

Assoc. Prof. Hasan Yakan

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: GIK-0738-2022

ScopusID: 46462159400

Yoksis Researcher ID: 160988

Education Information

Doctorate, Ondokuz Mayıs University, Fen Fakültesi, Kimya Bölümü, Turkey 2008 - 2014

Postgraduate, Ondokuz Mayıs University, Fen Fakültesi, Kimya Bölümü, Turkey 2005 - 2008

Undergraduate, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey 2002 - 2005

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Microwave-assisted synthesis of some sulphenamide derivatives, Ondokuz Mayıs University, Kimya (Dr), 2014

Postgraduate, N-(4-sübstütüeariltiyo) ftalimitlerin sentezi ve asit katalizli hidroliz mekanizması, Ondokuz Mayıs University, Kimya (YI) (Tezli), 2008

Research Areas

Chemistry, Organic Chemistry, Organic Spectroscopy, Natural Sciences

Academic Titles / Tasks

Associate Professor, Ondokuz Mayıs University, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, 2021 - Continues

Assistant Professor, Ondokuz Mayıs University, Eğitim Fakültesi, Orta Öğretim Fen Bilimleri ve Matematik, 2014 - 2021

Research Assistant, Ondokuz Mayıs University, Fen Fakültesi, Kimya Bölümü, 2009 - 2014

Research Assistant, Adam Mickiewicz University, Poznan/Polonya, Fen, Kimya, 2011 - 2011

Research Assistant, Karl-Franzens-Universitaet Graz, Fen, Kimya, 2009 - 2009

Academic and Administrative Experience

Farabi Program Institutional Coordinator, Ondokuz Mayıs University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, 2015 - Continues
Head of Department, Ondokuz Mayıs University, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, 2017 - 2019
Deputy Head of Department, Ondokuz Mayıs University, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, 2015 - 2016

Courses

Postgraduate

FKİ600 Tez Yönetimi, Postgraduate, 2022 - 2023, 2021 - 2022
FBP837 Uzmanlık Alan Dersi, Postgraduate, 2022 - 2023
FBP837 Uzmanlık Alan Dersi, Postgraduate, 2022 - 2023
FKİ600 Tez Yönetimi, Postgraduate, 2022 - 2023
FBP838 Uzmanlık Alan Dersi, Postgraduate, 2021 - 2022
FKİ631 Fiziksel Organik Kimya I, Postgraduate, 2020 - 2021, 2019 - 2020
FKİ632 Fiziksel Organik Kimya II, Postgraduate, 2020 - 2021
FKİ644 Fiziksel Organik Kimya II, Postgraduate, 2019 - 2020

Undergraduate

BİAE108 GENEL KİMYA LABORATUVARI, Undergraduate, 2023 - 2024
FZAE108 GENEL KİMYA / BİAE106 GENEL KİMYA, Undergraduate, 2023 - 2024
MZPF110.78 Öğretmenlik Uygulaması, Undergraduate, 2023 - 2024
FZAE108 GENEL KİMYA / BİAE106 GENEL KİMYA, Undergraduate, 2022 - 2023
BİAE108 GENEL KİMYA LABORATUVARI, Undergraduate, 2022 - 2023
BİAE211 ORGANİK KİMYA, Undergraduate, 2023 - 2024
BİAE211 ORGANİK KİMYA, Undergraduate, 2022 - 2023
BİAE211 ORGANİK KİMYA, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020
BİAE108 GENEL KİMYA LABORATUVARI, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019
TBKİM103 GENEL KİMYA I, Undergraduate, 2021 - 2022, 2017 - 2018
PFES109.17 ÖĞRETMENLİK UYGULAMASI I, Undergraduate, 2021 - 2022
FZAE108 GENEL KİMYA / BİAE106 GENEL KİMYA, Undergraduate, 2021 - 2022, 2020 - 2021
TBKİM104 GENEL KİMYA II, Undergraduate, 2020 - 2021, 2016 - 2017, 2015 - 2016
SÖAE205.4 FEN BİLİMLERİ LABORATUVAR UYGULAMALARI, Undergraduate, 2020 - 2021
KMÖ513 A SEÇMELİ II (İLAÇ KİMYASI), Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019
KMÖ307 KUANTUM KİMYASINA GİRİŞ, Undergraduate, 2020 - 2021
SÖAE205.3 FEN BİLİMLERİ LABORATUVAR UYGULAMALARI, Undergraduate, 2020 - 2021
KMO409 Alan Eğitimi Araştırma Projesi, Undergraduate, 2019 - 2020, 2018 - 2019
KMÖ510 Alan Eğitim Araştırma Projesi, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
KMO403/KMÖ307 Kuantum Kimyasına Giriş, Undergraduate, 2019 - 2020, 2018 - 2019
KMÖ502 Kimyasal Kinetik, Undergraduate, 2019 - 2020, 2018 - 2019
FZAE108 Genel Kimya, Undergraduate, 2019 - 2020
BİAE106 Genel Kimya, Undergraduate, 2019 - 2020, 2018 - 2019
SNÖ210.3/SNÖ210.5 Fen ve Teknoloji Laboratuvar Uygulamaları-II, Undergraduate, 2018 - 2019
İMÖ406.6 Öğretmenlik Uygulaması, Undergraduate, 2018 - 2019
KMÖ209/KMO207 Organik Kimya Lab.-I, Undergraduate, 2018 - 2019
SNÖ209.5/SNÖ209.6 Fen ve Teknoloji Laboratuvar Uygulamaları-I, Undergraduate, 2018 - 2019
KMO409 ALAN EĞİTİMDE ARAŞTIRMA PROJESİ, Undergraduate, 2017 - 2018
IMO407 OKUL DENEYİMİ, Undergraduate, 2017 - 2018
KMÖ508.1 Öğretmenlik Uygulaması, Undergraduate, 2017 - 2018

EGTM406 Topluma Hizmet Uygulamaları, Undergraduate, 2017 - 2018
KMÖ204.1 Organik Kimya-II, Undergraduate, 2017 - 2018
TBKİM104.1 Genel Kimya II, Undergraduate, 2017 - 2018
KMO208/KMÖ210 Organik Kimya Lab. II, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016
TBKİM104 GENEL KİMYA I, Undergraduate, 2017 - 2018
KMÖ508 ÖĞRETMENLİK UYGULAMASI, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015
KMO209 ORGANİK KİMYA LAB. I, Undergraduate, 2016 - 2017
KMO104 GENEL KİMYA LAB II, Undergraduate, 2016 - 2017
KMÖ203 ORGANİK KİMYA I, Undergraduate, 2016 - 2017
KMÖ509 TOPLUMA HİZMET UYGULAMALARI, Undergraduate, 2016 - 2017
TBKİM101 GENEL KİMYA I, Undergraduate, 2016 - 2017, 2015 - 2016
KMÖ505 OKUL DENEYİMİ, Undergraduate, 2016 - 2017, 2015 - 2016
KMO206/KMÖ204 ORGANİK KİMYA II, Undergraduate, 2016 - 2017, 2015 - 2016
KMO104 GENEL KİMYA LAB. II, Undergraduate, 2015 - 2016
KMÖ209/KMO207 ORGANİK KİMYA LAB. I, Undergraduate, 2015 - 2016
KMO103 GENEL KİMYA LAB. I, Undergraduate, 2015 - 2016
KMÖ509 TOPLUMA HİZMET UYGULAMASI, Undergraduate, 2015 - 2016
KMÖ203/KMO205 ORGANİK KİMYA I, Undergraduate, 2015 - 2016
KMÖ510 ALAN EĞT.ARAŞ.PROJESİ, Undergraduate, 2014 - 2015
SNÖ210 Fen ve Tek.Lab. Uyg.II, Undergraduate, 2014 - 2015
BYO104 ORGANİK KİMYA, Undergraduate, 2014 - 2015

Supervised Theses

Yakan H., 5-nitroisatin türevli yeni iminlerin sentezi, karakterizasyonu ve biyolojik özellikleri, Postgraduate, O.BURUK(Student), 2023
Hasan Y., Bazı yeni 5-brom-2-furoik asit türevi 1,3,4-tiyadiazol bileşiklerinin sentezi, karakterizasyonu, antioksidan ve antibakteriyel aktivitelerinin belirlenmesi, Postgraduate, M.AB.(Student), 2020
Hasan Y., İsatın- β -karbohidrazon, tiyokarbohidrazon türevlerinin sentezi, karakterizasyonu ve antioksidan aktivitelerinin incelenmesi, Postgraduate, A.GHAYTH(Student), 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Synthesis, structure elucidation, antioxidant properties, and theoretical calculations of new Schiff bases-isatin derivatives**
Bakir T. K., Cavus M. S., Muglu H., Yakan H.
RESEARCH ON CHEMICAL INTERMEDIATES, vol.50, no.8, pp.3937-3962, 2024 (SCI-Expanded)
- II. **Kinetic Insights into the Antioxidant Effect of Isatin-Thiosemicarbazone in Biodiesel Blends**
Türköz Karakullukçu N., Muğlu H., Yakan H., Yılmaz V. M., Marah S., İnce İ. A.
ANTIOXIDANTS, vol.13, no.819, pp.1-21, 2024 (SCI-Expanded)
- III. **Novel asymmetric biscarbothioamides as Alzheimer's disease associated cholinesterase inhibitors: synthesis, biological activity, and molecular docking studies**
Muglu H., Yakan H., Erdogan M., Topal F., Topal M., TÜRKES C., BEYDEMİR Ş.
NEW JOURNAL OF CHEMISTRY, vol.48, no.24, pp.10979-10989, 2024 (SCI-Expanded)
- IV. **Schiff bases based on thio/carbohydrazide: Synthesis, spectroscopic characterization, DFT, antimicrobial, DNA interactions and cytotoxicity studies**
Cavus M. S., Yakan H., Baskan C., Muglu H., Babacan A. A.
JOURNAL OF MOLECULAR STRUCTURE, vol.1304, 2024 (SCI-Expanded)
- V. **Inhibitory effects of sulfenimides on human and bovine carbonic anhydrase enzymes**

Yakan H., Bilir G., Çakmak Ş., Taş Ö., Türköz Karakullukçu N., Soydan E., Kütük H., Güçlü C., Şentürk M., Arslan T., et al.

JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.38, no.1, 2023 (SCI-Expanded)

- VI. **Synthesis, Theoretical, in Silico and in Vitro Biological Evaluation Studies of New Thiosemicarbazones as Enzyme Inhibitors**
Erdogan M., ÇAVUŞ M. S., MUĞLU H., Yakan H., TÜRKEŞ C., Demir Y., Beydemir S.
CHEMISTRY & BIODIVERSITY, vol.20, 2023 (SCI-Expanded)
- VII. **Preparation, spectroscopic, X-ray crystallographic, DFT, antimicrobial and ADMET studies of N-[(4-fluorophenyl)sulfanyl]phthalimide**
Çakmak Ş., Aycan T., Yakan H., Veyisoğlu A., Tanak H., Evecen M.
Acta crystallographica. Section C, Structural chemistry, vol.79, pp.249-256, 2023 (SCI-Expanded)
- VIII. **Thio/carbohydrazone derivatives from iso(thio)/cyanates: preparation, structure elucidation, DFT studies, antimicrobial activity and DNA interactions**
ÇAVUŞ M. S., Yakan H., Baskan C., Erdogan M., MUĞLU H.
RESEARCH ON CHEMICAL INTERMEDIATES, vol.49, pp.2639-2667, 2023 (SCI-Expanded)
- IX. **A novel series of thiosemicarbazone hybrid scaffolds: Design, synthesis, DFT studies, metabolic enzyme inhibition properties, and molecular docking calculations**
Yakan H., MUĞLU H., TÜRKEŞ C., Demir Y., Erdogan M., ÇAVUŞ M. S., BEYDEMİR Ş.
JOURNAL OF MOLECULAR STRUCTURE, vol.1280, 2023 (SCI-Expanded)
- X. **Synthesis, structure elucidation, biological activity, enzyme inhibition and molecular docking studies of new Schiff bases based on 5-nitroisatin-thiocarbohydrazone**
Yakan H., Omer H. S., Buruk O., ÇAKMAK Ş., Marah S., VEYİSOĞLU A., MUĞLU H., Özen T., Kütük H.
JOURNAL OF MOLECULAR STRUCTURE, vol.1277, 2023 (SCI-Expanded)
- XI. **Enzyme inhibition, molecular docking, and density functional theory studies of new thiosemicarbazones incorporating the 4-hydroxy-3,5-dimethoxy benzaldehyde motif**
Demir Y., TÜRKEŞ C., ÇAVUŞ M. S., Erdogan M., MUĞLU H., Yakan H., BEYDEMİR Ş.
ARCHIV DER PHARMAZIE, vol.356, 2023 (SCI-Expanded)
- XII. **New Schiff bases based on isatin and (thio)/carbohydrazone: preparation, experimental-theoretical spectroscopic characterization, and DFT approach to antioxidant characteristics**
Muğlu H., Sönmez F., Çavuş M. S., ZENGİN KURT B., Yakan H.
Research on Chemical Intermediates, vol.49, no.4, pp.1463-1484, 2023 (SCI-Expanded)
- XIII. **Kinetic Studies, Antioxidant Activities, Enzyme Inhibition Properties and Molecular Docking of 1,3-Dihydro-1,3-Dioxoisoindole Derivatives**
Yakan H., Ozturk S., Uyar Tolgay E., Yenigun S., Marah S., Doruk T., Ozen T., Kutuk H.
ACTA CHIMICA SLOVENICA, vol.70, no.1, pp.29-43, 2023 (SCI-Expanded)
- XIV. **New Bis-1,3,4-Thiadiazoles Based on Fumaric Acid: Preparation, Structure Elucidation, Antibacterial Activities, and Quantum-Chemical Studies**
Muğlu H., Yakan H., Elefkhakry G. A. I., Altuner E. M., Serdar Çavuş M.
Acta Chimica Slovenica, vol.70, no.2, pp.247-260, 2023 (SCI-Expanded)
- XV. **ISATIN/THIOSEMICARBAZONE HYBRIDS: FACILE SYNTHESIS, AND THEIR EVALUATION AS ANTI-PROLIFERATIVE AGENTS AND METABOLIC ENZYME INHIBITORS**
Yakan H., Azam M., Kansiz S., Muğlu H., ERGÜL M., Taslimi P., KOÇYİĞİT Ü. M., Karaman M., Al-Resayes S. I., Min K.
Bulletin of the Chemical Society of Ethiopia, vol.37, no.5, pp.1221-1236, 2023 (SCI-Expanded)
- XVI. **Synthesis of new bis(thiosemicarbazone) derivatives and DFT analysis of antioxidant characteristics in relation to HAT and SET reactions**
MUĞLU H., ÇAVUŞ M. S., BAKIR T. K., Yakan H.
JOURNAL OF THE INDIAN CHEMICAL SOCIETY, vol.99, no.12, 2022 (SCI-Expanded)
- XVII. **New 5-methylisatin including thiocarbohydrazones: preparation, structure elucidation and antimicrobial activity**
Yakan H., ÇAKMAK Ş., Buruk O., VEYİSOĞLU A., MUĞLU H., Türköz Karakullukçu N.
RESEARCH ON CHEMICAL INTERMEDIATES, vol.48, no.10, pp.4331-4345, 2022 (SCI-Expanded)

- XVIII. **Determination of biological studies and molecular docking calculations of isatin-thiosemicarbazone hybrid compounds**
KOÇYİĞİT Ü. M., DOĞAN M., MUĞLU H., Taslimi P., TÜZÜN B., Yakan H., BAL H., Guzel E., Gulcin I.
JOURNAL OF MOLECULAR STRUCTURE, vol.1264, 2022 (SCI-Expanded)
- XIX. **Synthesis, X-ray structure, antimicrobial activity, DFT and molecular docking studies of N-(thiophen-2-ylmethyl)thiophene-2-carboxamide**
ÇAKMAK Ş., DEMİRCİOĞLU Z., Uzun S., VEYİSOĞLU A., Yakan H., ERSANLI C. C.
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.78, pp.390-401, 2022 (SCI-Expanded)
- XX. **1,2,3-Triazole substituted phthalocyanine metal complexes as potential inhibitors for anticholinesterase and antidiabetic enzymes with molecular docking studies**
KOÇYİĞİT Ü. M., Taslimi P., TÜZÜN B., Yakan H., MUĞLU H., Guzel E.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, vol.40, no.10, pp.4429-4439, 2022 (SCI-Expanded)
- XXI. **Synthesis, Spectroscopic Characterization, Single-Crystal Structure, Hirshfeld Surface Analysis, and Antimicrobial Studies of 3-Acetoxy-2-methylbenzoic Anhydride**
ÇAKMAK Ş., Kansiz S., Azam M., VEYİSOĞLU A., Yakan H., Min K.
ACS OMEGA, vol.7, no.20, pp.17192-17201, 2022 (SCI-Expanded)
- XXII. **Preparation, antioxidant activity, and theoretical studies on the relationship between antioxidant and electronic properties of bis(thio/carbohydrazone) derivatives**
MUĞLU H., ZENGİN KURT B., Sonmez F., Guzel E., Cavul M. S., Yakan H.
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, vol.164, 2022 (SCI-Expanded)
- XXIII. **Potential thiosemicarbazone-based enzyme inhibitors: Assessment of antiproliferative activity, metabolic enzyme inhibition properties, and molecular docking calculations**
Yakan H., KOÇYİĞİT Ü. M., MUĞLU H., ERGÜL M., ERKAN S., Guzel E., Taslimi P., GÜLÇİN İ.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, vol.36, no.5, 2022 (SCI-Expanded)
- XXIV. **Synthesis, Structural Investigation, Hirshfeld Surface Analysis, and Biological Evaluation of N-(3-Cyanothiophen-2-yl)-2-(thiophen-2yl)acetamide**
ÇAKMAK Ş., Kansiz S., Azam M., ERSANLI C. C., İDİL Ö., VEYİSOĞLU A., Yakan H., Kütük H., Chutia A.
ACS OMEGA, vol.7, no.13, pp.11320-11329, 2022 (SCI-Expanded)
- XXV. **New N,N '-bis(thioamido)thiocarbohydrazones and carbohydrazones: synthesis, structure characterization, antioxidant activity, corrosion inhibitors and DFT studies**
ÇAVUŞ M. S., Yakan H., Ozorak C., MUĞLU H., BAKIR T. K.
RESEARCH ON CHEMICAL INTERMEDIATES, vol.48, no.4, pp.1593-1613, 2022 (SCI-Expanded)
- XXVI. **Experimental and theoretical investigations on a furan-2-carboxamide-bearing thiazole: synthesis, molecular characterization by IR/NMR/XRD, electronic characterization by DFT, Hirshfeld surface analysis and biological activity**
ÇAKMAK Ş., Kirca B. K., VEYİSOĞLU A., Yakan H., ERSANLI C. C., Kütük H.
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.78, pp.201-216, 2022 (SCI-Expanded)
- XXVII. **Exploring of antioxidant and antibacterial properties of novel 1,3,4-thiadiazole derivatives: Facile synthesis, structural elucidation and DFT approach to antioxidant characteristics**
MUĞLU H., Akin M., ÇAVUŞ M. S., Yakan H., ŞAKI N., Guzel E.
COMPUTATIONAL BIOLOGY AND CHEMISTRY, vol.96, 2022 (SCI-Expanded)
- XXVIII. **Synthesis, structure characterization and quantum chemical study on relationship between structure and antioxidant properties of novel Schiff bases bearing (thio)/carbohydrazones**
MUĞLU H., Yakan H., Misbah A. G. A., ÇAVUŞ M. S., BAKIR T. K.
RESEARCH ON CHEMICAL INTERMEDIATES, vol.47, no.12, pp.4985-5005, 2021 (SCI-Expanded)
- XXIX. **A new series of asymmetric bis-isatin derivatives containing urea/thiourea moiety: Preparation, spectroscopic elucidation, antioxidant properties and theoretical calculations**
Yakan H., ÇAVUŞ M. S., ZENGİN KURT B., MUĞLU H., Sonmez F., Guzel E.
JOURNAL OF MOLECULAR STRUCTURE, vol.1239, 2021 (SCI-Expanded)
- XXX. **New beta-isatin aldehyde-N,N '-thiocarbohydrazones: preparation, spectroscopic studies and DFT approach to antioxidant characteristics**

- Yakan H., BAKIR T. K., ÇAVUŞ M. S., MUĞLU H.
RESEARCH ON CHEMICAL INTERMEDIATES, vol.46, no.12, pp.5417-5440, 2020 (SCI-Expanded)
- XXXI. **Novel Schiff bases derived from isothiocyanates: synthesis, characterization, and antioxidant activity**
Yakan H.
RESEARCH ON CHEMICAL INTERMEDIATES, vol.46, no.8, pp.3979-3995, 2020 (SCI-Expanded)
- XXXII. **Synthesis, characterization, antioxidant, and antibacterial activities of new 2,3-dimethoxy and 3-acetoxy-2-methyl benzamides**
Yakan H., ÇAKMAK Ş., Kütük H., Yenigun S., Özen T.
RESEARCH ON CHEMICAL INTERMEDIATES, vol.46, no.5, pp.2767-2787, 2020 (SCI-Expanded)
- XXXIII. **Novel carbohydrazones including 5-substituted isatin: Synthesis, characterization, and quantum-chemical studies on the relationship between electronic and antioxidant properties**
ÇAVUŞ M. S., Yakan H., MUĞLU H., Bakir T.
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, vol.140, 2020 (SCI-Expanded)
- XXXIV. **New 1,3,4-thiadiazoles based on thiophene-2-carboxylic acid: Synthesis, characterization, and antimicrobial activities**
MUĞLU H., Yakan H., Shouaib H. A.
JOURNAL OF MOLECULAR STRUCTURE, vol.1203, 2020 (SCI-Expanded)
- XXXV. **Two new benzamides: Synthesis, spectroscopic characterization, X-ray diffraction, and electronic structure analyses**
Kirca B. K., ÇAKMAK Ş., Yakan H., ODABAŞOĞLU M., Buyukgungor O., Kütük H.
JOURNAL OF MOLECULAR STRUCTURE, vol.1203, 2020 (SCI-Expanded)
- XXXVI. **Phthalocyanines including 2-mercaptobenzimidazole analogs: Synthesis, spectroscopic characteristics, quantum-chemical studies on the relationship between electronic and antioxidant properties**
Yakan H., ÇAVUŞ M. S., Guzel E., Arslan B. S., Bakir T., MUĞLU H.
JOURNAL OF MOLECULAR STRUCTURE, vol.1202, 2020 (SCI-Expanded)
- XXXVII. **Preparation, structure elucidation, and antioxidant activity of new bis(thiosemicarbazone) derivatives**
Yakan H.
TURKISH JOURNAL OF CHEMISTRY, vol.44, no.4, pp.1085-1117, 2020 (SCI-Expanded)
- XXXVIII. **Synthesis, spectroscopic studies, and antioxidant activities of novel thio/carbohydrazones and bis-isatin derivatives from terephthalaldehyde**
MUĞLU H., Yakan H., BAKIR T. K.
TURKISH JOURNAL OF CHEMISTRY, vol.44, no.1, pp.237-256, 2020 (SCI-Expanded)
- XXXIX. **Synthesis, characterization, quantum chemical calculations and antioxidant activity of new bis-isatin carbohydrazone and thiocarbohydrazone derivatives**
MUĞLU H., ÇAVUŞ M. S., Bakir T., Yakan H.
JOURNAL OF MOLECULAR STRUCTURE, vol.1196, pp.819-827, 2019 (SCI-Expanded)
- XL. **Phthalocyanines with bromobenzenesulfanyl substituents at non-peripheral position: Preparation, photophysical and photochemical properties**
YAŞA ATMACA G., Yakan H., Kütük H., NEBİOĞLU M., Guzel E., ERDOĞMUŞ A.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.23, no.7-8, pp.821-827, 2019 (SCI-Expanded)
- XLI. **Comparison of conventional and microwave-assisted synthesis of some new sulfenamides under free catalyst and ligand**
Yakan H., Kütük H.
MONATSHEFTE FÜR CHEMIE, vol.149, no.11, pp.2047-2057, 2018 (SCI-Expanded)
- XLII. **Crystal and Molecular Structure of N-(Phenylthio)phthalimide(1)**
TANAK H., Yakan H., Kütük H., Türköz Karakullukçu N., DEGE N.
CRYSTALLOGRAPHY REPORTS, vol.63, no.3, pp.379-381, 2018 (SCI-Expanded)
- XLIII. **Spectroscopic Properties and Preparation of Some 2,3-Dimethoxybenzamide Derivatives**
ÇAKMAK Ş., Kütük H., ODABAŞOĞLU M., Yakan H., Buyukgungor O.

LETTERS IN ORGANIC CHEMISTRY, vol.13, no.3, pp.181-194, 2016 (SCI-Expanded)

XLIV. CHARACTERIZATION AND COMPARATIVE STUDIES ON CONVENTIONAL AND MICROWAVE SYNTHESIS OF SOME DISULFIDES

Türköz Karakullukçu N., Yakan H., Öztürk S., Kütük H.

PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.188, no.11, pp.1576-1583, 2013 (SCI-Expanded)

XLV. THE MECHANISMS OF ACID-CATALYZED HYDROLYSIS OF N-(4-SUBSTITUTED ARYLTHIO) PHTHALIMIDES

Kütük H., Yakan H.

PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.186, no.7, pp.1460-1469, 2011 (SCI-Expanded)

Articles Published in Other Journals

- I. **Synthesis, characterization, and antioxidant activities of new 1,3,4-thiadiazoles based on benzoic acid**
Benzoik asit temelli yeni 1,3,4-tiyadiazollerin sentezi, karakterizasyonu ve antioksidan aktiviteleri
Yakan H.
El-Cezeri Journal of Science and Engineering, vol.8, no.1, pp.155-163, 2021 (Scopus)
- II. **Preparation, Characterization, and Antioxidant Features of Some New Schiff Bases Derived from Isatins and Hydrazine**
MUĞLU H., YAKAN H.
İğdir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.10, no.1, pp.439-447, 2020 (Peer-Reviewed Journal)
- III. **Synthesis of some symmetric disulfides from thiophthalimides and amines under microwave irradiation**
Yakan H., Karakullukcu N., Cakmak S., Kutuk H.
Research Journal of Chemistry and Environment, vol.22, no.4, pp.45-54, 2018 (Scopus)

Books

- I. **Volume 2: Synthesis, Characterizations and Properties**
YAŞA ATMACA G., YAKAN H., KÜTÜK H., NEBİOĞLU M., GÜZEL E., ERDOĞMUŞ A.
in: Porphyrin Science By Women, Fabienne Dumoulin, Tebello Nyokong, Penelope J Brothers, Editor, World Scientific Publishing Co., pp.630-636, 2020

Papers Published in Refereed Scientific Meetings

- I. **SYNTHESIS AND STRUCTURE ELUCIDATION OF NEW SCHIFF BASE DERIVED 5-NITROISATIN**
BURUK O., YAKAN H.
HODJA AKHMET YASSAWI 6th International Conference on Scientific Research, Lankaran, Azerbaijan, 13 - 15 May 2022
- II. **SYNTHESIS AND SPECTROSCOPIC CHARACTERIZATION OF NEW ASYMMETRIC BIS-ISATIN DERIVATIVES**
YAKAN H., MUĞLU H.
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