

Prof. GANI KOZA

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAI-3325-2021

ScopusID: 26664743800

Yoksis Researcher ID: 106941

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-EDEBİYAT FAKÜLTESİ, 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-EDEBİYAT FAKÜLTESİ, KİMYA, 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-EDEBİYAT FAKÜLTESİ, KİMYA, 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

STRUCTURE DETERMINATION BY NMR SPECTROSCOPY, Postgraduate, 2021 - 2022

General Chemistry, Undergraduate, 2021 - 2022

NUCLEAR MAGNETIC RESONANCE SPECTROSCOPY IN ORGANIC STRUCTURE IDENTIFICATION, Doctorate, 2020 - 2021

CHEMISTRY OF ADVANCED HETEROCYCLE COMPOUNDS, Postgraduate, 2021 - 2022

Scientific English, Undergraduate, 2021 - 2022

RECENT APPROACHES TO THE SYNTHESIS OF HETEROCYCLIC COMPOUNDS, Doctorate, 2021 - 2022

NMR spectroscopy in Organic Chemistry, Undergraduate, 2021 - 2022

Kimyacılar İçin Teknik İngilizce, Undergraduate, 2019 - 2020

Organik Kimyada Yükseltgenme Mekanizmaları, Doctorate, 2020 - 2021

Organik Kimya I, Undergraduate, 2020 - 2021

Organik Kimya, Undergraduate, 2019 - 2020

General Chemistry Laboratory II, Undergraduate, 2019 - 2020

General Chemistry, Undergraduate, 2020 - 2021

General Chemistry Laboratory I, Undergraduate, 2019 - 2020

Organik Kimyada Reaktif Ara Ürünler, Postgraduate, 2019 - 2020

Advising Theses

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

Jury Memberships

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Hitit Üniversitesi, August, 2023

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, University of Engineering and Technology, February, 2023

Appointment to Academic Staff-Professorship, Appointment Academic Staff, Kirşehir Ahi Evran Üniversitesi, October, 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- III. **Synthesis of Furo[2,3-d]pyridazin-4(5H)-one and Its N(5)-Substituted Derivatives**
Karahani E., Koza G., Balci M.
HELVETICA CHIMICA ACTA, vol.97, pp.1487-1496, 2014 (SCI-Expanded)

- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- XV. **The first synthesis of single enantiomers of ketomycolic acids**
Koza G., Baird M. S.
TETRAHEDRON LETTERS, vol.48, pp.2165-2169, 2007 (SCI-Expanded)
- 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 (SCI-Expanded)

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 alkynones with 2-mercaptoacetaldehyde under metal-free conditions

Koza G., Kılıç K., Vatanserver E. C., Özer M. S., Mengeş N., Balcı 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

Karahan 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

Karahan 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

Journal of Innovative Science and Engineering (JISE), National Scientific Refreed Journal, August 2023

Project Supported by Higher Education Institutions, BAP Research Project, Hitit University, Turkey, August 2023

Project Supported by Higher Education Institutions, BAP Research Project, Ataturk University, Turkey, June 2023

Journal of the Institute of Science and Technology, National Scientific Refreed Journal, September 2022

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

Metrics

Publication: 33

Citation (WoS): 295

Citation (Scopus): 309

H-Index (WoS): 11

H-Index (Scopus): 11

Non Academic Experience

Abant İzzet Baysal Üniversitesi