Prof. İRFAN KOCA

Personal Information

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Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 2003 - 2008
Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Kimya (Yl) (Tezli), Turkey 1999 - 2003
Undergraduate, Marmara University, Ataturk Faculty Of Education, Mathematics And Science Education, Turkey 1995 - 1999

Research Areas

Chemistry

Academic Titles / Tasks

Professor, Yozgat Bozok University, Fen-Edebiyat Fakültesi, Kimya, 2020 - Continues
Associate Professor, Yozgat Bozok University, Fen-Edebiyat Fakültesi, Kimya, 2015 - 2020
Assistant Professor, Yozgat Bozok University, Fen-Edebiyat Fakültesi, Kimya, 2008 - 2015
Research Assistant, Yozgat Bozok University, Fen-Edebiyat Fakültesi, Kimya, 2006 - 2008
Research Assistant, Erciyes University, Yozgat Fen-Edebiyat Fakültesi, Kimya Pr., 2001 - 2006

Courses

AROMATİK BİLEŞİKLER, Postgraduate, 2015 - 2016
KARBONİL KİMYASI, Postgraduate, 2015 - 2016, 2012 - 2013
ORGANİK REAKSİYON MEKANİZMALARI, Undergraduate, 2015 - 2016, 2012 - 2013
GENEL KİMYA, Undergraduate, 2015 - 2016
ORGANİK KİMYADA YÜKSELTGENME VE İND. REAKSİYONLARI, Postgraduate, 2015 - 2016
KİMYA, Undergraduate, 2015 - 2016, 2012 - 2013
İleri Organik Kimya I , Postgraduate, 2012 - 2013
Aromatik Bileşikler, Undergraduate, 2012 - 2013
Organik Kimya Lab I, Undergraduate, 2012 - 2013

Advising Theses

KOCA İ., Pirazol ve kumarin yapılarını içeren yeni hibrit moleküllerin sentezi ve karakterizasyonu, Postgraduate, Y.ÖZER(Student), 2018
KOCA İ., Pirimidinil açiltiyoüre bileşiklerinin sentezi ve karakterizasyonu, Postgraduate, M.ER(Student), 2017
KOCA İ., Multifonksiyonel yeni heterosiklik bileşiklerin sentezi, Postgraduate, A.YALKIN(Student), 2017
KOCA İ., Antikanser aktivite göstermesi beklenen tiyazol halkası içeren ikili heterosiklik bileşiklerin sentezi ve yapılarının aydınlatılması, Doctorate, M.GÜMÜŞ(Student), 2016
KOCA İ., Pirazol bileşikleri üzerinden yeni sentez çalışmaları, Postgraduate, V.KAMACI(Student), 2016
KOCA İ., Pirazol içeren yeni açil tiyoüre bileşiklerinin sentezi ve karakterizasyonu, Postgraduate, L.GÖKBAŞ(Student), 2014
KOCA İ., Yeni perinon türevi boyarmaddelerin sentezi ve karakterizasyonu, Postgraduate, Y.ORUÇ(Student), 2013

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Hsp Inhibitor is Affective Against Adenocarcinomic Human Alveolar Basal Epithelial Cells Through Modulating ERK/MAPK Signaling Pathway**
Tunoğlu S., Tutar L., GÜMÜŞ M., Tunoğlu E. N. Y., KOCA İ., Tutar Y.
Chemistry and Biodiversity, vol.21, no.2, 2024 (SCI-Expanded)

II. **Deciphering the Biophysical Properties of Ion Channel Gating Pores by Coumarin–Benzodiazepine Hybrid Derivatives: Selective AMPA Receptor Antagonists**
Qneibi M., Hawash M., Gümüş M., Çapan İ., Sert Y., Bdir S., Koca İ., Bdair M.
MOLECULAR NEUROBIOLOGY, vol.10100712035023038711, pp.1-12, 2023 (SCI-Expanded)

III. **Synthesis of novel pyrazole-4-carboxylates by rearrangement reaction: Experimental and theoretical characterization**
Korkusuz E., SERT Y., ŞAHİN E., Yıldırım İ., KOCA İ.
Journal of Physics and Chemistry of Solids, vol.181, 2023 (SCI-Expanded)

IV. **Triad pyrazole–thiazole–coumarin heterocyclic core effectively inhibit HSP and drive cancer cells to apoptosis**
Gümüş M., Koca İ., Sert Y., Dişli A., Yenilmez Tunoğlu E. N., Tutar L., Tutar Y.
Journal of Biomolecular Structure and Dynamics, vol.41, no.23, pp.14382-14397, 2023 (SCI-Expanded)

V. **Synthesis, molecular docking, molecular dynamics and evaluation of Drug-Likeness properties of the fused N-Formyl pyrazoline substituted new dehydroepiandrosterone derivatives**
ÇAPAN İ., Shehu A., SERT Y., ÇELİK İ., EROL M., KOCA İ., Servi S.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, vol.41, no.6, pp.2492-2503, 2023 (SCI-Expanded)

VI. **Experimental and computational studies of 1,5-diphenyl-pyrazole-3-carboxamide compounds as potential Cannabinoid receptor type 1**
KOCA İ., YAKAN M., ÇAPAN İ., ŞAHİN E., SERT Y.
JOURNAL OF MOLECULAR STRUCTURE, vol.1264, 2022 (SCI-Expanded)

VII. **Utilization of pyrazole-perimidine hybrids bearing different substituents as corrosion inhibitors for 304 stainless steel in acidic media**
Ugus O., GÜMÜŞ M., SERT Y., KOCA İ., KOCA A.
JOURNAL OF MOLECULAR STRUCTURE, vol.1262, 2022 (SCI-Expanded)

VIII. **Synthesis, DFT study, molecular docking and drug-likeness analysis of the heteroaryl substituted new pregnenolone derivatives**
ÇAPAN İ., SERT Y., Shehu A., KOCA İ., SERVİ S.
JOURNAL OF MOLECULAR STRUCTURE, vol.1260, 2022 (SCI-Expanded)

IX. **Pyrazolyl-Benzoxazinone Derivatives as Dual Hsp Inhibitors in Human Breast Cancer**
KOCA İ., Kamaci V., ÖZSOY C., SERT Y., Kani I., Tutar L., Tutar Y.
CHEMISTRYSELECT, vol.7, no.19, 2022 (SCI-Expanded)

X. **Discovery of sulfadrug-pyrrole conjugates as carbonic anhydrase and acetylcholinesterase inhibitors**

Gümüş M., Babacan S. N., Demir Y., Sert Y., Koca İ., Gülçin İ.
ARCHIV DER PHARMAZIE, vol.355, no.1, 2022 (SCI-Expanded)

XI. **Designing specific hsp70 substrate binding domain inhibitor for perturbing protein folding pathways to inhibit cancer mechanism**
Coskun K. A., KOCA İ., GÜMÜŞ M., TUTAR Y.
Anti-Cancer Agents in Medicinal Chemistry, vol.21, no.11, pp.1472-1480, 2021 (SCI-Expanded)

XII. **Enamines and Dimethylamino Imines as Building Blocks in Heterocyclic Synthesis: Reactions of DMF-DMA Reagent with Different Functional Groups**
GÜMÜŞ M., KOCA İ.
CHEMISTRYSELECT, vol.5, no.40, pp.12377-12397, 2020 (SCI-Expanded)

XIII. **Design, Synthesis and Cytotoxic Activities of Pyrazole-Perimidine Hybrids**
GÜMÜŞ M., Gumus N., EROĞLU H. E., KOCA İ.
CHEMISTRYSELECT, vol.5, no.20, pp.5916-5921, 2020 (SCI-Expanded)

XIV. **A new series of sulfa drugs containing pyrazolyl acylthiourea moiety: Synthesis, experimental and theoretical spectral characterization and molecular docking studies**
KOCA İ., Yigitcan S., GÜMÜŞ M., GÖKCE H., SERT Y.
JOURNAL OF MOLECULAR STRUCTURE, vol.1204, 2020 (SCI-Expanded)

XV. **Recent advances of thiazole hybrids in biological applications**
GÜMÜŞ M., YAKAN M., KOCA İ.
FUTURE MEDICINAL CHEMISTRY, vol.11, no.15, pp.1979-1998, 2019 (SCI-Expanded)

XVI. **Synthesis, Experimental and Theoretical Characterization of Novel Pyrimidine-5-Carboxamides**
GÜMÜŞ M., SERT Y., Yalkin A., GÖKCE H., KOCA İ.
CHEMISTRYSELECT, vol.4, no.16, pp.4695-4708, 2019 (SCI-Expanded)

XVII. **Molecular docking, Hirshfeld surface, structural, spectroscopic, electronic, NLO and thermodynamic analyses on novel hybrid compounds containing pyrazole and coumarin cores**
SERT Y., GÜMÜŞ M., GÖKCE H., KANİ İ., KOCA İ.
JOURNAL OF MOLECULAR STRUCTURE, vol.1171, pp.850-866, 2018 (SCI-Expanded)

XVIII. **Spectroscopic (FT-IR, Laser-Raman and NMR) and conformational analysis on novel pyrazole beta-keto ester compound**
GÜMÜŞ M., SERT Y., Ozdemir S., GÖKCE H., KANİ İ., KOCA İ.
JOURNAL OF MOLECULAR STRUCTURE, vol.1167, pp.280-293, 2018 (SCI-Expanded)

XIX. **Spectroscopic investigation of 2-(4-benzoyl-1,5-diphenyl-1H- pyrazol-3-yl)-4H-naphto[2,3-d][1,3] oxazin-4-one molecule**
SERT Y., GÜMÜŞ M., Kamaci V., GÖKCE H., KANİ İ., KOCA İ.
JOURNAL OF THEORETICAL & COMPUTATIONAL CHEMISTRY, vol.16, no.5, 2017 (SCI-Expanded)

XX. **Dye ingredients and energy conversion efficiency at natural dye sensitized solar cells**
ÖZBAY KARAKUŞ M., KOCA İ., Er O., ÇETİN H.
OPTICAL MATERIALS, vol.66, pp.552-558, 2017 (SCI-Expanded)

XXI. **Design and synthesis of pyrimidinyl acyl thioureas as novel Hsp90 inhibitors in invasive ductal breast cancer and its bone metastasis**
KOCA İ., Ozgur A., Er M., GÜMÜŞ M., Coskun K. A., TUTAR Y.
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.122, pp.280-290, 2016 (SCI-Expanded)

XXII. **Design, Synthesis, and Evaluation of Heat Shock Protein 90 Inhibitors in Human Breast Cancer and Its Metastasis**
GÜMÜŞ M., Ozgur A., Tutar L., DİŞLİ A., KOCA İ., TUTAR Y.
CURRENT PHARMACEUTICAL BIOTECHNOLOGY, vol.17, no.14, pp.1231-1245, 2016 (SCI-Expanded)

XXIII. **ONE-POT SYNTHESIS OF PYRAZOLE RING ATTACHED NOVEL THIOSEMICARBAZONE DERIVATIVES**
KOCA İ., GÜMÜŞ M., Gokbas L., Er M.
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.190, no.9, pp.1489-1497, 2015 (SCI-Expanded)

XXIV. **Acyl Thiourea Derivatives Containing Pyrazole Ring Selective Targeting of Human Aurora Kinases in**

Breast and Bone Cancer
Ozgur A., Yenidunya E., KOCA İ., TUTAR Y.
LETTERS IN DRUG DESIGN & DISCOVERY, vol.12, no.3, pp.180-189, 2015 (SCI-Expanded)

XXV. **A Novel Approach to Inhibit Heat Shock Response as Anticancer Strategy by Coumarine Compounds Containing Thiazole Skeleton**
KOCA İ., GÜMÜŞ M., Ozgur A., DİŞLİ A., TUTAR Y.
ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY, vol.15, no.7, pp.916-930, 2015 (SCI-Expanded)

XXVI. **Synthesis, spectroscopic and theoretical studies of ethyl (2E)-3-amino-2-({[(4-benzoyl-1,5-diphenyl-1H-pyrazol-3-yl)carbonyl]amino}carbonothioyl)but-2-enoate butanol solvate**
KOCA İ., SERT Y., GÜMÜŞ M., KANİ İ., ÇIRAK Ç.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.118, pp.816-827, 2014 (SCI-Expanded)

XXVII. **Synthesis and Structural Characterization of Pyrrole Heterocyclic Systems Bearing Amino Acid Units: Novel Pyrrol-3-ones, Pyrrolo[1,2-a][3,1]benzoxazines, and Pyrrolo[2,1-b][1,3]oxazoles**
KOCA İ., SAÇMACI M., YILMAZ F., ÜNGÖREN Ş. H.
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.51, no.1, pp.212-218, 2014 (SCI-Expanded)

XXVIII. **Synthesis of pyrazine-2,3-dicarbonitrile and 1,2,4-triazine-5(4H)-one derivatives from furan-2,3-diones**
ÜNGÖREN Ş. H., Dilekoglu E., KOCA İ.
CHINESE CHEMICAL LETTERS, vol.24, no.12, pp.1130-1133, 2013 (SCI-Expanded)

XXIX. **Synthesis and anticancer activity of acyl thioureas bearing pyrazole moiety**
KOCA İ., Ozgur A., Coskun K. A., TUTAR Y.
BIOORGANIC & MEDICINAL CHEMISTRY, vol.21, no.13, pp.3859-3865, 2013 (SCI-Expanded)

XXX. **The synthesis of new pyrrolo[1,2-a]perimidin-10-one dyes via two convenient routes and its characterizations**
KOCA İ., ÜNGÖREN Ş. H., KIBRIZ İ. E., YILMAZ F.
DYES AND PIGMENTS, vol.95, no.2, pp.421-426, 2012 (SCI-Expanded)

XXXI. **In vitro cytotoxic potential of newly synthesized furo[3,2-c]pyran-4-one derivatives in cultured human lymphocytes**
EROĞLU H. E., KOCA İ., YILDIRIM İ.
CYTOTECHNOLOGY, vol.63, no.4, pp.407-413, 2011 (SCI-Expanded)

XXXII. **Preparation of perinones via a novel multicomponent synthesis of isoindole scaffold**
ÜNGÖREN Ş. H., KOCA İ., YILMAZ F.
TETRAHEDRON, vol.67, no.30, pp.5409-5414, 2011 (SCI-Expanded)

XXXIII. **Experimental and DFT studies on a pyrimidine-thione derivative**
DİNÇER M., ÖZDEMİR N., KOCA İ., YILDIRIM İ.
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.66, 2010 (SCI-Expanded)

XXXIV. **Multicomponent Reactions of Furan-2,3-diones: Synthesis and Characterizations of Furo[3,2-c]pyran-4-ones**
KOCA İ., YILDIRIM İ., ŞAHİN E.
HELVETICA CHIMICA ACTA, vol.93, no.7, pp.1336-1343, 2010 (SCI-Expanded)

XXXV. **Methyl 2-methoxy-7-(4-methylbenzoyl)-4-oxo-6-p-tolyl-4H-furo[3,2-c]pyran-3-carboxylate: A combined experimental and theoretical investigation**
ÖZDEMİR N., DİNÇER M., KOCA İ., YILDIRIM İ., BÜYÜKGÜNGÖR O.
JOURNAL OF MOLECULAR MODELING, vol.15, no.10, pp.1193-1201, 2009 (SCI-Expanded)

XXXVI. **SYNTHESIS AND CHARACTERIZATION OF NOVEL PYRIMIDINE DERIVATIVES FROM 2,3-FURANDIONES**
KOCA İ., YILDIRIM İ.
HETEROCYCLIC COMMUNICATIONS, vol.15, no.5, pp.377-384, 2009 (SCI-Expanded)

XXXVII. **1-Methyl-5-(4-methylbenzoyl)-4-(4-methylphenyl)pyrimidine-2(1H)-thione**
Dincer M., KOCA İ., YILDIRIM İ., Ozdemir N.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.63, 2007 (SCI-Expanded)

XXXVIII. **Synthesis, characterization and some reactions of novel 4-aroyl-5-aryl-2,3-dihydro-2,3-furandiones**
Yildirim I., KOCA İ.
Kuwait Journal of Science and Engineering, vol.32, no.1, pp.49-60, 2005 (SCI-Expanded)

Articles Published in Other Journals

I. **Design, synthesis, molecular docking and biological evaluation of new carbazole derivatives as anticancer, and antioxidant agents**
Çapan İ., Hawash M., Jaradat N., Sert Y., Servi R., Koca İ.
BMC Chemistry, vol.17, no.1, 2023 (Scopus)

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

III. **Synthesis of novel salicylic acid-pyrrolone conjugates and investigation of their cytotoxic and genotoxic effects in Allium cepa root tip cells**
GÜMÜŞ M., CAN S., EROĞLU H. E., KOCA İ.
Organic Communications, vol.14, no.3, pp.280-293, 2021 (ESCI)

IV. **Cytotoxic and Genotoxic Effects of Sulfonamide-Aldehyde Derivative in Allium cepa Root Tip Cells**
EROĞLU H. E., Gümüş N., GÜMÜŞ M., Yağcı E., KOCA İ.
Düzce University Journal of Science & Technology, vol.9, pp.130-138, 2021 (Peer-Reviewed Journal)

V. **Synthesis, characterization and theoretical studies of novel sulfonamide-aldehydes derivatives having tautomeric forms**
GÜMÜŞ M., SERT Y., KOCA İ.
ORGANIC COMMUNICATIONS, vol.12, no.4, pp.176-187, 2019 (ESCI)

VI. **One-pot and multi-step syntheses of new 2-(4,5-dihydro-1H-pyrazol-1-yl) thiazole derivatives**
GÜMÜŞ M., DİŞLİ A., YAKAN M., Yigitcan S., KOCA İ.
ORGANIC COMMUNICATIONS, vol.11, no.2, pp.98-110, 2018 (ESCI)

VII. **Spectroscopic and structural study of the newly synthesizedpyrrolo[1,2-a] perimidin-10-one derivatives**
KOCA İ., BÖYÜKATA M., Cinakli S., Oruc Y., ÜNGÖREN Ş. H.
ORGANIC COMMUNICATIONS, vol.9, no.4, pp.108-118, 2016 (ESCI)

VIII. **Synthesis and in vitro cytotoxic effect of some novel 4H furo 3 2 c pyran 4 one derivatives**
KOCA İ., EROĞLU H. E., ŞAHİN E.
ORGANIC COMMUNICATIONS, vol.7, no.4, pp.106-113, 2014 (Scopus)

IX. **Synthesis and spectroscopic characterization of pyrrole 2 3 diones and their following reactions with 1 2 aromatic diamines**
KOCA İ., YILDIRIM İ.
Organic Communications, vol.5, no.3, pp.135-142, 2012 (Scopus)

Books & Book Chapters

I. **N-Heterocycles Having One and Two Nitrogen Atoms As Corrosion Inhibitors**
GÜMÜŞ M., ÇAPAN İ., KOCA İ.
in: Handbook of Heterocyclic Corrosion Inhibitors: Principles and Applications, Verma, Chandrabhan, Editor, CRC Press, pp.1-54, 2023

II. **Inhibition of Key Protein-Protein Interactions by Small Molecules for Cancer Drug Design**
ÖZGÜR A., TUTAR L., GÜMÜŞ M., KOCA İ., TUNOĞLU S., YENİLMEZ E. N., TUTAR Y.
in: Frontiers in Clinical Drug Research-Anti-Cancer Agents, Ur Rahman, Atta, Editor, Bentham Science Publishers,

pp.1-33, 2021

Refereed Congress / Symposium Publications in Proceedings

I. **Determination of anticancer properties of the compound 6,7-dimethyl-3-(2-(phenylamino)thiazol-5-yl)quinoxalin-2(1H)-one (7bd) for breast cancer**
GÜMÜŞ M., KOCA İ., TUTAR Y.
11. Uluslararası İlaç Kimyası Kongresi, Antalya, Turkey, 09 March 2023

II. **Synthesis and Characterization of Potential Biological Active Hybrid Molecules Containing Quinoxalinone and Thiazole Moieties**
GÜMÜŞ M., KOCA İ., TUTAR Y.
11. Uluslararası İlaç Kimyası Kongresi, Antalya, Turkey, 09 March 2023

III. **Synthesis and Anticancer Activity Studies of Sulfasalazine-like Bioactive Azo Compounds**
GÜMÜŞ M., KOCA İ., YENİLMEZ E. N., TUTAR Y.
11. Uluslararası İlaç Kimyası Kongresi, Antalya, Turkey, 09 March 2023

IV. **Yeni Salisilat Türevi Bileşiklerin Sentezi ve Antikanser Aktivite Çalışmaları**
KOCA İ., ÜNAL E., YENİLMEZ E. N., GÜMÜŞ M., TUTAR Y.
34. Ulusal Kimya Kongresi, Yalova, Turkey, 01 September 2022

V. **Synthesis, Characterization and Molecular Docking Studies of Novel Sulfadrugs-Pyrrole Conjugates**
GÜMÜŞ M., BABACAN Ş. N., SERT Y., KOCA İ.
4th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2021), Ankara, Turkey, 24 - 26 November 2021

VI. **Cytotoxic and Genotoxic Effects of Salicylic Acid Derivative in Allium cepa Root Tip Cells**
Can S., EROĞLU H. E., GÜMÜŞ M., KOCA İ.
USBIK 2021 Online International Congress On Natural Scinencess, Kayseri, Turkey, 26 - 28 February 2021

VII. **Synthesis And Characterization Of Hybrid Structured Salicylic Acid Derivatives**
GÜMÜŞ M., KOCA İ.
Black Sea Summit, 5th International Applied Science Congress, Rize, Turkey, 19 - 21 February 2021

VIII. **Experimental and theoretical characterization and molecular docking studies of novel sulfonamide derivatives**
KOCA İ., SERT Y., GÜMÜŞ M., Gökçe H.
8. International Drug Chemistry Conference, Antalya, Turkey, 4 - 07 March 2020

IX. **The Synthesis and Characterization of Potential Anticancer Agents Bearing Pyrazole and Benzo Diazepine Heterocyclic Structures**
GÜMÜŞ M., BABACAN Ş. N., KOCA İ.
8. International Drug Chemistry Conference, Antalya, Turkey, 27 February - 01 March 2020

X. **Pirazolil Açiltiyoüre Grubu İçeren Yeni Bir Dizi Sülfa İlacının Sentezi ve Karakterizasyonu**
KOCA İ., Yiğitcan S., GÜMÜŞ M.
2nd International Turkish World Engineering and Science Congress, Antalya, Turkey, 7 - 10 November 2019

XI. **The cytotoxic activities of pyrazole-perimidine hybrids**
GÜMÜŞ M., Gümüş N., EROĞLU H. E., KOCA İ.
5nd International Turkic World Conference on Chemical Sciences and Technologies (ITWCCST-V), Sakarya, Turkey, 25 - 29 October 2019

XII. **The Synthesis of Novel Azo Compounds Showed Tautomeric Properties and Containing Sulfonamide Group**
GÜMÜŞ M., KOCA İ.
5nd International Turkic World Conference on Chemical Sciences and Technologies (ITWCCST-V), Sakarya, Turkey, 25 - 29 October 2019

XIII. **Synthesis and Herbicidal Activities of New Cu(II) Complexes of Acylthiourea Derivatives**
Kıral T., YAKAN M., KOCA İ., Mamaş S., KARACAN N., Serim A. T.

İVEK BİO, Turkey, 26 - 28 November 2018

XIV. **AN OVERVIEW OF THE ADVANCED REACTIONS OF THE DMF-DMA REAGENT BY EXAMINING THE FUNCTIONAL GROUPS AND THE STRUCTURES OF TARGET MOLECULES**
GÜMÜŞ M., KOCA İ.
1. Uluslararası Iğdır Multi Disipliner Çalışmalar Kongresi, Iğdır, Turkey, 5 - 07 November 2018

XV. **Cytotoxic and genotoxic assessment of Ptc-11 using chromosomal behavior of root meristem in Hordeum vulgare**
EROĞLU H. E., gümüş n., KOCA İ., DİŞLİ A., GÜMÜŞ M.
1. Uluslararası Iğdır Multi Disipliner Çalışmalar Kongresi, Iğdır, Turkey, 5 - 07 November 2018

XVI. **Recent Developments on Biologically Active Thiazole-Hybrid Compounds**
GÜMÜŞ M., YAKAN M., KOCA İ.
4th Organic Chemistry Congress with International Participation (OrgChemTR-4), Antalya, Turkey, 4 - 07 October 2018

XVII. **Elucidation of Structure of Novel 1-(2-(3,5-bis(4-methoxyphenyl)-1H-pyrazol-1-yl) thiazol-5-yl)ethanone Compound by Spectroscopic Methods**
GÜMÜŞ M., Yiğitcan S., KOCA İ.
INTERNATIONAL WORKSHOPonApplication of NMR in Pharmaceutics, Phytotherapeutics and Medicine, İstanbul, Turkey, 15 - 17 October 2017

XVIII. **The Detailed NMR Interpretations of the Substituent Groups And Systems In Some Novel Heterocyclic Compounds**
GÜMÜŞ M., KOCA İ., DİŞLİ A.
3rd International Turkic World Conference on Chemical Sciences and Technologies, Baku, Azerbaijan, 10 - 13 September 2017

XIX. **Synthesis and Characterization of Novel Hydrazo β-dicarbonyl Compounds**
KOCA İ., Özer Y., GÜMÜŞ M.
3rd International Turkic World Conference on Chemical Sciences and Technologies, Baku, Azerbaijan, 10 - 13 September 2017

XX. **Potansiyel Biyoaktif Heterosiklik Keten Aminal Türevi Pirazol-Perimidin Hibrit Bileşiklerinin Sentezi**
KOCA İ., GÜMÜŞ M., Açıkalın Coşkun K., TUTAR Y.
Uluslararası Katılımlı5. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi,Üretimi ve Standardizasyonu Kongresi, Antalya, Turkey, 30 March - 02 April 2017

XXI. **Tiyazol-Kumarin, Tiyazol-Diazepin ve Tiyazol-Pirazol-Kumarin HalkaSistemlerini İçeren Heterosiklik Bileşiklerin HSP70 ve HSP90 İnhibitör Özelliklerinin İncelenmesi**
GÜMÜŞ M., KOCA İ., DİŞLİ A., Aykut Ö., Açıkalın Coşkun K., TUTAR Y.
Uluslararası Katılımlı5. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi,Üretimi ve Standardizasyonu Kongresi, Antalya, Turkey, 30 March - 02 April 2017

XXII. **Heteroaromatik Gruplar İçeren Hibrit Yapılı HSP İnhibitörleri**
KOCA İ., GÜMÜŞ M., Aykut Ö., Açıkalın Coşkun K., Hepokur C., TUTAR Y.
Uluslararası Katılımlı5. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi,Üretimi ve Standardizasyonu Kongresi, Antalya, Turkey, 30 March - 02 April 2017

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GÜMÜŞ M., KOCA İ., Yiğitcan S.
Uluslararası Katılımlı5. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi,Üretimi ve Standardizasyonu Kongresi, Antalya, Turkey, 30 March - 02 April 2017

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2nd International Turkic World Conference on Chemical Sciences andTechnologies, Üsküp, Macedonia, 26 - 30 October 2016

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KOCA İ., GÜMÜŞ M., DİŞLİ A.
2nd International Turkic World Conference on Chemical Sciences andTechnologies, Üsküp, Macedonia, 26 - 30 October 2016

XXVI. **Determination of thePhotophysical Properties of Some Thiazolyl Coumarine Derivatives**
BOZKURT E., ONGANER Y., GÜMÜŞ M., KOCA İ., DİŞLİ A.
2nd International Turkic World Conference on Chemical Sciences andTechnologies, Üsküp, Macedonia, 26 - 30 October 2016

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ÖZBAY KARAKUŞ M., KOCA İ., KOCA A., GÜMÜŞ M., ER O., ÇETİN H.
First International Underground Resources and Energy Conference, Yozgat, Turkey, 6 - 08 October 2016

XXVIII. **Dual Targeting of HSP 70 and HSP 90 with pyrimidinyl acyl thiourea inhibitors**
Açıkalın Coşkun K., GÜMÜŞ M., KOCA İ., TUTAR Y.
COST Action CM1407 1'' Training School, Belgrade, Serbia, 24 - 26 September 2016

XXIX. **Inhibition and Docking Studies of New Pyrimidinyl Acyl Thioureas Compounds as HSP90 Inhibitors**
KOCA İ., Özgür A., Er M., GÜMÜŞ M., Açıkalın Coşkun K., TUTAR Y.
Symposium on EuroAsian Biodiversity (SEAB-2016), Antalya, Turkey, 23 - 27 May 2016

XXX. **Inhibition Studies of Novel Coumarine Derivatives as HSP90 and HSP70 Inhibitors**
GÜMÜŞ M., KOCA İ., Açıkalın Coşkun K., TUTAR Y., DİŞLİ A.
Symposium on EuroAsian Biodiversity (SEAB-2016), Antalya, Turkey, 23 - 27 May 2016

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Anatolian Conference onSynthetic Organic ChemistryACSOC II, Aydın, Turkey, 21 - 24 March 2016

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YAKAN M., GÜMÜŞ M., KOCA İ., KARACAN N.
Anatolian Conference onSynthetic Organic ChemistryACSOC II, Aydın, Turkey, 21 - 24 March 2016

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GÜMÜŞ M., KOCA İ., DİŞLİ A.
Anatolian Conference onSynthetic Organic ChemistryACSOC II, Aydın, Turkey, 21 - 24 March 2016

XXXIV. **Synthesis and characterization of new ligands and complexes bearing pyrazole moiety**
YAKAN M., GÜMÜŞ M., KOCA İ., KARACAN N.
Anatolian Conference onSynthetic Organic ChemistryACSOC II, Aydın, Turkey, 21 - 24 March 2016

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KOCA İ., ER M., GÜMÜŞ M., AYKUT Ö., TUTAR Y.
The 1stInternational Turkic World Conference on Chemical Sciences and Technologies, Sarajevo, Bosnia And Herzegovina, 27 October - 01 November 2015

XXXVI. **Efficient Synthesis of Potential Biactive Molecules Pyrazole Thiazole and Coumarine Hybrid Compounds**
GÜMÜŞ M., KOCA İ., DİŞLİ A.
The 1stInternational Turkic World Conference on Chemical Sciences and Technologies, Sarajevo, Bosnia And Herzegovina, 27 October - 01 November 2015

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14. Ulusal Spektroskopi Kongresi, Elazığ, Turkey, 29 - 31 May 2015

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14. Ulusal Spektroskopi Kongresi, Elazığ, Turkey, 29 - 31 May 2015

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KOCA İ., GÜMÜŞ M., ÖZGÜR A., DİŞLİ A., TUTAR Y.
3rd Anticancer Agent Development Congress, İzmir, Turkey, 18 - 19 May 2015

XL. **Synthesis of 1 5 benzodiazepine derivatives as possiblebiologic active agents**
GÜMÜŞ M., KOCA İ., AYKUT Ö., TUTAR Y., DİŞLİ A.
Anatolian Conference on Synthetic Organic Chemistry, Antalya, Turkey, 16 - 19 March 2015

XLI. **Synthesis and characterization of new ligands containingheterocyclic group**
YAKAN M., GÜMÜŞ M., KOCA İ., KARACAN N.
Anatolian Conference on Synthetic Organic Chemistry, Antalya, Turkey, 16 - 19 March 2015

XLII. **Heat shock protein 90 inhibitors in cancer drug discovery**
ÖZGÜR A., KOCA İ., GÜMÜŞ M., TUTAR Y.
MCB 2014; Joining forces in pharmaceutical analysis and medicinal chemistry, Groningen, Netherlands, 25 - 26 August 2014

XLIII. **Muhtemel Biyolojik Aktif Yeni Pirazol Türevi Bileşikler**
KOCA İ., ER M., GÖKBAŞ L., GÜMÜŞ M.
2. İlaç Kimyası Kongresi, Antalya, Turkey, 21 - 23 March 2014

XLIV. **ETİL 2E 3 AMİNO 2 4 BENZOİL 1 5 DİFENİL 1H PİRAZOL 3 İL KARBONİL AMİNO KARBONOTİYOLİL BÜT 2 ENOAT SENTEZ SPEKTROSKOPİ VE TEORİK ÇALIŞMALAR**
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13. Ulusal Spektroskopi Kongresi, Burdur, Turkey, 15 - 18 May 2013

XLV. **Kolon Kanseri Tedavisi çin Yeni Nesil Kumarin Türevi Bilesikleri**
KOCA İ., GÜMÜŞ M., AYKUT Ö., TUTAR Y., DİŞLİ A.
1. İlaç Kimyası Kongresi, Antalya, Turkey, 29 - 31 March 2013

XLVI. **Meme Kanseri Tedavisinde İlaç Potansiyeline Sahip Yeni Diazepin Türevi Bileşikler**
GÜMÜŞ M., KOCA İ., AYKUT Ö., TUTAR Y., DİŞLİ A.
2. İlaç Kimyası Kongresi, Antalya, Turkey, 21 March 2014 - 23 March 2013

XLVII. **Tiyazol Halkası İçeren Bazı Yeni Ketoesterlerin Sentezi ve Karakterizasyonu**
KOCA İ., GÜMÜŞ M., DİŞLİ A.
26. Ulusal Kimya Kongrresi, Muğla, Turkey, 1 - 06 October 2012

Supported Projects

KOCA İ., SERT Y., ÇAPAN İ., Project Supported by Higher Education Institutions, Amino Benzamit Köprülü Yeni Hibrit Moleküllerin Sentezi ve Potansiyel Biyolojik Etkinliğinin Teorik Olarak İncelenmesi, 2024 - Continues

KOCA İ., KURUMAHMUT O., Project Supported by Higher Education Institutions, Sülfonamit Grubu İçeren Yeni Pirimidinlerin Sentezi ve Karakterizasyonu, 2023 - Continues

KOCA İ., SERT Y., Ürünveren M., Project Supported by Higher Education Institutions, Potansiyel Yeni Nitroredüktaz İnhibitörler Üzerine Deneysel ve Teorik Çalışmalar, 2022 - Continues

Gümüş M., Koca İ., Tutar Y., Sert Y., Açıkalın Coşkun K., TUBITAK Project, The Design, Synthesis and Anticancer Studies of Quinoxaline-Thiazole Hybrid Structures, 2022 - 2025

Koca İ., Korkusuz E., Çapan İ., Sert Y., TUBITAK Project, Antipirin Türevi Hibrit Moleküllerin Tasarımı ve Karbonik Anhidraz Aktivitesinin Araştırılması, 2023 - 2024

Koca İ., SERT Y., Project Supported by Higher Education Institutions, Pirimidin Halkası İçeren İmidoditiyokarbonat Türevi Moleküllerin Moleküler Docking ve Antioksidan Aktivite Çalışmaları, 2022 - 2023

Koca İ., SERT Y., Project Supported by Higher Education Institutions, Pirazolopirimidin Halkalarını İçeren Hibrit Moleküllerin Moleküler Docking ve Antikanser Aktivite Çalışmaları, 2022 - 2023

Gümüş M., Koca İ., Tutar Y., TUBITAK Project, Aril Hidrazonal Bileşikleri Üzerinden Yeni Salisilat ve İndazol Türevi Bileşiklerin Sentezi, Karakterizasyonu ve Antikanser Aktivite Çalışmaları, 2020 - 2023

KOCA İ., BABACAN Ş. N., Project Supported by Higher Education Institutions, Pirol Halkası İçeren Yeni Sülfonamitlerin

Sentezi ve Karakterizasyonu, 2020 - 2022
KOCA İ., ÇAPAN İ., Project Supported by Higher Education Institutions, Pirimidin Çekirdeği İçeren Yeni Organik Bileşiklerin Sentezi ve Karakterizasyonu, 2020 - 2021
KOCA İ., KARACAN N., YAKAN M., Yiğitcan S., Project Supported by Higher Education Institutions, Tiyazol Halkası İçeren Yeni Bileşiklerin Sentez ve Karakterizasyonu, 2018 - 2021
KOCA İ., GÜMÜŞ M., Project Supported by Higher Education Institutions, İkili Heterosiklik Yapı İçeren Yeni Keten Aminal Türevlerinin Sentezi ve Karakterizasyonu, 2016 - 2020
Gümüş M., Koca İ., Sert Y., Project Supported by Higher Education Institutions, Potansiyel Biyoaktif Sülfonamit Türevi Bileşiklerin Karakterizasyonu Üzerine Deneysel ve Teorik Çalışmalar, 2018 - 2019
Gümüş M., Koca İ., Project Supported by Higher Education Institutions, POTANSİYEL BİYOAKTİF YENİ İKİLİ HETEROSİKLİK BİLEŞİKLERİN SENTEZİ VE KARAKTERİZASYONU, 2016 - 2018
Gümüş M., Koca İ., Project Supported by Higher Education Institutions, Çok Basamaklı Sentez Reaksiyonları İle Yeni Pirazol-Tiyazol Türevi Bileşiklerin Sentezi Ve Karakterizasyonu, 2016 - 2018
Gümüş M., Koca İ., Tutar Y., TUBITAK Project, Pirazol-Kumarin Halkalarını İçeren Yeni Hibrit Heterosiklik Bileşiklerin Sentezi ve Antikanser Aktivite Çalışmaları, 2016 - 2018
KOCA İ., Project Supported by Higher Education Institutions, Multifonksiyonel Yeni Heterosiklik Bileşiklerin Sentezi, 2016 - 2017
KOCA İ., Project Supported by Higher Education Institutions, “Multifonksiyonel Yeni Heterosiklik Bileşiklerin Sentezi, 2016 - 2017
KOCA İ., Project Supported by Higher Education Institutions, Pirazol Bileşikleri Üzerinden Yeni Bileşiklerin Sentez Çalışmaları, 2015 - 2016
KOCA İ., Project Supported by Higher Education Institutions, Pirimidinil Açiltiyoüre Bileşiklerinin Sentezi Ve Karakterizasyonu, 2014 - 2016
KOCA İ., GÜMÜŞ M., Project Supported by Higher Education Institutions, Pirazol Ve Tiyazol Çekirdekleri İçeren Yeni Kumarin Bileşiklerinin Sentezi ve Spektroskopik Analizi, 2015 - 2015
KOCA İ., GÜMÜŞ M., Project Supported by Higher Education Institutions, Tiyazol ve Diazepin Çekirdekleri İçeren Yeni Heterosiklik Bileşiklerin Sentezi, 2014 - 2015
KOCA İ., Project Supported by Higher Education Institutions, Pirazol İçeren Yeni Açil Tiyoüre Bileşiklerinin Sentezi ve Karakterizasyonu, 2014 - 2015
Gümüş M., Koca İ., Project Supported by Higher Education Institutions, Multikomponent Reaksiyonlarla Yeni Organik Bileşiklerin Sentezi, 2013 - 2014
KOCA İ., Project Supported by Higher Education Institutions, YENİ PERİNON TÜREVİ BOYARMADDELERİN SENTEZİ VE KARAKTERİZASYONU, 2011 - 2013
KOCA İ., TUBITAK Project, Yeni Perinon Türevleri Pirrolo 1 2 a Perimidin 10 On Türevi Yeni Boyaların İki Yeni Metot ile Sentezi Ve Spektroskopik Karakterizasyonu, 2010 - 2011
KOCA İ., TUBITAK Project, Heterosiklik Amino Asitler Pirrol 3 on Pirrolo 2 1 b 1 3 oksazin ve Pirrolo 1 2 a 3 1 benzoksazin Türevlerinin Sentezleri ve Karakterizasyonu, 2007 - 2009
KOCA İ., Project Supported by Higher Education Institutions, o Benzokinon Türevi Bileşiklerin Bazı Azotlu Nükleofillerle Reaksiyonları, 2005 - 2008

Patent

Tutar Y., Gümüş M., Açıkalın Coşkun K., Koca İ., ISI ŞOK PROTEİN 70 (HSP70) İNHİBİTÖRÜ VE BU İNHİBİTÖRÜN SENTEZLENMESİ, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Registration Number: 2018 03779 , Standard Registration, 2022

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