

## Prof. İRFAN KOCA

### Personal Information

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### International Researcher IDs

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ScopusID: 56681939200

Yoksis Researcher ID: 46727

### Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 2003 - 2008

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Kimya (YI) (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 açılıyoüre 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 açıl 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. **Synthesis of novel carbazole hydrazine-carbothioamide scaffold as potent antioxidant, anticancer and antimicrobial agents**  
ÇAPAN İ., Hawash M., Qaoud M. T., Gülüm L., Tunoglu E. N. Y., Çıfci K., ÇEVİRİMLİ B. S., SERT Y., Servi S., KOCA İ., et al.  
BMC Chemistry, vol.18, no.1, 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.61, no.7, pp.4565-4576, 2024 (SCI-Expanded)
- III. **Synthesis and biological studies of pyrimidine derivatives targeting metabolic enzymes**  
Korkusuz E., Sert Y., Arslan S., Aydın H., Yıldırım İ., Demir Y., Gülçin İ., Koca İ.  
ARCHIV DER PHARMAZIE, vol.2300634, pp.1-17, 2024 (SCI-Expanded)
- IV. **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)
- V. **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)
- VI. **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)
- VII. **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)
- VIII. **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)
- IX. **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)
- X. **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)

- XI. **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)
- XII. **Discovery of sulfadruug-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)
- XIII. **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)
- XIV. **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)
- XV. **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)
- XVI. **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)
- XVII. **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)
- XVIII. **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)
- XIX. **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., KANI İ., KOCA İ.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1171, pp.850-866, 2018 (SCI-Expanded)
- XX. **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., KANI İ., KOCA İ.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1167, pp.280-293, 2018 (SCI-Expanded)
- XXI. **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., KANI İ., KOCA İ.  
JOURNAL OF THEORETICAL & COMPUTATIONAL CHEMISTRY, vol.16, no.5, 2017 (SCI-Expanded)
- XXII. **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)
- XXIII. **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)
- XXIV. **Design, Synthesis, and Evaluation of Heat Shock Protein 90 Inhibitors in Human Breast Cancer and Its Metastasis**

- GÜMÜŞ M., Ozgur A., Tutar L., DIŞLI A., KOCA İ., TUTAR Y.  
CURRENT PHARMACEUTICAL BIOTECHNOLOGY, vol.17, no.14, pp.1231-1245, 2016 (SCI-Expanded)
- XXV. **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)
- XXVI. **A Novel Approach to Inhibit Heat Shock Response as Anticancer Strategy by Coumarine Compounds Containing Thiazole Skeleton**  
KOCA İ., GÜMÜŞ M., Ozgur A., DIŞLI A., TUTAR Y.  
ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY, vol.15, no.7, pp.916-930, 2015 (SCI-Expanded)
- XXVII. **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)
- XXVIII. **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)
- XXIX. **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., KANI İ., ÇIRAK Ç.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.118, pp.816-827, 2014 (SCI-Expanded)
- XXX. **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)
- XXXI. **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)
- XXXII. **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)
- XXXIII. **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)
- XXXIV. **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)
- XXXV. **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)
- XXXVI. **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)
- XXXVII. **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)
- XXXVIII. **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)
- XXXIX. **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)
- XL. **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 synthesized pyrrolo[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. Piridazin Bileşiklerinin Sentezi ve Antikanser Aktivite Çalışmaları**

Gümüş M., Açıklık Coşkun K., Yenilmez Tunoğlu E. N., Tutar Y., Koca İ.

35. Ulusal Kimya Kongresi, Diyarbakır, Turkey, 9 - 12 September 2024, pp.135

**II. Amino Benzamid Köprülü Yeni Pirazol Bileşikleri Üzerine Teorik Çalışmalar**

Er M., Çapan İ., Sert Y., Koca İ.

35. Ulusal Kimya Kongresi, Diyarbakır, Turkey, 9 - 12 September 2024, pp.210

**III. Synthesis and Characterization of New Thiazole Derived Compounds**

GÜMÜŞ M., ÇAPAN İ., KOCA İ.

UBAK Uluslararası Bilimsel Araştırmalar ve İnovasyon Kongresi, Ankara, Turkey, 5 - 06 June 2024

**IV. 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

**V. 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

**VI. 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

**VII. 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

**VIII. Synthesis, Characterization and Molecular Docking Studies of Novel Sulfadriugs-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

**IX. Cytotoxic and Genotoxic Effects of Salicylic Acid Derivative in Allium cepa Root Tip Cells**

Can S., EROĞLU H. E., GÜMÜŞ M., KOCA İ.

USBİK 2021 Online International Congress On Natural Scinencess, Kayseri, Turkey, 26 - 28 February 2021

**X. 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

**XI. 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

**XII. 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

- XIII. **Pirazolil Açiltiyoüre Grubu İçeren Yeni Bir Dizi Sülfü İlacının Sentezi ve Karakterizasyonu**  
KOCA İ., Yiğitcan S., GÜMÜŞ M.  
2nd International Turkish World Engineering and Science Congress, Antalya, Turkey, 7 - 10 November 2019
- XIV. **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
- XV. **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
- XVI. **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
- XVII. **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
- XVIII. **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
- XIX. **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
- XX. **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 WORKSHOP on Application of NMR in Pharmaceuticals, Phytotherapeutics and Medicine, İstanbul, Turkey, 15 - 17 October 2017
- XXI. **The Detailed NMR Interpretations of the Substituent Groups And Systems In Some Novel Heterocyclic Compounds**  
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- XXII. **Synthesis and Characterization of Novel Hydrazo  $\beta$ -dicarbonyl Compounds**  
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