

Prof. Yunus KARA

Personal Information

Fax Phone: [+90 442 231 4109](tel:+904422314109)

Web: <https://avesis.atauni.edu.tr/yukara>

Address: Atatürk Üniversitesi Fen Fakültesi Kimya Bölümü 25240 Yakutiye Erzurum

International Researcher IDs

ScholarID: s1v1dVQAAAAJ

ORCID: 0000-0001-7552-9425

Yoksis Researcher ID: 6192

Education Information

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Kimya Organik Kimya, Turkey 1987 - 1993

Postgraduate, Ataturk University, Fen Bilimleri Enstitüsü, Kimya Organik Kimya, Turkey 1985 - 1987

Undergraduate, Ataturk University, Fen Fakültesi, Turkey 1981 - 1985

Foreign Languages

English, B1 Intermediate

Dissertations

Doctorate, Bis- Homo-Conduritollerin Sentezi, Atatürk Üniversitesi, Fen Fakültesi, Kimya Organik Kimya, 1993

Postgraduate, 1,6-Methano[10]annulen-2,5-dikinonun Diels-Alder katılma reaksiyonları , Atatürk Üniversitesi, Fen Fakültesi, Kimya Organik Kimya, 1987

Research Areas

Chemistry, Organic Chemistry, Chemistry of Asymmetric Synthesis, Chemistry of Natural Products, Chemistry of Heterocyclic Compounds, Chemistry of Hydrocarbons, Organometallics, Natural Sciences

Academic Titles / Tasks

Professor, Ataturk University, Fen Fakültesi, Kimya, 1986 - Continues

Academic and Administrative Experience

Atatürk Üniversitesi, Eczacılık Fakültesi, 2003 - 2009

Director Of Junior College, Ataturk University, 2001 - 2003

Courses

İleri Organik Kimya, Postgraduate, 2006 - 2007

Published journal articles indexed by SCI, SSCI, and AHCI

- I. A unique synthesis of N-(Z)-5-bromo-6-hydroxyhexahydro isobenzofuran-1(3H)-ylidene)methanaminium bromide
Gündoğdu Ö., ŞAHİN E., KARA Y.
Chemical Papers, vol.78, no.2, pp.1347-1352, 2024 (SCI-Expanded)
- II. Synthesis, cytotoxicity, and antibacterial studies of 2,4,5,6-substituted hexahydro-1H-isoindole-1,3(2H)-dione
Yetişkin E., Gündoğdu Ö., Mete D., Çelebioğlu N., KARA Y., Şanlı-Mohamed G.
Chemical Biology and Drug Design, vol.102, no.6, pp.1448-1457, 2023 (SCI-Expanded)
- III. Investigation of cytotoxic properties of some isoindole-related compounds bearing silyl and azide groups with in vitro and in silico studies
Tan A., Köse A., Mete D., Şanlı-Mohamed G., KİSHALI N. F., KARA Y.
Phosphorus, Sulfur and Silicon and the Related Elements, vol.198, no.11, pp.933-942, 2023 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. THE REACTION OF CHLOROSULFONYL ISOCYANATE WITH 2-PHENYL3a,4,7a-TETRAHYDRO-1H-ISOINDOLE-1,3(2H)-DIONE AND N- PHENYLMALEIMIDE UNDER SOLVENT FREE CONDITION
KÖSE A., KARA Y.
2. INTERNATIONAL BAKU SCIENTIFIC RESEARCHES CONFERENCE, Baku, Azerbaijan, 28 - 30 April 2021
- II. 2,3-EPOKSİ ALKOL BİLEŞİKLERİİNİN ANTİ-KANSER AKTİVİTELƏRİNİN DEĞERLENDİRİLMESİ
Yetişkin E., Gündoğdu Ö., Mete D., Çelebioğlu N., Şanlı Mohamed G., Kara Y.
9. International Drug Chemistry Conference, Antalya, Turkey, 8 - 11 April 2021
- III. A Novel Synthesis of (2S)-3-(2,4,5-trifluorophenyl)propane-1,2-diol by Sharpless Asymmetric Epoxidation Method
ANİL D., KARA Y., ALTUNDAŞ R.
7.ilac kimyası kongresi, 14 - 17 March 2019
- IV. Bazı Isoindol-1,3-Dion Türevlerinin Ksantin Oksidaz Enzim İnhibisyonu,
Gündoğdu Ö., KİSHALI N., KARA Y., SAMİR ABBAS ALİ N., ATEŞ B.
Uluslararası Katılımlı 6. İlaç Kongresi, 22 - 25 March 2018
- V. γ -Lactone Synthesis-Fused N-Substituted Norcantharimide
TAN A., KİSHALI N., KARA Y.
The International Conference on Applications in Chemistry and Chemical Engineering (ICACCHE), 11 - 15 October 2017
- VI. Synthesis of Bromosubstituted Isoindole-1,3-dione Derivatives:Bromination of (3aS,5S,7aR)-5-hydroxy-2- alkyl/aryl -3a,4,5,7a-tetrahydro-1H-isoindole-1,3(2H)-dione
TAN A., KARA Y.
The International Conference on Applications in Chemistry and Chemical Engineering (ICACCHE), 11 - 15 October 2017
- VII. Synthesis of Sensiline and its Aromatic Derivatives
KİSHALI N., GÜNDÖĞDU Ö., KARA Y.
3 rd International Multidisciplinary Symposium on Drug Research and Development - DRD 2017, Turkey, 5 - 07 October 2017
- VIII. Unusual Reaction of (3aR,7aS)-2-ethyl-3a,4,7,7a-tetrahydro-1H-isoindole- 1,3(2H)-Dione and

- Chlorosulfonylisocyanate (CSI)**
KÖSE A., BOZKAYA U., ŞAHİN E., KARA Y.
2nd International Conference on Advances in Natural and Applied Sciences, 18 - 21 April 2017
- IX. Synthesis of Isoindole-1,3-dione Derivatives and Investigation of Their Activities on Tyrosine Kinase Enzyme**
ŞANLI MOHAMED G., KÖSE A., KARA Y., KİSHALI N., KAYA M.
5. Congress of Drug Chemistry, 30 March - 02 April 2017
- X. Florosubstitue Benzoil Propiyonik Asit Türevlerinin Sentezi**
GÜNDÖĞDU Ö., AYDIN P., KÖSE A., ALTUNDAŞ R., KARA Y.
Uluslararası Katılımlı 5. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, 30 March - 02 April 2017
- XI. 5-Karboksilik Asit-Isoindole-1,3-Dion Birimi İçeren Sessiline Türevlerinin Sentezi**
GÜNDÖĞDU Ö., KİSHALI N., KARA Y.
Uluslararası Katılımlı 5. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, Turkey, 30 March - 02 April 2017
- XII. Isoindol-1,3-dion Türevlerinin Sentezi ve Tirozin Kinaz Enzimi Üzerine Aktivitelerinin İncelenmesi**
KÖSE A., KAYA M., KİSHALI N., ŞANLI MOHAMED G., KARA Y.
Uluslararası Katılımlı 5. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, Turkey, 30 March - 02 April 2017
- XIII. Bazı Isoindol-1,3-Dion Türevlerinin Anti-Kanser Aktivitelerinin İncelenmesi**
KİSHALI N., TAN A., YAĞLIOĞLU A. Ş., DEMİRTAŞ İ., KARA Y.
Uluslararası Katılımlı 5. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, Turkey, 30 March - 02 April 2017
- XIV. Investigation of Anticancer Properties of the Novel Synthesized Pyrrole Derivatives as Potential Tyrosine Kinase Inhibitors**
ŞANLI MOHAMED G., Kaya M., KÖSE A., KARA Y.
II. Congress of Life Sciences, 2 - 03 February 2017
- XV. Investigation Photophysical Properties of 5 Aminophthalimide Derivatives in a Nonpolar Solvent**
TAN A., BOZKURT E., KİSHALI N., KARA Y.
International turkic world conference on chemical sciences and technologies, 26 October 2015 - 30 October 2016
- XVI. Investigation Photophysical Properties of 5 Aminophthalimide Derivatives in a Nonpolar Solvent**
TAN A., BOZKURT E., KİSHALI N., KARA Y.
2nd INTERNATIONAL TURKIC WORLD CONFERENCE ON CHEMICAL SCIENCES AND TECHNOLOGIES, 26 - 30 October 2016
- XVII. Synthesis of New Aminoftalimide Derivatives and Investigation of Solvent Effects on Photophysical Properties**
BOZKURT E., TAN A., KARA Y.
2st International Turkic World Conference on Chemical Sciences and Technologies, Üsküp, Macedonia, 26 - 30 October 2016, pp.196
- XVIII. Synthesis of New Aminoftalimide Derivatives and Investigation of Solvent Effects on Photophysical Properties**
BOZKURT E., TAN A., KARA Y.
2st International Turkic World Conference on Chemical Sciences and Technologies, Üsküp, Macedonia, 26 - 30 October 2016, pp.196
- XIX. Synthesis of aroil & alanine derivatives from S homoserine lactone**
Gündoğdu Ö., Aydin P., ALTUNDAŞ R., KARA Y.
Anatolian Conference on Synthetic Organic Chemistry, 21 - 24 March 2016
- XX. Synthesis of 2 aryltetrahydrofuran derivatives from Grignard reagents via cross coupling reactions**
Gündoğdu Ö., ALTUNDAŞ R., KARA Y.
Anatolian Conference on Synthetic Organic Chemistry, 21 - 24 March 2016
- XXI. Synthesis of new sessiline derivatives from bicyclic imides**

- KİŞHALI N., Gündoğdu Ö., KARA Y.
Anatolian Conference on Synthetic Organic Chemistry (ACSOC-II), Aydın, Turkey, 21 - 24 March 2016
- XXII. **Asymmetric Synthesis of and Amino acid Derivatives**
Gündoğdu Ö., Aydın P., ALTUNDAŞ R., KARA Y.
Anatolian Conference on Synthetic Organic Chemistry, 16 - 19 March 2015
- XXIII. **A Facile and Efficient Synthesis of Lactam fused Cantharimide derivatives**
KÖSE A., KARA Y.
TRAMECH VIII, 3 - 07 November 2015
- XXIV. **Synthesis of novel norcantharimide derivatives**
KÖSE A., KİŞHALI N., ŞANLI MOHAMED G., KARA Y.
71st SWRM/67th SERMACS, 4 - 07 November 2015
- XXV. **Synthesis Of 5 5 Oxo Pyrrolidin 2 yloxymethyl Furan 2 Carbaldehyde Derivatives**
KİŞHALI N., Gündoğdu Ö., AYDIN P., KARA Y.
1st International Turkic World Conference on Chemical Sciences and Technologies, SARAYBOSNA, Bosnia And Herzegovina, 27 October - 01 November 2015, pp.232
- XXVI. **Evaluation of cytotoxicity of New cantharimide derivatives on human colon cancer cell line HT 29**
KILIÇ SÜLOĞLU A., Kanat O. N., GİRGİN G., KARA Y., SELMANOĞLU G., BAYDAR T.
EUROTOX 2015, 13 - 16 September 2015, vol.238
- XXVII. **Synthesis of new norcantharimide analogues and their anticancer evaluation**
KÖSE A., Bal Y., Nurhan H K., ŞANLI MOHAMED G., KARA Y.
Anatolian Conference on synthetic organic Chemistry, 16 - 19 March 2015
- XXVIII. **Sitagliptinin (JanuviaTM) Yapısını Oluşturan β-Amino Asitin Alternatif Bir Yöntemle Sentezi**
KÖSE A., GÜNDÖĞDU Ö., AKTAŞ D., FİSTİKÇİ EŞSİZ M., SEÇEN H., ALTUNDAŞ R., KARA Y.
2. İlaç Kimyası, Üretimi, Teknolojisi ve Standardizasyonu Kongresi, Turkey, 21 - 23 March 2014
- XXIX. **Sitagliptin'in (Januvia®) Asimetrik Sentezi**
GÜNDÖĞDU Ö., AKTAŞ D., FİSTİKÇİ EŞSİZ M., SEÇEN H., KARA Y.
Sitagliptin'in (Januvia®) Asimetrik Sentezi, Turkey, 29 - 31 March 2013
- XXX. **Sitagliptin in Januvia Ana İskelетini Oluşturan Hidroksi Asit in Asimetrik Sentezi**
AKTAŞ D., GÜNDÖĞDU Ö., FİSTİKÇİ EŞSİZ M., SEÇEN H., ALTUNDAŞ R., KARA Y.
1. İlaç Kimyası, Üretimi, Teknolojisi ve Standardizasyonu Kongresi, Antalya, Turkey, 29 - 31 March 2013
- XXXI. **Enantioselective synthesis of R and S b hydroxyphenylbutanoic acids Main unit of sitagliptin Januvia**
AKTAŞ D., FİSTİKÇİ EŞSİZ M., KARA Y., ALTUNDAŞ R., SEÇEN H., GÜNDÖĞDU Ö.
Conference: 244th National Fall Meeting of the American-Chemical-Society (ACS) Location: Philadelphia, Philadelphia, United States Of America, 19 - 22 August 2012
- XXXII. **Enantioselective synthesis of (R)- and (S)-b-hydroxyphenylbutanoic acids: Main unit of sitagliptin (Januvia)**
Altundas R., KARA Y., SEÇEN H., AKTAS D., GUNDOGDU O., FISTIKCI M.
244th National Fall Meeting of the American-Chemical-Society (ACS), Pennsylvania, United States Of America, 19 - 23 August 2012, vol.244
- XXXIII. **Kiral Aminoalkoller ve Diaminlerin Sentezi: Aldehidlerin Asimetrik Alkilasyonu**
KILIÇ H., KARA Y., Şahin E.
XXIII. Ulusal Kimya Kongresi, Sivas, Turkey, 16 - 20 June 2009, pp.8
- XXXIV. **Kiral Aminoalkoller ve Diaminlerin Sentezi: Aldehidlerin Asimetrik Alkilasyonu**
KILIÇ H., KARA Y., Şahin E.
XXIII. Ulusal Kimya Kongresi, Sivas, Turkey, 16 - 20 June 2009, pp.8
- XXXV. **An Efficient Synthesis of (R)-Gabob from (R)-Ethyl 4-Chloro-3-Hydroxy Butanoate and (±)-Gabob from Methyl-Chloro-3-Oxo-Butyrate**
Şahin E., Kışhalı N., Kelebekli L., Mete E., Seçen H., Altundaş R., Kara Y.
International Conference on Medicinal Chemistry, Lille, France, 4 - 06 July 2007
- XXXVI. **Epoxidation of ?-hydroxy-?,? -unsaturated enones: Electronic effects in stereoselectivity**
KILIÇ H., KARA Y., Şahin E.

- International Conference on Organic Chemistry, Erzurum, Turkey, 5 - 09 June 2007, pp.202
- XXXVII. **Epoxidation of g-hydroxy-a,b-unsaturated enones: Electronic effects in stereoselectivity**
Kılıç H., Kara Y., Şahin E.
International Conference on Organic Chemistry, Erzurum, Turkey, 5 - 09 June 2007, pp.202
- XXXVIII. **Homo Amino Conduritol Türevlerinin Sentezi**
KELEBEKLİ L., ÇELİK M., KARA Y., Balci M.
XVIII: Ulusal Kimya Kongresi, Turkey, 5 - 09 July 2004
- XXXIX. **Bisiklik 2 3 Epoksi 1 4 Endoperoksitlerin fotokimyası**
KURBANOĞLU N. İ., AKBULUT N., KARA Y., SEÇEN H.
XI. Ulusal Kimya Kongresi, Turkey, 16 - 20 June 1997, pp.627
- XL. **Bisiklik 2 3 Epoksi 1 4 Endoperoksitlerin Fotokimyasal Düzenlenmesi**
Kurbanoglu İ., KARA Y., SEÇEN H., AKBULUT N.
1. Organik Kimya Lisansüstü Öğrenci Sempozyumu, Turkey, 6 - 09 June 1996
- XLI. **Endo ve exo-3,6,7-Trioxa-Trisiklo[3.2.2.0_{2,6,5}] nonanların farklıçözücler de yüksek sıcaklıkta termoliz reaksiyonları**
ÇELİK M., KARA Y., AKBULUT N., Balci M.
VII: Kimya ve Kimya Mühendisliği Sempozyumu KKTC, Turkey, 2 - 05 April 1991

Other Publications

- I. **"Cyclitols:Conduritols Aminoconduritols and Quercitol**
BALCI M., ÇELİK M., DEMİR E., ERTAŞ M., GÜLTEKİN M. S., ÖZTÜRK N., KARA Y., HORASAN-KİŞHALI N.
Presentation, pp.169-175, 2005
- II. **"Cyclitols:Conduritols Aminoconduritols and Quercitol**
BALCI M., ÇELİK M., DEMİR E., ERTAŞ M., GÜLTEKİN M. S., ÖZTÜRK N., KARA Y., HORASAN-KİŞHALI N.
Presentation, pp.169-175, 2005

Supported Projects

- KARA Y., KOSE A., KAYA M., KİŞHALI N., ŞANLI MOHAMED G., Project Supported by Higher Education Institutions, Potansiyel Anti Kanser Ajan Olan 5klor2AlkilAril13diokso233a457ahekzahidro1Hisoindol4il asetat ve 3aR4R7R7aS2AlkilAril13diokso233a477ahekzahidro1Hisoindol47diil diasetat türevlerinin sentezi II, 2021 - Continues
- AKBULUT N., MENZEK A., DAŞTAN A., EKİNCİ D., KILIÇ H., ÖZDEMİR H., KAZAZ C., SARAÇOĞLU N., ONGANER Y., ŞAHİN E., et al., Project Supported by Higher Education Institutions, Kimya Bölümünün Akademik Araştırma Potansiyelinin Geliştirilmesi, 2019 - 2021
- KARA Y., ŞANLI MOHAMED G., KİŞHALI N., KAYA M., KÖSE A., Project Supported by Higher Education Institutions, Potansiyel Antikanser Etkili Isoindol-1,3-dion Türevi Yeni Bileşikler ve Bu Bileşiklerin Sentez Yöntemi, 2017 - 2021
- KARA Y., KİŞHALI N., KÖSE A., ŞANLI MOHAMED G., Project Supported by Higher Education Institutions, Potansiyel ilaç etken maddesi olabilecek isoindol13dion türevlerinin enzim inhibisyonunun araştırılması ve antikanser etkilerinin deney hayvanlarında incelenmesi, 2018 - 2020
- KİŞHALI N., AKBULUT N., KARA Y., SARAÇOĞLU N., MARAŞ A., ÇAKICI M., Project Supported by Higher Education Institutions, Uluslararası Katılımlı 4. Organik Kimya Kongresi (OrgChemTR-4), 2018 - 2018
- ÇAKICI M., DAŞTAN A., MENZEK A., GÖKSU S., MARAŞ A., ANIL B., KILIÇ H., KİŞHALI N., BOZDEMİR Ö. A., KARA Y., et al., Project Supported by Higher Education Institutions, Nükleer Manyetik Rezonans (NMR) Cihazının Bakım ve Onarımı, 2018 - 2018
- KARA Y., TUBITAK Project, Kinürenin ve Bazı β -Amino asit türevlerinin Asimetrik Sentezi, 2015 - 2016
- KARA Y., Project Supported by Higher Education Institutions, YENİ NORKANTARİMİT VE İZOİNDOLİN-1,3-DİON TÜREVLERİNİN SENTEZİ, 2013 - 2014
- KARA Y., KİŞHALI N., Project Supported by Higher Education Institutions, ORGANİK KİMYA ARAŞTIRMA

Patent

KİŞHALI N., KARA Y., Potansiyel Antikanser Etkili Isoindol-1,3-dion Türevi Yeni Bileşikler ve Bu Bileşiklerin Sentez Yöntemi, Patent, CHAPTER C Chemistry; Metallurgy, 2018

Scientific Refereeing

Project Supported by Other Official Institutions, Ataturk University, Turkey, November 2021

Project Supported by Other Official Institutions, Ataturk University, Turkey, November 2021

Project Supported by Other Official Institutions, Ataturk University, Turkey, November 2021

TUBITAK Project, 1002 - Quick Support Program, Ataturk University, Turkey, March 2021

Metrics

Publication: 90

Citation (WoS): 226

Citation (Scopus): 239

H-Index (WoS): 10

H-Index (Scopus): 10

Non Academic Experience

Atatürk Üniversitesi