraduate, Application of Cyclopropenes in the Synthesis of Homochiral Cyclopropanes, University of Wales, Bangor, Kimya, 1996

Research Areas

Natural Sciences

Academic Titles / Tasks

Professor, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Kimya, 2018 - Continues

Associate Professor, Kirşehir Ahi Evran University, Faculty Of Arts And Sciences, 2013 - 2018

Assistant Professor, Kirşehir Ahi Evran University, Faculty Of Arts And Sciences, 2009 - 2013

Research Assistant, Bolu Abant İzzet Baysal University, Faculty Of Arts And Sciences, 1993 - 2007

Academic and Administrative Experience

Deputy Head of Department, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Kimya, 2018 - 2020

Deputy Head of Department, Kirşehir Ahi Evran University, Faculty Of Arts And Sciences, 2011 - 2018

Assistant Director of the Institute, Kirşehir Ahi Evran University, Faculty Of Arts And Sciences, 2015 - 2017

Courses

Kimyaçılar İçin Teknik İngilizce, Undergraduate, 2019 - 2020
Genel Kimya, Undergraduate, 2020 - 2021
Organik Kimyada Yükseltgenme Mekanizmaları, Doctorate, 2020 - 2021
Organik Kimya I, Undergraduate, 2020 - 2021
Organik Kimya, Undergraduate, 2019 - 2020
Genel Kimya Laboratuvarı II, Undergraduate, 2019 - 2020
NMR spectroscopy in Organic Chemistry, Undergraduate, 2020 - 2021
General Chemistry, Undergraduate, 2020 - 2021
Genel Kimya Laboratuvarı I, Undergraduate, 2019 - 2020
Organik Kimyada Reaktif Ara Ürünler, Postgraduate, 2019 - 2020
Scientific English, Undergraduate, 2019 - 2020

Advising Theses

KOZA G., 2,3-disübstitüe tiyofen türevlerinin yeni bir yöntemle sentezi, Postgraduate, K.KILIÇ(Student), 2016

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

- I. **The synthesis of single enantiomers of trans-alkene containing mycolic acids and related sugar esters**
Ali H. M. , Koza G., Hameed R. T. , Rowles R., Davies C., Al Dulayymi J. R. , Gwenin C. D. , Baird M. S.
TETRAHEDRON, vol.72, pp.7143-7158, 2016 (Journal Indexed in SCI)
- II. **Intermolecular heterocyclization of alkynones with 2-mercaptoacetaldehyde under metal-free conditions: synthesis of 2,3-disubstituted thiophenes**
Vatansever E. C. , Kilic K., Ozer M. S. , Koza G., Mengeş N., Balci M.
TETRAHEDRON LETTERS, vol.56, pp.5386-5389, 2015 (Journal Indexed in SCI)
- III. **Synthesis of Furo[2,3-d]pyridazin-4(5H)-one and Its N(5)-Substituted Derivatives**
Karahan E., Koza G., Balci M.
HELVETICA CHIMICA ACTA, vol.97, pp.1487-1496, 2014 (Journal Indexed in SCI)
- IV. **Furo- and thieno-fused 1,3-diazepine-4,6-diones**
Ozer M. S. , Koza G., Şahin E., Balci M.
TETRAHEDRON LETTERS, vol.54, pp.6553-6556, 2013 (Journal Indexed in SCI)
- V. **The synthesis of methoxy and keto mycolic acids containing methyl-trans-cyclopropanes**
Koza G., Muzael M., Schubert-Rowles R. R. , Theunissen C., Al Dulayymi J. R. , Baird M. S.
TETRAHEDRON, vol.69, pp.6285-6296, 2013 (Journal Indexed in SCI)
- VI. **Facile synthesis of novel 7-aminofuro- and 7-aminothieno[2,3-d]pyridazin-4(5H)-one and 4-aminophthalazin-1(2H)-ones**
Koza G., Keskin S., Ozer M. S. , Cengiz B., Şahin E., Balci M.
TETRAHEDRON, vol.69, pp.395-409, 2013 (Journal Indexed in SCI)
- VII. **A novel class of compounds: synthesis of 5,5 '-carbonyl-bis(5,6-dihydro-4H-furo- and thieno-[2,3-c]pyrrol-4-ones)**
Koza G., Balci M.
TETRAHEDRON, vol.67, pp.8679-8684, 2011 (Journal Indexed in SCI)
- VIII. **Molecular structure of the Mycobacterium tuberculosis virulence factor, mycolic acid, determines the elicited inflammatory pattern**
Vander Beken S., Al Dulayymi J. R. , Naessens T., Koza G., Maza-Iglesias M., Rowles R., Theunissen C., De Medts J., Lanckacker E., Baird M. S. , et al.
EUROPEAN JOURNAL OF IMMUNOLOGY, vol.41, pp.450-460, 2011 (Journal Indexed in SCI)
- IX. **Structure-function relationships of the antigenicity of mycolic acids in tuberculosis patients**

Beukes M., Lemmer Y., Deysel M., Juma'a R. A. D. , Mark S. B. , Koza G., Maximiliano M. I. , Richard R. R. , Theunissen C., Grooten J., et al.

CHEMISTRY AND PHYSICS OF LIPIDS, vol.163, pp.800-808, 2010 (Journal Indexed in SCI)

- X. **The synthesis of a major alpha '-mycolic acid of Mycobacterium smegmatis**
Muzael M., Koza G., Al Dulayymi J. J. , Baird M. S.
CHEMISTRY AND PHYSICS OF LIPIDS, vol.163, pp.678-684, 2010 (Journal Indexed in SCI)
- XI. **Regioselective Synthesis of the 5,6-Dihydro-4H-furo[2,3-c]pyrrol-4-one Skeleton: A New Class of Compounds**
Koza G., Karahan E., Balci M.
HELVETICA CHIMICA ACTA, vol.93, pp.1698-1704, 2010 (Journal Indexed in SCI)
- XII. **The synthesis of single enantiomers of mycobacterial ketomycolic acids containing cis-cyclopropanes**
Koza G., Theunissen C., Al Dulayymi J. R. , Baird M. S.
TETRAHEDRON, vol.65, pp.10214-10229, 2009 (Journal Indexed in SCI)
- XIII. **The synthesis of single enantiomers of trans-alkene-containing mycolic acids**
Koza G., Rowles R., Theunissen C., Al-Dulayymi J. R. , Baird M. S.
TETRAHEDRON LETTERS, vol.50, pp.7259-7262, 2009 (Journal Indexed in SCI)
- XIV. **Regioselective synthesis of the 3,4-dihydrofuro[3,2-d]pyrimidin-2(1H)-one skeleton: a new class of compound**
Koza G., Ozcan S., Şahin E., Balci M.
TETRAHEDRON, vol.65, pp.5973-5976, 2009 (Journal Indexed in SCI)
- XV. **The first synthesis of single enantiomers of ketomycolic acids**
Koza G., Baird M. S.
TETRAHEDRON LETTERS, vol.48, pp.2165-2169, 2007 (Journal Indexed in SCI)
- XVI. **1,2,2-tribromocyclopropanecarboxylic acid and derivatives - Valuable intermediates for four carbon cyclopropane and cyclopropene synthons**
Aldulayymi A., Aldulayymi J., Baird M., Gerrard M., Koza G., Harkins S., Roberts E.
TETRAHEDRON, vol.52, pp.3409-3424, 1996 (Journal Indexed in SCI)

Books & Book Chapters

I. Bölüm 2: Organik Kimyada Temel Kavramlar

Salman A. Y. , Koza G., Şendur G., Özyıldırım H., Aycan H. Ş. , Paşa S., Alpat Ş., Yavuz S., Kılıç T.
in: Genel Kimya 4 Organik Kimya, Canan NAKİBOĞLU, Editor, Anı Yayıncılık, Ankara, pp.39-80, 2017

II. Bölüm 1: Organik Kimyaya Giriş

Salman A. Y. , Koza G., Şendur G., Özyıldırım H., Aycan H. Ş. , Paşa S., Alpat Ş., Yavuz S., Kılıç T.
in: Genel Kimya 4 Organik Kimya, Canan NAKİBOĞLU, Editor, Anı Yayıncılık, Ankara, pp.9-38, 2017

Refereed Congress / Symposium Publications in Proceedings

I. Furo-izokinolin-1,3-dion Türevlerinin Sentezi

Koza G.
29.Ulusal Kimya Kongresi, ODTÜ, Ankara, Ankara, Turkey, 10 - 14 September 2017

II. Yeni Bir Yöntemle Furo-izokinolin-1,3-dion Türevlerinin Sentezi

Koza G.
3. Organik Kimya Kongresi, Trabzon, Turkey, 5 - 08 September 2016

III. Synthesis of 2,3-disubstituted thiophenes: intermolecular heterocyclization of alkyneones with 2-mercaptoacetaldehyde under metal-free conditions

Koza G., Kılıç K., Vatansever E. C. , Özer M. S. , Mengeş N., Balci M.
Trans Mediterranean Colloquium on Heterocyclic Chemistry, TRAMECH VIII, Antalya, Turkey, 11 - 15 November

2015

- IV. **Synthesis of furo- and thieno-fused new heterocyclic chemistry**
Koza G., Özer M. S. , Karahan E., Balcı M.
Trans Mediterranean Colloquium on Heterocyclic Chemistry, TRAMECH VIII, Antalya, Turkey, 11 - 15 November 2015
- V. **Yeni Heterosiklik Bileşik Furo-izokinolin 1,3-dion Türevlerinin Sentezi**
Koza G., Başbuğu A. İ.
2. Organik Kimya Kongresi, Ankara, Turkey, 24 - 26 September 2014
- VI. **Yeni Heterosiklik Yapılar: Furo- ve Tiyenoaminopiridazinonlar**
Koza G., Keskin S., Özer M. S. , Cengiz B., Balcı M.
25.Ulusal Kimya Kongresi, Erzurum, Turkey, 27 June - 02 July 2011
- VII. **Yeni Bir Yöntemle Furopirolon ve Furopiridazinon Türevlerinin Sentezi Erzurum 2011**
Karahana E., Koza G., Balcı M.
25.Ulusal Kimya Kongresi, Erzurum, Turkey, 27 June - 02 July 2011
- VIII. **Yeni Bir Yöntemle Ftalazinon ve Aminoftalazinon Türevlerinin Sentezi**
Keskin S., Koza G., Balcı M.
24.Ulusal Kimya Kongresi, Zonguldak, Turkey, 29 June - 02 July 2010
- IX. **Yeni Bir Yöntemle Furopirolon ve Furopiridazinon Türevlerinin Sentezi**
Karahana E., Koza G., Balcı M.
24.Ulusal Kimya Kongresi, Zonguldak, Zonguldak, Turkey, 29 June - 02 July 2010
- X. **Ftalazinon ve Aminoftalazinon Türevlerinin Yeni Bir Yöntemle Sentezi**
Keskin S., Koza G., Balcı M.
25.Ulusal Kimya Kongresi, Erzurum, Turkey, 27 June - 02 July 2011
- XI. **Tiyenoaminopiridazinon Türevlerinin Sentezi**
Özer M. S. , Koza G., Balcı M.
25.Ulusal Kimya Kongresi, Erzurum, Turkey, 27 June - 02 July 2011
- XII. **Yeni Bir Yöntemle 5,6-Dihidro-4H-furo[2,3-c]pirol-4-on ve Furo[3,2-d]piridazin-4(5H)-on Türevlerinin Sentezi**
Koza G., Karahan E., Cengiz B., Balcı M.
24.Ulusal Kimya Kongresi, Zonguldak, Turkey, 29 June - 02 July 2010
- XIII. **Yeni Heterosiklik Bileşiklerin Sentezi 5,6-Dihidro-4H-furo[2,3-c]pirol-4-on**
Koza G., Karahan E., Balcı M.
23. Ulusal Kimya Kongresi, Sivas, Turkey, 16 - 20 June 2009
- XIV. **Yeni Bir Yöntemle İndol ve Dihidrofuro[3,2-d]pirimidinon Türevlerinin Sentezi**
Koza G., Balcı M.
23. Ulusal Kimya Kongresi, Sivas, Turkey, 16 - 20 June 2009
- XV. **First synthesis of mycolic acids of Mycobacterium marinum containing a 3-methyl-trans-alkene unit**
Koza G., Baird M. S. , Al Dulayymi, J. R.
International Conference of Organic Chemistry, Erzurum, Turkey, 5 - 09 June 2007

Patent

Koza G., ADJUVANTS FOR USE IN VACCINATION, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Registration Number: US 8,728,515 B2 , Standard Registration, 2014

Koza G., COMPOUNDS FOR USE IN THERAPY, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Registration Number: US 8,889,894 B2 , Standard Registration, 2014

Koza G., ADJUVANTS FOR USE IN VACCINATION - 2, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Registration Number: US 2011/0142916 A1 , Standard Registration, 2011

Koza G., COMPOUNDS FOR USE IN THERAPY - 2, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Registration Number: US 2011/0150981 A1 , Standard Registration, 2011

Koza G., ADJUVANTS FOR USE IN VACCINATION - 3, Patent, CHAPTER C Chemistry; Metallurgy, The Invention
Registration Number: WO 2009/130508 A1 , Standard Registration, 2009

Koza G., COMPOUNDS FOR USE IN THERAPY - 3, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Registration
Number: WO 2009/130506 A2 , Standard Registration, 2009

Scientific Refereeing

Project Supported by Higher Education Institutions, BAP Research Project, Bolu Abant İzzet Baysal Üniversitesi, Turkey, May 2022

Project Supported by Higher Education Institutions, BAP Research Project, Sakarya Üniversitesi, Turkey, May 2022

Project Supported by Higher Education Institutions, BAP Research Project, Kırşehir Ahi Evran Üniversitesi, Turkey, April 2022

Project Supported by Higher Education Institutions, BAP Research Project, Balıkesir Üniversitesi, Turkey, March 2022

Citations

Total Citations (WOS):284

h-index (WOS):10