

## Prof. GANI KOZA

### Personal Information

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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, Kırşehir Ahi Evran University, Faculty Of Arts And Sciences, 2011 - 2018

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

## Courses

### Doctorate

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

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

Organik Kimyada Yükseltgenme Mekanizmaları, Doctorate, 2020 - 2021

### Postgraduate

STRUCTURE DETERMINATION BY NMR SPECTROSCOPY, Postgraduate, 2021 - 2022

CHEMISTRY OF ADVANCED HETEROCYCLE COMPOUNDS, Postgraduate, 2021 - 2022

Organik Kimyada Reaktif Ara Ürünler, Postgraduate, 2019 - 2020

### Undergraduate

General Chemistry, Undergraduate, 2021 - 2022

Scientific English, Undergraduate, 2021 - 2022

NMR spectroscopy in Organic Chemistry, Undergraduate, 2021 - 2022

Kimyacılar İçin Teknik İngilizce, Undergraduate, 2019 - 2020

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

## Supervised Theses

KOZA G., 2,3-disubstitüe 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, Kırşehir 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**  
Karahan 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

- 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

## Papers Published in Refereed Scientific Meetings

- 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 alkyones with 2-mercaptoacetaldehyde under metal-free conditions**  
Koza G., Kılıç K., Vatansever 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**  
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., Karahana 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-foro[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

## Peer Reviews in Scientific Publications

Journal of Innovative Science and Engineering (JISE), National Scientific Refreed Journal, August 2023  
Journal of the Institute of Science and Technology, National Scientific Refreed Journal, September 2022

## Scientific Project Refereeing

Project Supported by Higher Education Institutions, BAP Research Project, August 2023  
Project Supported by Higher Education Institutions, BAP Research Project, June 2023  
Project Supported by Higher Education Institutions, BAP Research Project, May 2022  
Project Supported by Higher Education Institutions, BAP Research Project, May 2022  
Project Supported by Higher Education Institutions, BAP Research Project, April 2022  
Project Supported by Higher Education Institutions, BAP Research Project, 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, Araştırma Görevlisi