

## Prof. Mehmet Salih Ağırtaş

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### Education Information

Doctorate, Van Yüzüncü Yil University, Fen Bilimleri Enstitüsü, Kimya Anabilim Dalı, Turkey 1995 - 1999

Post Graduate, Van Yüzüncü Yil University, Fen Bilimleri Enstitüsü, Kimya Anabilim Dalı, Turkey 1992 - 1995

Under Graduate, Van Yüzüncü Yil University, Fen Edebiyat Fakültesi, Kimya, Turkey 1986 - 1990

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Yeni tip substitüe ftalosiyanın ve metal komplekslerin sentezi ile porfirin- ftalosiyanın supramolekular bileşimlerinin spektral incelenmesi, Van Yüzüncü Yil University, Fen Bilimleri, Kimya Anabilim Dalı, 1999

Post Graduate, VANGÖLÜ ÇEVRESİNDEKİ TOPRAKLARDA Cu VE Ni KİRLİLİĞİNİN ATOMİK ABSORPSİYON SPEKTROMETRİ YÖNTEMİYLE TAYİNİ, Van Yüzüncü Yil University, Fen Bilimleri, Kimya Anabilim Dalı, 1995

### Research Areas

Chemistry, Inorganic Chemistry, Coordination Chemistry, Natural Sciences

### Academic Titles / Tasks

Professor, Van Yüzüncü Yil University, Fen Fakültesi, Kimya, 2015 - Continues

Associate Professor, Van Yüzüncü Yil University, Fen Edebiyat Fakültesi, Kimya, 2010 - 2015

Assistant Professor, Van Yüzüncü Yil University, Fen Edebiyat Fakültesi, Kimya, 2009 - 2010

Assistant Professor, Kafkas University, Fen Edebiyat Fakültesi, Kimya, 2000 - 2009

Research Assistant, Van Yüzüncü Yil University, Fen Bilimleri, Kimya Anabilim Dalı, 1992 - 1999

### Professional Experience

Rectorate Commissioner, Van Yüzüncü Yil University, Eğitim Öğretim Koordinatörlük, 2018 - Continues

Head of Department, Van Yüzüncü Yil University, Fen Fakültesi, Kimya, 2017 - Continues

Vice Dean, Van Yüzüncü Yil University, Fen Fakültesi, 2016 - Continues

Board Member, Van Yüzüncü Yil University, Fen Fakültesi, 2016 - Continues

## Advising Theses

- Ađırtař M. S. , Yeni Ftalosiyenin Komplekslerinin Sentezi ve Boyaya Duyarlı Gneř Pilleri İin Uygunluđunun İncelenmesi, Doctorate, D.GNGRD(Student), 2020
- Ađırtař M. S. , Potasyum bor hidrr(KBH<sub>4</sub>)hidrolizinin eřitli katalizrler varlıđında farklı parametrelere bađlı olarak incelenmesi, Doctorate, M.Salih(Student), 2019
- Ađırtař M. S. , Fenoksi 3-metoksibenzoik asit substituentli ftalosiyeninlerin sentezi ve bazı zelliklerinin arařtırılması, Post Graduate, Z.Balı(Student), 2017
- Ađırtař M. S. , 5-Metil-[1,2,4]triazolo[1,5-A]pirimidin-7-oksi substituentli ftalosiyeninlerin sentezi ve bazı zelliklerinin arařtırılması, Post Graduate, M.Yusuf(Student), 2017
- Ađırtař M. S. , Para ve benzeri deđerli kađıtların boyanması iin tasarlanan yeni ftalosiyenin bileřiklerinin sentezi, Doctorate, B.Cabir(Student), 2017
- Ađırtař M. S. , 4-(4-(2-Fenilpropan-2-il)fenoksi)substituentli ftalosiyeninlerin sentezi ve bazı zelliklerinin arařtırılması, Post Graduate, C.Durmuř(Student), 2017
- Ađırtař M. S. , SYNTHESIS AND INVESTIGATION OF SOME PROPERTIES OF OXY 2.2 DIPHENYLACETIC ACID SUBSTITUTED PHTHALOCYANINES, Post Graduate, S.Mubarak(Student), 2016
- Ađırtař M. S. , Metil 2-oksi-2,2-difenilasetat substituentli ftalosiyeninlerin sentezi ve bazı zelliklerinin arařtırılması, Post Graduate, C.Karatař(Student), 2015
- Ađırtař M. S. , Yeni iřlevsel fonksiyonlu ftalosiyeninlerin sentezi, karakterizasyonu ve bazı zelliklerinin incelenmesi, Doctorate, M.elebi(Student), 2014
- Ađırtař M. S. , 2-izopropil-6-metilpirimidin-4-iloksi substituentli ftalosiyeninlerin sentezi ve karakterizasyonu, Post Graduate, E.Dede(Student), 2014
- Ađırtař M. S. , 4-(1-(4-hidroksifenil)-1-feniletıl)fenoksi substitue ftalosiyenin komplekslerinin sentezi, Post Graduate, M.Gven(Student), 2013
- Ađırtař M. S. , Yeni 4-(2-fenoksi-1,3-diokso-2,3-dihidro-1H-inden-2-iloksi)ftalonitril substitentli metalli ftalosiyeninlerin sentezi ve karakterizasyonu, Post Graduate, İ.Gmř(Student), 2011
- Ađırtař M. S. , Tetra 5-metil-2-(2-fenilpropan-2-il)sikloheksiloksi substituentli metalli ftalosiyeninlerin sentezi ve karakterizasyonu, Post Graduate, B.Savař(Student), 2009
- Ađırtař M. S. , Benzo[d] tiyazol-2-iltiyo substituentli ftalosiyenin bileřiklerinin sentezi, Post Graduate, .Yoldıko(Student), 2007
- Ađırtař M. S. , Benzo[d] [1,3]dioxol-5-ilmetoksi ve 2-metilquinolin-8-iloksi substituentli ftalosiyeninlerin sentezi, Post Graduate, A.Yılan(Student), 2005
- Ađırtař M. S. , Dietoksikarbonilmetil ve 2-dimetilaminoetil sulfanil substituentlerini ieren metalli ftalosiyeninlerin sentezi, Post Graduate, S.zkaya(Student), 2004
- Ađırtař M. S. , 8-Kinolinoksi substituentli simetrik ve asimetrik metalli ftalosiyeninlerin sentezi, Post Graduate, E.elenk(Student), 2004

## Jury Memberships

- Appointment Academic Staff, Doentlik Kadro , Siirt niversitesi, December, 2019
- Appointment Academic Staff, Doent Atama, Siirt niversitesi, January, 2019
- Associate Professor Exam, AK, Ankara niversitesi, October, 2017
- Appointment Academic Staff, Profesr Ataması, Van YY, August, 2017
- Associate Professor Exam, AK, Ege niversitesi, March, 2017
- Associate Professor Exam, AK, Ankara niversitesi, March, 2017
- Appointment Academic Staff, Doent Atama, Van YY, August, 2016

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Co and Zn Metal Phthalocyanines with Bulky Substituents: Anticancer, Antibacterial Activities and Their Inhibitory Effects on Some Metabolic Enzymes with Molecular Docking Studies**  
TÜRKAN F., Taslimi P., Cabir B., Ağırtaş M. S., ERDEN Y., ÇELEBİOĞLU H. U., TÜZÜN B., BURSAL E., GÜLÇİN İ.  
POLYCYCLIC AROMATIC COMPOUNDS, 2021 (Journal Indexed in SCI)
- II. **Design of novel substituted phthalocyanines; synthesis and fluorescence, DFT, photovoltaic properties**  
Ağırtaş M. S., Güngördü Solğun D., Yıldiko Ü., Özkartal A.  
TURKISH JOURNAL OF CHEMISTRY, vol.44, pp.1574-1586, 2020 (Journal Indexed in SCI Expanded)
- III. **Synthesis, antioxidant, DNA cleavage and antimicrobial properties of phthalocyanine complexes bearing the poly-hydroxyl groups**  
Ağırtaş M. S., Cabir B., YILDIKO Ü., ÖZDEMİR S., GONCA S.  
CHEMICAL PAPERS, 2020 (Journal Indexed in SCI)
- IV. **Metal contained Phthalocyanines with 3,4-Dimethoxyphenethoxy substituents: their anticancer, antibacterial activities and their inhibitory effects on some metabolic enzymes with molecular docking studies**  
Taslimi P., TÜRKAN F., Gungordu Solgun D., Aras A., ERDEN Y., ÇELEBİOĞLU H. U., TÜZÜN B., Ağırtaş M. S., Gunay S., GÜLÇİN İ.  
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, 2020 (Journal Indexed in SCI)
- V. **Determination of anticancer properties and inhibitory effects of some metabolic enzymes including acetylcholinesterase, butyrylcholinesterase, alpha-glycosidase of some compounds with molecular docking study**  
TÜRKAN F., Taslimi P., Abdalrazaq S. M., Aras A., ERDEN Y., ÇELEBİOĞLU H. U., TÜZÜN B., Ağırtaş M. S., GÜLÇİN İ.  
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, 2020 (Journal Indexed in SCI)
- VI. **AN EFFICIENT TiO<sub>2</sub>-SUPPORTED RUTHENIUM (Ru/TiO<sub>2</sub>) CATALYST FOR ELECTROCHEMICAL HYDROGEN GENERATION FROM AQUEOUS POTASSIUM BOROHYDRIDE**  
Keskin M. S., Ağırtaş M. S., Sahin O., Horoz S.  
DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES, vol.15, no.2, pp.281-287, 2020 (Journal Indexed in SCI)
- VII. **Computational DFT calculations, photovoltaic properties and synthesis of (2R, 3S)-2, 3, 4-trihydroxybutoxy substituted phthalocyanines**  
Cabir B., YILDIKO Ü., Ağırtaş M. S., HOROZ S.  
INORGANIC AND NANO-METAL CHEMISTRY, 2020 (Journal Indexed in SCI)
- VIII. **DFT analysis and electronic properties, and synthesis of tetra (9-phenyl-9H-xanthen-9-yl) oxy peripheral-substituted zinc phthalocyanine**  
Solgun D. G., Keskin M. S., YILDIKO Ü., Ağırtaş M. S.  
CHEMICAL PAPERS, 2020 (Journal Indexed in SCI)
- IX. **Fluorescence properties in different solvents and synthesis of axially substituted silicon phthalocyanine bearing bis-4-tritylphenoxy units**  
Ağırtaş M. S.  
HETEROCYCLIC COMMUNICATIONS, vol.26, pp.130-136, 2020 (Journal Indexed in SCI)
- X. **Synthesis, DFT analysis, and electronic properties of new phthalocyanines bearing ETAE O substituents on peripheral position**  
Cabir B., YILDIKO Ü., Ağırtaş M. S.  
JOURNAL OF COORDINATION CHEMISTRY, vol.72, no.17, pp.2997-3011, 2019 (Journal Indexed in SCI)
- XI. **Synthesis of novel tetra (4-tritylphenoxy) substituted metallophthalocyanines and investigation of their aggregation, photovoltaic, solar cell properties**  
SOLGUN D. G., Horoz S., Ağırtaş M. S.  
INORGANIC AND NANO-METAL CHEMISTRY, vol.48, no.10, pp.508-514, 2019 (Journal Indexed in SCI)
- XII. **Synthesis of Tetra 3,4-dimethoxyphenethoxy Peripheral Substituted Metallophthalocyanines and Investigation of Some Properties**  
Ağırtaş M. S., SOLGUN D. G., Ozdemir S., Izgi M. S.

- CHEMISTRYSELECT, vol.3, no.12, pp.3523-3528, 2018 (Journal Indexed in SCI)
- XIII. **Investigation of DNA Binding Activities of Peripherally 2,10,16,24-Tetrakis Dimethyl 5-(Phenoxy)-Isophthalate-Substituted Ni(II) Phthalocyanine Complex**  
ARSLANTAŞ A., Ağırtaş M. S.  
CHEMISTRYSELECT, vol.3, no.11, pp.3155-3160, 2018 (Journal Indexed in SCI)
- XIV. **Studies on DNA Interaction with 2(3),9(10), 16(17), 23(24)-Tetrakis 2((4-Phenoxyphenyl)Diazeylbenzoic acid)phthalocyaninato Zinc (II) Compound**  
ARSLANTAŞ A., Ağırtaş M. S.  
CHEMISTRYSELECT, vol.3, no.6, pp.1755-1760, 2018 (Journal Indexed in SCI)
- XV. **The interaction between a zinc(II) phthalocyanine compound bearing octakis phenoxyacetamide substituents and calf thymus DNA**  
ARSLANTAŞ A., Ağırtaş M. S.  
TURKISH JOURNAL OF CHEMISTRY, vol.42, no.5, pp.1310-1320, 2018 (Journal Indexed in SCI)
- XVI. **Synthesis and antioxidant, aggregation, and electronic properties of 6-tert-butyl-1,4-benzodioxine substituted phthalocyanines**  
Ağırtaş M. S., Cabir B., Gümüş S., Ozdemir S., Dundar A.  
TURKISH JOURNAL OF CHEMISTRY, vol.42, no.1, pp.100-111, 2018 (Journal Indexed in SCI)
- XVII. **Investigation of DNA-Binding Activities of Zinc(II) and Cobalt(II) Phthalocyanine Compounds with 3,4,5-Trimethoxybenzyloxy Substituents**  
ARSLANTAŞ A., Ağırtaş M. S.  
CHEMISTRYSELECT, vol.2, no.35, pp.11659-11665, 2017 (Journal Indexed in SCI)
- XVIII. **Synthesis, Aggregation, Antioxidant and DNA-Binding Properties of Metallophthalocyanines Bearing 5-Tert-butyl-2-hydroxyphenoxy Groups**  
Ağırtaş M. S., Cabir B., Ozdemir S., Okumus V., ARSLANTAŞ A.  
CHEMISTRYSELECT, vol.2, no.34, pp.11352-11357, 2017 (Journal Indexed in SCI)
- XIX. **Methylene blue photocatalytic degradation under visible light irradiation on copper phthalocyanine-sensitized TiO<sub>2</sub> nanopowders**  
Cabir B., YURDERI M., CANER N., Ağırtaş M. S., Zahmakıran M., Kaya M.  
MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS, vol.224, pp.9-17, 2017 (Journal Indexed in SCI)
- XX. **A Comparative Study on DNA Binding Properties of 2,10,16,24-Tetrakis 4-(4-hydroxyphenyl)-1-phenylethyl phenoxy-Substituted Co(II) and Mg(II) Phthalocyanine Compounds**  
ARSLANTAŞ A., Ağırtaş M. S.  
CHEMISTRYSELECT, vol.2, no.27, pp.8661-8665, 2017 (Journal Indexed in SCI)
- XXI. **Synthesis of some metallophthalocyanines bearing 9-phenyl-9H-fluoren-9-yl) oxy functional groups and investigation of their photophysical properties**  
Cabir B., Ağırtaş M. S., Duygulu E., YÜKSEL F.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1142, pp.194-199, 2017 (Journal Indexed in SCI)
- XXII. **A new method for the reaction of cross-coupling: preparation of 5,5'-bi(1,10-phenanthroline)**  
Ağırtaş M. S.  
HETEROCYCLIC COMMUNICATIONS, vol.23, no.1, pp.7-8, 2017 (Journal Indexed in SCI)
- XXIII. **DNA cleavage properties and synthesis of metallophthalocyanines with 5-methyl-[1,2,4] triazolo [1,5-a] pyrimidin-7-oxy substituents**  
Ağırtaş M. S., Ondes M. Y., Ozdemir S., OKUMUŞ V.  
INORGANIC AND NANO-METAL CHEMISTRY, vol.47, no.7, pp.1097-1102, 2017 (Journal Indexed in SCI)
- XXIV. **Synthesis of metallophthalocyanines with four oxy-2,2-diphenylacetic acid substituents and their structural and electronic properties**  
Abdalrazaq S. M., Cabir B., Gümüş S., Ağırtaş M. S.  
HETEROCYCLIC COMMUNICATIONS, vol.22, no.5, pp.275-280, 2016 (Journal Indexed in SCI)
- XXV. **SYNTHESIS, CHARACTERIZATION, AGGREGATION BEHAVIOR, ANTIOXIDANT ACTIVITY, AND ANTIBACTERIAL ACTIVITY OF METALLOPHthalocyanines CARRYING FOUR PHTHALONITRILES**

## GROUP

GUVEN M. E. , Ağırtaş M. S. , Ozdemir S., Dundar A.

REVUE ROUMAINE DE CHIMIE, vol.61, no.3, pp.205-212, 2016 (Journal Indexed in SCI)

- XXVI. **Different peripheral substituted phthalocyanines: Synthesis, characterization, aggregation behavior, antioxidant and antibacterial activity**  
Çelebi M., Ağırtaş M. S. , Dundar A.  
JOURNAL OF STRUCTURAL CHEMISTRY, vol.56, no.8, pp.1638-1645, 2015 (Journal Indexed in SCI)
- XXVII. **Synthesis, Aggregation Behavior, and Electronic Properties of some Metallophthalocyanines with 2-Isopropyl-5-methylphenoxy Substituents**  
Ağırtaş M. S. , KARATAS C., Gümüş S.  
ZEITSCHRIFT FUR ANORGANISCHE UND ALLGEMEINE CHEMIE, vol.641, no.7, pp.1334-1339, 2015 (Journal Indexed in SCI)
- XXVIII. **Synthesis of Some Novel Phthalocyanines with Methyl 2-(oxy)-2,2-diphenylacetate Substituents, Evaluation of Their Antioxidant- Antibacterial Activities and Electronic Properties**  
Ağırtaş M. S. , KARATAS C., Gümüş S., Okumus V.  
ZEITSCHRIFT FUR ANORGANISCHE UND ALLGEMEINE CHEMIE, vol.641, no.2, pp.442-447, 2015 (Journal Indexed in SCI)
- XXIX. **Synthesis of some metallophthalocyanines with dimethyl 5-(phenoxy)-isophthalate substituents and evaluation of their antioxidant-antibacterial activities**  
Ağırtaş M. S. , KARATAS C., Ozdemir S.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.135, pp.20-24, 2015 (Journal Indexed in SCI)
- XXX. **Novel Cobalt(II), Zinc(II) Phthalocyanines Bearing Discrete Substituents: Synthesis, Characterization, Aggregation Behavior, Electrochemical Properties, and Antioxidant Activity**  
Ağırtaş M. S. , Cabir B., Dundar A., Okumus V., Ceyhan G.  
SYNTHESIS AND REACTIVITY IN INORGANIC METAL-ORGANIC AND NANO-METAL CHEMISTRY, vol.44, no.8, pp.1092-1098, 2014 (Journal Indexed in SCI)
- XXXI. **Metallo and metal free phthalocyanines bearing (4-(1(4-phenoxyphenyl)-1-phenylethyl)phenol substituents: Synthesis, characterization, aggregation behavior, electronic, antioxidant and antibacterial properties**  
Ağırtaş M. S. , GUVEN M. E. , Gümüş S., Ozdemir S., Dundar A.  
SYNTHETIC METALS, vol.195, pp.177-184, 2014 (Journal Indexed in SCI)
- XXXII. **Metallo phthalocyanines bearing (2-((2-hydroxyethyl) (p-tolyl)amino)ethoxy) and (2-((2-phenoxyethyl) (p-tolyl)amino)ethoxy)phthalonitrile substituents: Synthesis, characterization, aggregation behavior, antioxidant and antibacterial activity**  
Çelebi M., Ağırtaş M. S. , Okumus V., Ozdemir S.  
SYNTHETIC METALS, vol.195, pp.154-161, 2014 (Journal Indexed in SCI)
- XXXIII. **Metallo Phthalocyanines bearing 2-Isopropyl-6-methylpyrimidin-4-yloxy Substituents: Synthesis, Characterization, Aggregation Behavior, Antioxidant and Antibacterial Activity, and Electronic Properties**  
Ağırtaş M. S. , DEDE E., Gümüş S., Dundar A., Okumus V.  
ZEITSCHRIFT FUR ANORGANISCHE UND ALLGEMEINE CHEMIE, vol.640, no.10, pp.1953-1959, 2014 (Journal Indexed in SCI)
- XXXIV. **New water soluble phenoxy phenyl diazenyl benzoic acid substituted phthalocyanine derivatives: Synthesis, antioxidant activities, atypical aggregation behavior and electronic properties**  
Ağırtaş M. S. , Çelebi M., Gümüş S., Ozdemir S., Okumus V.  
DYES AND PIGMENTS, vol.99, no.2, pp.423-431, 2013 (Journal Indexed in SCI)
- XXXV. **Synthesis, Characterization, and Theoretical Studies on Some Metallophthalocyanines With Octakis Phenoxyacetamide Substituents**  
Ağırtaş M. S. , Gümüş S.  
SYNTHESIS AND REACTIVITY IN INORGANIC METAL-ORGANIC AND NANO-METAL CHEMISTRY, vol.43, no.5,

- pp.628-634, 2013 (Journal Indexed in SCI)
- XXXVI. **Novel metal (II) phthalocyanines with 3,4,5-trimethoxybenzyloxy-substituents: Synthesis, characterization, aggregation behaviour and antioxidant activity**  
Ağirtaş M. S. , Cabir B., Ozdemir S.  
DYES AND PIGMENTS, vol.96, no.1, pp.152-157, 2013 (Journal Indexed in SCI)
- XXXVII. **Design of Novel Binuclear Phthalocyanines formed by Dioxyphenyl Bridges: Synthesis and Investigation of Thermal and Antioxidant Properties**  
Ağirtaş M. S. , GUMUS I., Okumus V., Dundar A.  
ZEITSCHRIFT FUR ANORGANISCHE UND ALLGEMEINE CHEMIE, vol.638, no.11, pp.1868-1872, 2012 (Journal Indexed in SCI)
- XXXVIII. **Designing of New Thermo Stable Phthalocyanines: Synthesis, Characterization, and Thermal Studies**  
Ağirtaş M. S. , GUMUS I., Izgi M. S.  
SYNTHESIS AND REACTIVITY IN INORGANIC METAL-ORGANIC AND NANO-METAL CHEMISTRY, vol.42, no.9, pp.1327-1333, 2012 (Journal Indexed in SCI)
- XXXIX. **Synthesis, characterization, and electrochemical and electrical properties of novel mono and ball-type metallophthalocyanines with four 9,9-bis(4-hydroxyphenyl)fluorene**  
Ağirtaş M. S. , Altındal A., SALİH B., Saydam S., Bekaroglu O.  
DALTON TRANSACTIONS, vol.40, no.13, pp.3315-3324, 2011 (Journal Indexed in SCI)
- XL. **Synthesis and characterization of new metallophthalocyanines with four phenoxyacetamide units**  
Agirtas M. S. , Izgi M. S.  
JOURNAL OF MOLECULAR STRUCTURE, vol.927, pp.126-128, 2009 (Journal Indexed in SCI)
- XLI. **Highly soluble phthalocyanines with hexadeca tert-butyl substituents**  
Agirtas M. S.  
DYES AND PIGMENTS, vol.79, no.3, pp.247-251, 2008 (Journal Indexed in SCI)
- XLII. **Synthesis of new phthalocyanines substituted with four benzo[d]thiazol-2-ylthio groups**  
Agirtas M. S. , Yildiko U.  
JOURNAL OF COORDINATION CHEMISTRY, vol.61, no.17, pp.2781-2786, 2008 (Journal Indexed in SCI)
- XLIII. **Synthesis and characterization of novel symmetrical phthalocyanines substituted with four benzo[d][1,3] dioxol-5-ylmethoxy groups**  
Agirtas M. S.  
INORGANICA CHIMICA ACTA, vol.360, no.7, pp.2499-2502, 2007 (Journal Indexed in SCI)
- XLIV. **Non-aggregating phthalocyanines with bulky 2,4-di-tert-butylphenoxy-substituents**  
Agirtas M. S.  
DYES AND PIGMENTS, vol.74, no.2, pp.490-493, 2007 (Journal Indexed in SCI)
- XLV. **Synthesis of new phthalocyanines substituted with four 1H-benzoimidazol-2-ylsulfanyl and 2-(1H-benzo[d]imidazol-2-ylthioethoxy) groups**  
Agirtas M. S. , YILDIKO U., YILAN A.  
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.10, no.2, pp.117-121, 2006 (Journal Indexed in SCI)
- XLVI. **Determination of the characteristic parameters of polyaniline/p-type Si/Al structures from current-voltage measurements**  
SAĞLAM M., Biber M., Türüt A., Ağirtaş M. S. , Çakar M.  
International Journal of Polymeric Materials and Polymeric Biomaterials, vol.54, no.9, pp.805-813, 2005 (Journal Indexed in SCI Expanded)
- XLVII. **Synthesis of phthalocyanines crosswise-substituted with two alkylsulfanyl and two crown-ether**  
Agirtas M. S. , SONMEZ M., KANDAZ M., BEKAROGLU O.  
INDIAN JOURNAL OF CHEMISTRY SECTION B-ORGANIC CHEMISTRY INCLUDING MEDICINAL CHEMISTRY, vol.40, no.12, pp.1236-1238, 2001 (Journal Indexed in SCI)
- XLVIII. **Synthesis and characterization of new metal-free and metal phthalocyanines with peripheral N '-2-(cyanoethyl)aminoethylsulfanyl substituents**  
Agirtas M. S. , BEKAROGLU O.  
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.5, no.10, pp.717-720, 2001 (Journal Indexed in SCI)

- XLIX. **Spectral study of the supramolecular assemblies porphyrins-phthalocyanines**  
Agirtas S., ION R., BEKAROGLU O.  
MATERIALS SCIENCE & ENGINEERING C-BIOMIMETIC AND SUPRAMOLECULAR SYSTEMS, vol.7, no.2, pp.105-110,  
2000 (Journal Indexed in SCI)
- L. **Liquefaction of Prangmites australis by supercritical gas extraction**  
KUCUK M., Agirtas S.  
BIORESOURCETECHNOLOGY, vol.69, no.2, pp.141-143, 1999 (Journal Indexed in SCI)

### Articles Published in Other Journals

- I. **Preparation of Metal Complexes of 4,5-Dichlorophthalic Acid as Nanoscale and Electronic Properties**  
Keskin M. S. , Yildiko Ü., Güngördü Solğun D., Ağırtaş M. S.  
İğdir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.10, no.3, pp.1865-1875, 2020 (National Refereed University Journal)
- II. **An Investigation upon DNA Interaction of 2 (3), 9 (10), 16 (17), 23 (24) -Tetrakis 4-(4-(2-phenylprop-2-yl) phenoxy) Phthalocyanine Compound**  
Arslantaş A., Ağırtaş M. S. , Durmuş C.  
Hittite Journal of Science and Engineering, vol.7, no.2, pp.81-87, 2020 (National Refereed University Journal)
- III. **DNA binding studies of the 2,10,16,24-tetrakis (phenoxy-3-methoxybenzoic acid)phthalocyaninato) Co(II) and Cu(II) compounds**  
Ballı Z., Arslantaş A., Solgun D. G. , Ağırtaş M. S.  
SN APPLIED SCIENCES, vol.2, 2020 (Journal Indexed in ESCI)
- IV. **Potasyum Borhidrit Hidroliz Reaksiyonu İçin Ni-B-P Katalizörünün Kinetik Özellikleri**  
Kaskin M. S. , Ağırtaş M. S. , Baytar O., İzgi M. S. , Şahin Ö.  
Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, vol.9, no.2, pp.599-608, 2020 (Other Refereed National Journals)
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