

## Prof. Ahmet Gül

### Personal Information

Office Phone: [+90 212 285 6827](tel:+902122856827)

Fax Phone: [+90 212 285 6386](tel:+902122856386)

Email: [ahmetg@itu.edu.tr](mailto:ahmetg@itu.edu.tr)

Web: <http://www.kimya.itu.edu.tr/gula>

Address: Fen Edebiyat Fakültesi Kimya Bölümü 34469 Maslak, İstanbul

### Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Turkey 1978 - 1983

Postgraduate, Istanbul University, Kimya Fakültesi, Kimya Yüksek Mühendisliği, Turkey 1971 - 1976

### Foreign Languages

English

### Dissertations

Doctorate, 5,6-dihidrosiklopent (f,g)asenoaftilen 1,2-diondioksim ve n,n-bis (4-benzo(15-crown-5))diaminoglioksim sentezi ve komplekslerinin incelenmesi, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, 1983

### Research Areas

Basic Sciences, Chemistry, Inorganic Chemistry, Coordination Chemistry

### Academic Titles / Tasks

Professor, Istanbul Technical University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 1992 - Continues

Associate Professor, Istanbul Technical University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 1989 - 1992

Assistant Professor, Istanbul Technical University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 1986 - 1989

### Academic and Administrative Experience

İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, 2009 - 2015

İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2000 - 2009

İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2005 - 2008

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. Effect of heteroatom-doped carbon quantum dots on the red emission of metal-conjugated

### **phthalocyanines through hybridization**

Eryigit S., Gelir A., Budak E., Ünlü C., Gömleksiz A., Özçeşmeci İ., Gül A.

LUMINESCENCE, vol.37, no.2, pp.268-277, 2022 (Journal Indexed in SCI)

- II. **Novel Co and Zn-Phthalocyanine dyes with octa-carboxylic acid substituents for DSSCs**  
Ilgun C., Sevim A. M. , ÇAKAR S., ÖZACAR M., Gül A.  
SOLAR ENERGY, vol.218, pp.169-179, 2021 (Journal Indexed in SCI)
- III. **Metallophthalocyanine/polyacrylonitrile nanofibers by solution blow spinning technique for enhanced photocatalytic activity by visible light**  
Ergun A. B. , Sevim A. M. , Kılıç A., Gül A.  
JOURNAL OF APPLIED POLYMER SCIENCE, 2020 (Journal Indexed in SCI)
- IV. **Optical and morphological properties and in silico studies on metallophthalocyanines containing pyridyloxy moieties**  
SORAR İ., Özçeşmeci İ., Katirci R., Gül A.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1212, 2020 (Journal Indexed in SCI)
- V. **Novel metallophthalocyanines with bulky 4-[3,4-bis(benzyloxy)benzylidene]aminophenoxy substituents**  
Sevim A. M. , Yuzeroglu M., Gül A.  
MONATSCHEFTE FÜR CHEMIE, vol.151, no.7, pp.1059-1068, 2020 (Journal Indexed in SCI)
- VI. **Synthesis and photophysical properties of monomeric and dimeric halogenated aza-BODIPYs**  
Çınar H. Ş. , Özçelik Ş., Kaya K., Kutlu O. D. , ERDOĞMUŞ A., Gül A.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1200, 2020 (Journal Indexed in SCI)
- VII. **Near-infrared absorbing pi-extended hexadeca substituted phthalocyanines**  
Pekbelgin Karaoğlu H. R. , Atsay A., Nar I., McKee V., Koçak M., Hamuryudan E., Gül A.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1197, pp.736-741, 2019 (Journal Indexed in SCI)
- VIII. **Optical and Morphological Properties of New Metallophthalocyanines with Hydroxyethylsulfanyl Substituents**  
SORAR İ., Özceveeı I., Gül A.  
PROTECTION OF METALS AND PHYSICAL CHEMISTRY OF SURFACES, vol.55, no.5, pp.1019-1024, 2019 (Journal Indexed in SCI)
- IX. **Role of hexyloxy groups in zinc phthalocyanines bearing sulfonic acid anchoring groups for dye-sensitized solar cells**  
Guzel E., ŞİŞMAN İ., Gül A., Koçak M.  
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.23, no.3, pp.279-286, 2019 (Journal Indexed in SCI)
- X. **Synthesis and boron interaction of new amino acid containing phthalocyanines and the precursor**  
Baseren S. C. , ERDOĞMUŞ A., Gül A.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.866, pp.105-111, 2018 (Journal Indexed in SCI)
- XI. **Electrochemical and photovoltaic properties of highly efficient solar cells with cobalt/zinc phthalocyanine sensitizers**  
Sevim A. M. , Cakar S., ÖZACAR M., Gül A.  
SOLAR ENERGY, vol.160, pp.18-24, 2018 (Journal Indexed in SCI)
- XII. **Synthesis, photophysical and electrochemical properties of novel unsymmetrical phthalocyanines with a Sudan IV moiety**  
Özçeşmeci İ., Buyuk P., Nar I., Gül A.  
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.22, pp.112-120, 2018 (Journal Indexed in SCI)
- XIII. **Electrocatalytic hydrogen evolution reaction with a supramolecular cobalt(II)phthalocyanine carrying four cobaloxime moieties**  
Özçeşmeci İ., Demir A., Akyuz D., Koca A., Gül A.  
INORGANICA CHIMICA ACTA, vol.466, pp.591-598, 2017 (Journal Indexed in SCI)
- XIV. **A novel polystyrene with non-symmetrical zinc phthalocyanines as terminal group**  
SUTCULER Y. A. , Sevim A. M. , Canak T., Serhatlı İ. E. , Gül A.  
DYES AND PIGMENTS, vol.144, pp.58-68, 2017 (Journal Indexed in SCI)

- XV. **Novel homoleptic, dimeric zinc(II) phthalocyanines as gate dielectric for OFET device**  
KESER KARAOĞLAN G., GÜMRÜKÇÜ KÖSE G., GÖRDÜK S., CAN N., Gül A.  
SYNTHETIC METALS, vol.230, pp.7-11, 2017 (Journal Indexed in SCI)
- XVI. **Synthesis, photophysical and electrochemical properties of novel hexadeca-substituted phthalocyanines bearing naphthoxy groups**  
Kurt O., Özçeşmeci İ., Koca A., Gül A., Kocak M.  
DYES AND PIGMENTS, vol.137, pp.236-243, 2017 (Journal Indexed in SCI)
- XVII. **Synthesis and spectroscopic investigation of boronic esters of metal-free fluorinated and non-fluorinated phthalocyanines**  
Özçeşmeci İ., OZCESMECI M., Gül A., HAMURYUDAN E.  
SYNTHETIC METALS, vol.222, pp.344-350, 2016 (Journal Indexed in SCI)
- XVIII. **Photocatalytic degradation of persistent organic pollutants under visible irradiation by TiO<sub>2</sub> catalysts sensitized with Zn(II) and Co(II) tetracarboxy-phthalocyanines**  
Mahmiani Y., SEVİM A. M. , Gül A.  
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.20, pp.1190-1199, 2016 (Journal Indexed in SCI)
- XIX. **Synthesis and characterization of a novel alkoxy substituted gold(III) phthalocyanine**  
Bilal C., SEVİM A. M. , Gül A.  
INORGANIC CHEMISTRY COMMUNICATIONS, vol.69, pp.10-12, 2016 (Journal Indexed in SCI)
- XX. **Photocatalytic degradation of 4-chlorophenol under visible light by using TiO<sub>2</sub> catalysts impregnated with Co(II) and Zn(II) phthalocyanine derivatives**  
Mahmiani Y., SEVİM A. M. , Gül A.  
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.321, pp.24-32, 2016 (Journal Indexed in SCI)
- XXI. **Optical studies on phthalocyanines substituted with phenylazonaphthoxy groups**  
Özçeşmeci İ., Sorar I., Gül A.  
PHILOSOPHICAL MAGAZINE, vol.96, no.28, pp.2986-2999, 2016 (Journal Indexed in SCI)
- XXII. **Liquid state N-15 NMR studies of N-15 isotope labeled phthalocyanines**  
Atsay A., Gül A., KOCAK M.  
TURKISH JOURNAL OF CHEMISTRY, vol.40, no.1, pp.163-173, 2016 (Journal Indexed in SCI)
- XXIII. **Cobaltacarborane functionalized phthalocyanines: Synthesis, photophysical, electrochemical and spectroelectrochemical properties**  
Nar I., Gül A., SIVAEV I. B. , HAMURYUDAN E.  
SYNTHETIC METALS, vol.210, pp.376-385, 2015 (Journal Indexed in SCI)
- XXIV. **Synthesis, electrochemistry and in situ spectroelectrochemistry of novel hexadeca-substituted phthalocyanines with three different groups**  
Kurt O., Koca A., Gül A., KOCAK M.  
SYNTHETIC METALS, vol.206, pp.72-83, 2015 (Journal Indexed in SCI)
- XXV. **Synthesis, characterization, fluorescence spectra and energy transfer properties of a novel unsymmetrical zinc phthalocyanine with peripherally coordinated Ru(II) complex**  
Ceylan N., Gumrukcu G., Karaoglan G. K. , Gül A.  
SYNTHETIC METALS, vol.206, pp.55-60, 2015 (Journal Indexed in SCI)
- XXVI. **A new unsymmetrical phthalocyanine with a single o-carborane substituent**  
Ozgun N., NAR I., Gül A., HAMURYUDAN E.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.781, pp.53-58, 2015 (Journal Indexed in SCI)
- XXVII. **Aggregation behavior in unsymmetrically substituted metal-free phthalocyanines**  
Kobak R. Z. U. , ARI M. U. , TEKİN A., Gül A.  
CHEMICAL PHYSICS, vol.448, pp.91-97, 2015 (Journal Indexed in SCI)
- XXVIII. **Microwave-assisted synthesis, electrochemistry and spectroelectrochemistry of amphiphilic phthalocyanines**  
Guzel E., Koca A., Gül A., KOCAK M.  
SYNTHETIC METALS, vol.199, pp.372-380, 2015 (Journal Indexed in SCI)

- XXIX. **Photophysical and photochemical properties of a zinc phthalocyanine with four diphenylborinic ester moieties**  
Özçelik Ş., Karaoglan G. K., Gumrukcu G., ERDOĞMUŞ A., Gül A.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.769, pp.17-23, 2014 (Journal Indexed in SCI)
- XXX. **Synthesis and in vitro study of new highly boronated phthalocyanine**  
Shmal'ko A., EFREMENKO A. V., IGNATOVA A. A., SIVAEV I. B., FEOFANOV A. V., HAMURYUDAN E., GUEL A., KOVALENKO L. V., QI S., BREGADZE V. I.  
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.18, pp.960-966, 2014 (Journal Indexed in SCI)
- XXXI. **A.c. and d.c. conduction processes in octakis[(4-tert-butylbenzylthio)-porphyrinato]Cu(II) thin films with gold electrodes**  
KESKİN B., ALTINDAL A., Avciata U., Gül A.  
BULLETIN OF MATERIALS SCIENCE, vol.37, no.3, pp.461-468, 2014 (Journal Indexed in SCI)
- XXXII. **Synthesis, characterization and electrochemical investigation of phthalocyanines carrying 96 boron atoms**  
Birsoz B., Nar I., Gül A.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.755, pp.64-71, 2014 (Journal Indexed in SCI)
- XXXIII. **Synthesis and photophysical properties of novel hexadeca-substituted phthalocyanines bearing three different groups**  
Kurt O., OZCESMECI İ., GUL A., Kocak M.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.754, pp.8-15, 2014 (Journal Indexed in SCI)
- XXXIV. **Synthesis and aggregation behavior of zinc phthalocyanines substituted with bulky naphthoxy and phenylazonaphthoxy groups: An experimental and theoretical study**  
Özçeşmeci İ., TEKİN A., GUL A.  
SYNTHETIC METALS, vol.189, pp.100-110, 2014 (Journal Indexed in SCI)
- XXXV. **Synthesis and photophysical properties of indium(III) phthalocyanine derivatives**  
Özçeşmeci İ., GELİR A., Gül A.  
JOURNAL OF LUMINESCENCE, vol.147, pp.141-146, 2014 (Journal Indexed in SCI)
- XXXVI. **Photophysical, Photochemical, and BQ Quenching Properties of Zinc Phthalocyanines with Fused or Interrupted Extended Conjugation**  
Gumrukcu G., Karaoglan G. K., ERDOĞMUŞ A., Gül A., Avciata U.  
JOURNAL OF CHEMISTRY, 2014 (Journal Indexed in SCI)
- XXXVII. **A new hexadeca substituted non-aggregating zinc phthalocyanine**  
Atsay A., GUL A., Kocak M.  
DYES AND PIGMENTS, vol.100, pp.177-183, 2014 (Journal Indexed in SCI)
- XXXVIII. **Boron-containing tetrapyrroles**  
Özçelik Ş., GUL A.  
TURKISH JOURNAL OF CHEMISTRY, vol.38, no.6, pp.950-979, 2014 (Journal Indexed in SCI)
- XXXIX. **Synthesis characterization and electrochemical investigation of phthalocyanines carrying 96 boron atoms**  
Gül A.  
J. Organometal. Chem., vol.755, pp.64-71, 2014 (Journal Indexed in SCI Expanded)
- XL. **Synthesis spectral and photophysical investigation of porphyrazines with eight 3 quinolinecarboxy esters**  
Gül A.  
Journal of Coordination Chemistry, vol.66, no.24, pp.4316-4329, 2013 (Journal Indexed in SCI Expanded)
- XLI. **Photophysical properties of anthracenylmethyloxycarbonylmethylsulfanyl-phthalocyanines**  
Sevim A. M., ARIKAN S., OZCESMECI İ., GUL A.  
SYNTHETIC METALS, vol.183, pp.1-7, 2013 (Journal Indexed in SCI)
- XLII. **Preparation and characterization of silver nanoparticle-porphyrazine composites**  
Sevim A. M., KESKİN A. S., GUL A.  
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.17, no.10, pp.928-933, 2013 (Journal Indexed in SCI)

- XLIII. **Synthesis and photophysical properties of a novel ethynyl zinc(II) phthalocyanine and its functionalized derivative with click chemistry**  
Sevim A. M. , OZCESMECI İ., GUL A.  
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.17, pp.540-547, 2013 (Journal Indexed in SCI)
- XLIV. **Synthesis, characterization and photodynamic activity of a new amphiphilic zinc phthalocyanine**  
Guzel E., ATSAY A., Nalbantoglu S., Saki N., DOĞAN A., Gül A., KOCAK M.  
DYES AND PIGMENTS, vol.97, no.1, pp.238-243, 2013 (Journal Indexed in SCI)
- XLV. **Different phenylboronic acid azaester formation modes in a substituted zinc phthalocyanine and its precursor**  
Özçelik Ş., Gül A.  
POLYHEDRON, vol.50, no.1, pp.461-466, 2013 (Journal Indexed in SCI)
- XLVI. **New Highly Boronated Zn II Phthalocyanine Synthesis and in vitro Study**  
Gül A.  
Biochemical and Biophysical Journal of Neutron Therapy & Cancer Treatments, vol.1, pp.8-14, 2013 (Journal Indexed in SCI Expanded)
- XLVII. **A novel phthalocyanine conjugated with four salicylideneimino complexes: Photophysics and fluorescence quenching studies**  
Gumrukcu G., Karaoglan G. K. , ERDOĞMUŞ A., Gül A., Avciata U.  
DYES AND PIGMENTS, vol.95, no.2, pp.280-289, 2012 (Journal Indexed in SCI)
- XLVIII. **Synthesis and electrochemical investigation of phthalocyanines with dendritic bulky ethereal substituents**  
Özçelik Ş., Koca A., Gül A.  
POLYHEDRON, vol.42, no.1, pp.227-235, 2012 (Journal Indexed in SCI)
- XLIX. **Novel water-soluble metallophthalocyanines supported on cotton fabric**  
Yildirim O., Sevim A. M. , Gül A.  
COLORATION TECHNOLOGY, vol.128, no.3, pp.236-243, 2012 (Journal Indexed in SCI)
- L. **Synthesis of Ni(II) porphyrazine peripherally 4-tert-butylbenzylthio moiety and electronic Schottky barrier diode octa-substituted with the properties of the Al/Ni(II)Pz/p-Si Schottky barrier diode**  
KESKİN B., DENKTAŞ C., ALTINDAL A., Avciata U., Gül A.  
POLYHEDRON, vol.38, no.1, pp.121-125, 2012 (Journal Indexed in SCI)
- LI. **Preparation of novel heterogeneous catalysts by adsorption of a cationic tetrapyrrole on to bentonite: equilibrium, kinetics, and thermodynamics**  
Sevim A. M. , HOJIYEV R., Gül A., CELİK M. S.  
MONATSHEFTE FÜR CHEMIE, vol.143, no.3, pp.385-400, 2012 (Journal Indexed in SCI)
- LII. **Synthesis and spectroelectrochemistry of new phthalocyanines with ester functionalities**  
Sevim A. M. , ARIKAN S., Koca A., Gül A.  
DYES AND PIGMENTS, vol.92, no.3, pp.1114-1121, 2012 (Journal Indexed in SCI)
- LIII. **Synthesis and photophysical properties phthalocyanine-pyrene dyads**  
Özçesmeçi İ., GELİR A., Gül A.  
DYES AND PIGMENTS, vol.92, no.3, pp.954-960, 2012 (Journal Indexed in SCI)
- LIV. **Boronic ester of a phthalocyanine precursor with a salicylaldimino moiety**  
Özçelik Ş., Gül A.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.699, pp.87-91, 2012 (Journal Indexed in SCI)
- LV. **Unsymmetrical phthalocyanines with cyclopalladated azo functions**  
Akkurt H. Y. Y. , OKUR A. I. , Gül A.  
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.16, no.2, pp.192-199, 2012 (Journal Indexed in SCI)
- LVI. **Synthesis, characterization, electrochemistry and spectroelectrochemistry of novel soluble porphyrazines bearing unsaturated functional groups**  
Tuncer S., Koca A., Gül A., Avciata U.  
DYES AND PIGMENTS, vol.92, no.1, pp.610-618, 2012 (Journal Indexed in SCI)
- LVII. **A novel soluble phthalocyanine capable of binding four boronic esters**

- Özçelik Ş., Karaoglan G. K., Gumrukcu G., GÜL A.  
TURKISH JOURNAL OF CHEMISTRY, vol.36, no.6, pp.899-906, 2012 (Journal Indexed in SCI)
- LVIII. **Boron-Containing Phthalocyanines and Porphyrazines**  
Sivaev I. B., Bregadze V. I., Gül A., Mironov A. F.  
MACROHETEROCYCLES, vol.5, pp.292-301, 2012 (Journal Indexed in SCI)
- LIX. **EFFECTS OF A PORPHYRAZINE DERIVATIVE ON SOME DEVELOPMENTAL CHARACTERISTICS OF DROSOPHILA MELANOGASTER**  
Karatas A., Ertan F., Saki N., Baspinar E., Sevim A. M., Gül A.  
ACTA BIOLOGICA HUNGARICA, vol.62, no.4, pp.426-440, 2011 (Journal Indexed in SCI)
- LX. **Zinc(II)phthalocyanine as an optical window for visible region**  
Özçeşmeci İ., Sorar I., Gül A.  
INORGANIC CHEMISTRY COMMUNICATIONS, vol.14, no.8, pp.1254-1257, 2011 (Journal Indexed in SCI)
- LXI. **The use of novel photobleachable phthalocyanines to image DNA**  
Turanli-Yildiz B., SEZGIN T., Çakar Z. P., USLAN C., Sesalan B. Ş., GÜL A.  
SYNTHETIC METALS, vol.161, pp.1720-1724, 2011 (Journal Indexed in SCI)
- LXII. **Synthesis and characterization of novel soluble phthalocyanines with fused conjugated unsaturated groups**  
Karaoglan G. K., Gumrukcu G., Koca A., Gül A., Avciata U.  
DYES AND PIGMENTS, vol.90, no.1, pp.11-20, 2011 (Journal Indexed in SCI)
- LXIII. **Boronic esters of a porphyrazine and its precursor**  
Baseren S. C., OZCELIK Ş., Gül A.  
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.15, pp.742-747, 2011 (Journal Indexed in SCI)
- LXIV. **Synthesis and electrochemical and in situ spectroelectrochemical characterization of manganese, vanadyl, and cobalt phthalocyanines with 2-naphthoxy substituents**  
Özçeşmeci İ., Koca A., GÜL A.  
ELECTROCHIMICA ACTA, vol.56, no.14, pp.5102-5114, 2011 (Journal Indexed in SCI)
- LXV. **Preparation of heterogeneous phthalocyanine catalysts by cotton fabric dyeing**  
Sevim A. M., ILGUN C., Gül A.  
DYES AND PIGMENTS, vol.89, no.2, pp.162-168, 2011 (Journal Indexed in SCI)
- LXVI. **The synthesis, characterization, electrochemical and spectroelectrochemical properties of a novel, cationic, water-soluble Zn phthalocyanine with extended conjugation**  
Karaoglan G. K., Gumrukcu G., Koca A., Gül A.  
DYES AND PIGMENTS, vol.88, no.3, pp.247-256, 2011 (Journal Indexed in SCI)
- LXVII. **An investigation of the kinetics and thermodynamics of the adsorption of a cationic cobalt porphyrazine onto sepiolite**  
Sevim A. M., HOJYEV R., Gül A., CELIK M. S.  
DYES AND PIGMENTS, vol.88, no.1, pp.25-38, 2011 (Journal Indexed in SCI)
- LXVIII. **The synthesis and cyclotetramerisation reactions of aryloxy-, arylalkyloxy-substituted pyrazine-2,3-dicarbonitriles and spectroelectrochemical properties of octakis(hexyloxy)-pyrazinoporphyrazine**  
Kobak R. Z. U., OZTURK E. S., Koca A., Gül A.  
DYES AND PIGMENTS, vol.86, no.2, pp.115-122, 2010 (Journal Indexed in SCI)
- LXIX. **Radical scavenging and invitro antifungal activities of Cu(II) and Co(II) complexes of the t-butylphenyl derivative of porphyrazine**  
KESKİN B., PEKSEL A., Avciata U., Gül A.  
JOURNAL OF COORDINATION CHEMISTRY, vol.63, no.22, pp.3999-4006, 2010 (Journal Indexed in SCI)
- LXX. **The photodegradation of a zinc phthalocyanine**  
Gumustas M. K., Sesalan B. Ş., ATUKEREN P., YAVUZ B., Gül A.  
JOURNAL OF COORDINATION CHEMISTRY, vol.63, no.24, pp.4319-4331, 2010 (Journal Indexed in SCI)
- LXXI. **2 3 7 8 13 14 17 18 Octakis ethyl sulfanyl 5 10 15 20 porphyrazinato zinc II**  
Gül A.  
Acta Cryst., vol.66, no.1, pp.998-999, 2010 (Journal Indexed in SCI Expanded)

- LXXII. **Synthesis and EPR studies of a near infrared absorbing tetrakis(2-naphthoxy)vanadylphthalocyanine**  
Özçeşmeci İ., Yerli Y., OKUR A. I. , Gül A.  
INORGANIC CHEMISTRY COMMUNICATIONS, vol.12, no.7, pp.625-627, 2009 (Journal Indexed in SCI)
- LXXIII. **Voltammetric and spectroelectrochemical characterization and electrocatalytic application of metallophthalocyanines carrying pendant bulky units**  
KOCA A., Dincer H. A. , Gonca E., Gül A.  
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.13, no.6, pp.669-680, 2009 (Journal Indexed in SCI)
- LXXIV. **1,4-Dithiaheterocycle-fused porphyrazines: Synthesis, characterization, voltammetric and spectroelectrochemical properties**  
Tuncer S., Koca A., GUEL A., Avciata U.  
DYES AND PIGMENTS, vol.81, no.2, pp.144-151, 2009 (Journal Indexed in SCI)
- LXXV. **MONOMERIC AND HOMOLEPTIC THORIUM PORPHYRAZINE DERIVATIVES**  
Gonca E., Gül A.  
REVIEWS IN INORGANIC CHEMISTRY, vol.29, no.2, pp.131-140, 2009 (Journal Indexed in SCI)
- LXXVI. **New phthalocyanines containing bulky electron rich substituents**  
ÖZÇEŞMECİ İ., GÜNEY O., Ali İhsan O., Gül A.  
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.13, no.6, pp.753-759, 2009 (Journal Indexed in SCI Expanded)
- LXXVII. **Water soluble novel phthalocyanines containing dodeca-amino groups**  
Sesalan B. Ş. , Koca A., Gül A.  
DYES AND PIGMENTS, vol.79, no.3, pp.259-264, 2008 (Journal Indexed in SCI)
- LXXVIII. **Voltammetric, spectroelectrochemical, and electrocatalytic properties of thiol-derivatized phthalocyanines**  
Osmanbas O. A. , Koca A., Özçeşmeci İ., OKUR A. I. , GUL A.  
ELECTROCHIMICA ACTA, vol.53, no.15, pp.4969-4980, 2008 (Journal Indexed in SCI)
- LXXIX. **Synthesis, electrochemistry and in situ Spectroelectrochemistry of soluble lead phthalocyanines**  
Dincer H. A. , ŞENER M. K. , Koca A., GUL A., Koçak M.  
ELECTROCHIMICA ACTA, vol.53, no.9, pp.3459-3467, 2008 (Journal Indexed in SCI)
- LXXX. **Voltammetric and spectroelectrochemical characterization of porphyrazines: Electrochemical metal sensor**  
Koca A., Gonca E., GUEL A.  
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.612, no.2, pp.231-240, 2008 (Journal Indexed in SCI)
- LXXXI. **Synthesis Absorption and Fluorescence Spectral Investigation of Porphyrazines with Eight 2 Naphthalenecarboxy Esters**  
Gül A.  
Polish J. Chem, vol.82, no.1, pp.2039-2047, 2008 (Journal Indexed in SCI Expanded)
- LXXXII. **Novel phthalocyanines bearing both quaternizable and bulky substituents**  
Dincer H. A. , KOCA A., Gul A., KOCAK M.  
DYES AND PIGMENTS, vol.76, no.3, pp.825-831, 2008 (Journal Indexed in SCI)
- LXXXIII. **Synthesis, Characterization and Electrochemistry of New Soluble Porphyrazine Complexes Bearing Octakis 3-Methylbutylthio Substituents**  
Erdogmus A., Koca A., Avciata U., GUEL A.  
ZEITSCHRIFT FUR ANORGANISCHE UND ALLGEMEINE CHEMIE, vol.634, no.14, pp.2649-2654, 2008 (Journal Indexed in SCI)
- LXXXIV. **DNA and BSA binding studies of novel tetracationic phthalocyanines**  
Gül A.  
J. Porphyrins Phthalocyanines, vol.12, pp.932-941, 2008 (Journal Indexed in SCI Expanded)
- LXXXV. **Synthesis and characterization of a new tetracationic phthalocyanine**  
Karaoglu H. R. P. , GUEL A., KOCAK M.  
DYES AND PIGMENTS, vol.76, no.1, pp.231-235, 2008 (Journal Indexed in SCI)

- LXXXVI. **Synthesis and electrochemical characterization of biphenyl-malonic ester substituted cobalt, copper, and palladium phthalocyanines**  
Sener M. K. , KOCA A., GUEL A., KOCAK M.  
POLYHEDRON, vol.26, no.5, pp.1070-1076, 2007 (Journal Indexed in SCI)
- LXXXVII. **Tetranuclear supramolecular structures phthalocyanine cores containing**  
Özçeşmeci İ., GÜNER S., Ali İhsan O., GÜL A.  
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.11, no.7, pp.531-536, 2007 (Journal Indexed in SCI Expanded)
- LXXXVIII. **Peripherally tetra-palladated phthalocyanines**  
Yenilmez H. Y. , OKUR A. I. , Gul A.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.692, no.5, pp.940-945, 2007 (Journal Indexed in SCI)
- LXXXIX. **New phthalocyanines bearing tetra(hydroxyethylthio) functionalities**  
Ozcesmeci I., OKUR A. I. , GUL A.  
DYES AND PIGMENTS, vol.75, no.3, pp.761-765, 2007 (Journal Indexed in SCI)
- XC. **Tuning of phthalocyanine absorption ranges by additional substituents**  
Dincer H. A. , GUL A., Kocak M.  
DYES AND PIGMENTS, vol.74, no.3, pp.545-550, 2007 (Journal Indexed in SCI)
- XCI. **Investigation of the electrocatalytic activity of metalophthalocyanine complexes for hydrogen production from water**  
Koca A., SENER M. K. , KOCAK M., Gul A.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.31, no.15, pp.2211-2216, 2006 (Journal Indexed in SCI)
- XCII. **Spectroelectrochemical characterization and controlled potential chronocoulometric demetallation of tetra- and octa-substituted lead phthalocyanines**  
Koca A., DINCER H. A. , CERLEK H., GUL A., Kocak M.  
ELECTROCHIMICA ACTA, vol.52, no.3, pp.1199-1205, 2006 (Journal Indexed in SCI)
- XCIII. **Partially oxidized porphyrazines**  
Nazli A., Gonca E., Gül A.  
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.10, no.7, pp.996-1002, 2006 (Journal Indexed in SCI)
- XCIV. **Synthesis and characterisation of 5,6-bis(salicylideneimino)-1,10-phenanthroline and its trinuclear complexes**  
Demirhan N., Avciata U., Gül A.  
INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY, vol.44, no.4, pp.729-732, 2005 (Journal Indexed in SCI)
- XCv. **Magnesium porphyrinate with eight triphenylphosphonium moieties attached through (2-sulfanyl-ethoxycarbonyl-2-propyl) bridges**  
Gonca E., Gul A.  
INORGANIC CHEMISTRY COMMUNICATIONS, vol.8, no.4, pp.343-346, 2005 (Journal Indexed in SCI)
- XCVI. **Synthesis, characterization and EPR studies of supramolecular porphyrazines**  
Ozturk R., GUNER S., AKTAS B., Gul A.  
SUPRAMOLECULAR CHEMISTRY, vol.17, no.3, pp.233-241, 2005 (Journal Indexed in SCI)
- XCvII. **Synthesis and spectral properties of tetra and octa substituted lead phthalocyanines**  
DİNÇER H., Hatice c., GÜL A., KOÇAK M.  
Main Group Chemistry, no.4, pp.209, 2005 (Journal Indexed in SCI)
- XCvIII. **Octakis(1 naphthylmethylthio) substituted porphyrazine derivatives**  
Gonca E., KOSEOGLU Y., AKTAS B., Gul A.  
POLYHEDRON, vol.23, no.10, pp.1845-1849, 2004 (Journal Indexed in SCI)
- XCIX. **A novel route to 4-chloro-5-alkyl-phthalonitrile and phthalocyanines derived from it**  
Dincer H., Gul A., KOÇAK M.  
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.8, no.10, pp.1204-1208, 2004 (Journal Indexed in SCI)
- C. **Synthesis and electrochemical properties of porphyrazines with annulated 1,4-dithiaheterocycles**  
Sesalan B. Ş. , KOCA A., Gul A.



POLYHEDRON, vol.22, no.23, pp.3083-3090, 2003 (Journal Indexed in SCI)

- CI. **Synthesis of novel maleonitrile derivatives**  
Sesalan B. Ş. , Gul A.  
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.178, no.9, pp.2081-2086, 2003 (Journal Indexed in SCI)
- CII. **Electrochemical investigation on porphyrazines with peripheral crown ether groups**  
KOCA A., Sağlam Ö., GÜL A.  
MONATSHEFTE FÜR CHEMIE, vol.134, pp.11-21, 2003 (Journal Indexed in SCI)
- CIII. **Synthesis of tetra(tricarboxy)- and tetra(dicarboxy)-substituted soluble phthalocyanines**  
Sener M., Gül A., Koçak M.  
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.7, pp.617-622, 2003 (Journal Indexed in SCI)
- CIV. **Synthesis and ESR studies of a soluble vanadyl porphyrazine**  
Ozturk R., GUNER S., AKTAS B., Gul A.  
SYNTHESIS AND REACTIVITY IN INORGANIC AND METAL-ORGANIC CHEMISTRY, vol.31, no.9, pp.1623-1630, 2001 (Journal Indexed in SCI)
- CV. **Octakis(ferrocene)-substituted porphyrazines**  
Akku H., Gul A.  
TRANSITION METAL CHEMISTRY, vol.26, no.6, pp.689-694, 2001 (Journal Indexed in SCI)
- CVI. **Novel crown ether-substituted phthalocyanines**  
Kocak M., CIHAN A., OKUR A., Gul A., BEKAROGLU O.  
DYES AND PIGMENTS, vol.45, no.1, pp.9-14, 2000 (Journal Indexed in SCI)
- CVII. **Synthesis and Characterization of a Phthalocyanine Porphyrazine Hybrid and its Palladium II Complex**  
Sesalan B. Ş. , GÜL A.  
MONATSHEFTE FÜR CHEMIE, vol.0, 2000 (Journal Indexed in SCI Expanded)
- CVIII. **Synthesis of tetrakis 1 3 dithiol 2 thiono porphyrazinato magnesium**  
Gül A.  
JOURNAL OF CHEMICAL RESEARCH-S, vol.0, pp.130-131, 1999 (Journal Indexed in SCI Expanded)
- CIX. **Protonation and Coordination Properties of four 14 Membered Tetraaza macrocycles Symmetrically linked to Phthalocyanines**  
AVCIATA U., bozdoğan A., KOÇAK M., GÜL A., Ali İhsan O., Bekaroğlu Ö.  
Monatshefte für Chemie, no.130, pp.283, 1999 (Journal Indexed in SCI Expanded)
- CX. **Synthesis and characterization of a crown ether substituted salicylaldimine and its complexes with copper(II), cobalt(II), nickel(II), and uranyl(VI)**  
Avcıata U., Demirhan N., Gül A.  
MONATSHEFTE FÜR CHEMIE, vol.129, no.1, pp.9-18, 1998 (Journal Indexed in SCI)
- CXI. **Synthesis and characterization of new soluble metallophthalocyanines with bulky substituents**  
Gumus G., Gül A., Ahsen V.  
NEW JOURNAL OF CHEMISTRY, vol.21, no.5, pp.589-594, 1997 (Journal Indexed in SCI)
- CXII. **Electrochemical and spectral properties of octakis(hexylthio)-substituted phthalocyanines**  
Ozkaya A., GUREK A., Gul A., BEKAROGLU O.  
POLYHEDRON, vol.16, no.11, pp.1877-1883, 1997 (Journal Indexed in SCI)
- CXIII. **Synthesis and properties of new phthalocyanines with tertiary or quaternarized aminoethylsulfanyl substituents**  
Dabak S., GUMUS G., Gul A., BEKAROGLU O.  
JOURNAL OF COORDINATION CHEMISTRY, vol.38, no.4, pp.287-293, 1996 (Journal Indexed in SCI)
- CXIV. **INVESTIGATIONS OF THE INTERACTION OF 4',5'-BIS(SALICYLIDENEIMINO) BENZO-15-CROWN-5 WITH TRANSITION AND ALKALI METAL IONS AND THE URANYL CATION**  
Avcıata U., BOZDOĞAN A., Koçak M., GUL A., BEKAROGLU O.  
JOURNAL OF COORDINATION CHEMISTRY, vol.35, pp.319-323, 1995 (Journal Indexed in SCI)
- CXV. **SYNTHESIS AND CHARACTERIZATION OF A NEW METAL-FREE PHTHALOCYANINE WITH**

## **AMINOETHYLSULFANYL SUBSTITUENTS**

GUMUS G., Gül A., BEKAROĞLU O.

JOURNAL OF CHEMICAL RESEARCH, no.11, pp.430-431, 1994 (Journal Indexed in SCI)

- CXVI. **HEXAKIS(ALKYLTHIO)-SUBSTITUTED UNSYMMETRICAL PHTHALOCYANINES**  
DABAK S., Gül A., BEKAROĞLU O.  
CHEMISCHE BERICHTE-RECUEIL, vol.127, no.10, pp.2009-2012, 1994 (Journal Indexed in SCI)
- CXVII. **SYNTHESIS AND CHARACTERIZATION OF PHTHALOCYANINES CONTAINING 4 14-MEMBERED TETRAAZA MACROCYCLES**  
KOCAK M., GÜREK A., GUL A., BEKAROĞLU O.  
CHEMISCHE BERICHTE, vol.127, no.2, pp.355-358, 1994 (Journal Indexed in SCI)
- CXVIII. **ELECTROCHEMICAL STUDIES OF TETRACROWN-ETHER SUBSTITUTED PHTHALOCYANINES IN SOLUTION**  
ÖZKAYA A. R. , OKUR A., Gül A., BEKAROĞLU O.  
JOURNAL OF COORDINATION CHEMISTRY, vol.33, no.4, pp.311-318, 1994 (Journal Indexed in SCI)
- CXIX. **SYNTHESIS AND PROPERTIES OF NETWORK POLYMERS OF MONOAZACROWN ETHER SUBSTITUTED PHTHALOCYANINES**  
MUSLUOĞLU E., ÖZTURK Z., AHSEN V., Gül A., BEKAROĞLU O.  
JOURNAL OF CHEMICAL RESEARCH-S, no.1, pp.6-7, 1993 (Journal Indexed in SCI)
- CXX. **ELECTRICAL-PROPERTIES OF MONOAZACROWN ETHER-SUBSTITUTED PHTHALOCYANINES**  
ÖZTURK Z., MUSLUOĞLU E., AHSEN V., Gül A., BEKAROĞLU O.  
JOURNAL OF MATERIALS SCIENCE, vol.27, no.22, pp.6183-6186, 1992 (Journal Indexed in SCI)
- CXXI. **SYNTHESIS, CHARACTERIZATION AND ELECTRICAL-PROPERTIES OF PHTHALOCYANINES SUBSTITUTED WITH 17-MEMBERED TRIOXADIAZA MACROCYCLES**  
GUMUS G., ÖZTURK Z., AHSEN V., Gül A., BEKAROĞLU O.  
JOURNAL OF THE CHEMICAL SOCIETY-DALTON TRANSACTIONS, no.16, pp.2485-2489, 1992 (Journal Indexed in SCI)
- CXXII. **Unsymmetrical phthalocyanines with a single macrocyclic substituent**  
Musluoğlu E., Gürek A., Ahsen V., Gül A., Bekaroğlu Ö.  
Chemische Berichte, vol.125, no.10, pp.2337-2339, 1992 (Journal Indexed in SCI Expanded)
- CXXIII. **SYNTHESIS AND CHARACTERIZATION OF A NEW COPPER(II) PHTHALOCYANINATE SUBSTITUTED WITH 4 15-MEMBERED TETRAAZAMACROCYCLES AND ITS WATER-SOLUBLE PENTANUCLEAR COMPLEXES**  
GÜREK A., AHSEN V., GUL A., BEKAROĞLU O.  
JOURNAL OF THE CHEMICAL SOCIETY-DALTON TRANSACTIONS, no.12, pp.3367-3371, 1991 (Journal Indexed in SCI)
- CXXIV. **WATER-SOLUBLE PHTHALOCYANINES CONTAINING AZA-CROWN ETHER SUBSTITUENTS**  
MUSLUOĞLU E., AHSEN V., Gül A., BEKAROĞLU O.  
CHEMISCHE BERICHTE, vol.124, no.11, pp.2531-2536, 1991 (Journal Indexed in SCI)
- CXXV. **SYNTHESIS AND COMPLEXATION OF 1,4,10,13-TETRAOXA-7,16-DIAZACYCLOOCTADECANE-N,N'DIYLBIS(GLYOXIME)**  
MUSLUOĞLU E., AHSEN V., Gül A., BEKAROĞLU O.  
JOURNAL OF CHEMICAL RESEARCH-S, no.11, pp.303-302, 1991 (Journal Indexed in SCI)
- CXXVI. **SYNTHESIS AND COMPLEXATION OF 1,2-BIS[(MONOAZA[15]CROWN-5)-N-YL]GLYOXIME - CRYSTAL-STRUCTURE OF (1,2-BIS[(MONOAZA[15]CROWN-5)-N-YL]GLYOXIMATO)PALLADIUM(II)**  
AHSEN V., MUSLUOĞLU E., GÜREK A., GUL A., BEKAROĞLU O., ZEHNDER M.  
HELVETICA CHIMICA ACTA, vol.73, no.1, pp.174-179, 1990 (Journal Indexed in SCI)
- CXXVII. **SYNTHESIS AND PROPERTIES OF PHTHALOCYANINES SUBSTITUTED WITH 4 CROWN ETHERS**  
OKUR A., Gül A., CIHAN A., TAN N., BEKAROĞLU O.  
SYNTHESIS AND REACTIVITY IN INORGANIC AND METAL-ORGANIC CHEMISTRY, vol.20, no.10, pp.1399-1412, 1990 (Journal Indexed in SCI)
- CXXVIII. **SYNTHESIS OF A 13-MEMBERED MACROCYCLIC TETRATHIADIOXIME AND ITS MONONUCLEAR AND**

## TRI-NUCLEAR COMPLEXES WITH TETRAHEDRALLY COORDINATED PALLADIUM(II)

AHSEN V., GUREK A., GUL A., BEKAROGLU O.

JOURNAL OF THE CHEMICAL SOCIETY-DALTON TRANSACTIONS, no.1, pp.5-8, 1990 (Journal Indexed in SCI)

CXXXIX. **SYNTHESIS AND REACTIONS OF QUINOXALIN-2(1H)-ONE OXIME, 1,4-BENZOXAZIN-2-ONE OXIME, AND 1,4-BENZOTHIAZIN-2-ONE OXIME**

ERTAS M., GUREK A., Gül A., BEKAROGLU O.

JOURNAL OF CHEMICAL RESEARCH-S, no.4, pp.109, 1988 (Journal Indexed in SCI)

CXXX. **Synthesis and Reactions of Quinoxalin 2 1H one Oxime 1 4 Benzoxazin 2 one Oxime and Benzothiazin 2 one Oxime**

Gül A.

JOURNAL OF CHEMICAL RESEARCH-S, vol.4, pp.109, 1988 (Journal Indexed in SCI Expanded)

CXXXI. **SYNTHESIS AND CHARACTERIZATION OF CROWN-ETHER-CONTAINING PHTHALOCYANINES WITH GROUP-IV-A ELEMENTS**

AHSEN V., YILMAZER E., GUREK A., GUL A., BEKAROGLU O.

HELVETICA CHIMICA ACTA, vol.71, no.7, pp.1616-1621, 1988 (Journal Indexed in SCI)

CXXXII. **SYNTHESIS OF A NOVEL [10]FERROCENOPHANEDIOXIME WITH BRIDGE HETEROATOMS AND OF ITS NICKEL(II) COMPLEX**

ERTAS M., AHSEN V., Gül A., BEKAROGLU O.

JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.335, no.1, pp.105-108, 1987 (Journal Indexed in SCI)

CXXXIII. **SYNTHESIS OF BIS(FERROCENYLAMINO)GLYOXIME AND ITS NICKEL(II) COMPLEX**

ERTAS M., AHSEN V., Gül A., BEKAROGLU O.

JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.333, no.3, pp.383-385, 1987 (Journal Indexed in SCI)

CXXXIV. **PREPARATION OF A NOVEL POLYMERIC COPPER PHTHALOCYANINE CONTAINING CROWN-ETHER MOIETIES AND ITS ALKALI-METAL BINDING PROPERTY**

AHSEN V., YILMAZER E., BEKAROGLU O., Gül A., BEKAROGLU O.

MAKROMOLEKULARE CHEMIE-RAPID COMMUNICATIONS, vol.8, no.5, pp.243-246, 1987 (Journal Indexed in SCI)

CXXXV. **A Simple Synthesis of 2 2 Azo 15 crown 5 g quinoxaline**

Gül A.

Chem.Ber., vol.119, pp.3870-3872, 1986 (Journal Indexed in SCI Expanded)

CXXXVI. **Syntheses of N N bis 4 benzo 15 crown 5 diaminoglyoxime and its Complexes with Copper II Nickel II Cobalt II Cobalt III Palladium II Platinum II and Uranyl VI**

Gül A., ÖZER B.

J.Chem.Soc.Dalton Trans, vol.0, pp.2537-2541, 1983 (Journal Indexed in SCI Expanded)

CXXXVII. **THE SYNTHESIS AND COMPLEX-FORMATION OF 5,6-DIHYDROCYCLOPENT [F,G] ACENAPHTHYLENE-1,2-DIONE DIOXIME**

Gül A., BEKAROGLU O.

SYNTHESIS AND REACTIVITY IN INORGANIC AND METAL-ORGANIC CHEMISTRY, vol.12, no.7, pp.889-897, 1982 (Journal Indexed in SCI)

CXXXVIII. **The Synthesis and Complex Formation of 5 6 Dihydrocyclopent f g acenaphtylene 1 2 dione dioxime**

Gül A.

Synth. React. Inorg. Met. -Org. Chem., vol.12, pp.889-897, 1982 (Journal Indexed in SCI Expanded)

## Articles Published in Other Journals

I. **A simple route to suspend boric acid in non-polar media**

Tanriseven Z., Gül A., Ozayman M.

SN APPLIED SCIENCES, vol.2, no.9, 2020 (Journal Indexed in ESCI)

II. **SYNTHESIS, CHARACTERIZATION, SPECTRAL, AGGREGATION AND FLUORESCENCE AND IMPROVED PHOTOPHYSICAL PROPERTIES OF (ethylsulfanyl) PORPHYRAZINES CONTAINING beta-THIOETHER APPENDED [(bpy)(2)RuCl<sub>2</sub>]**

AYTAN KILIÇARSLAN F., ERDOĞMUŞ A., YALÇIN S. S. , Gül A.

SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BİLİMLERİ DERGİSİ,  
vol.36, no.2, pp.487-499, 2018 (Journal Indexed in ESCI)

**III. Yeni Kuaterner Azaftalosiyenin Sentez ve Çözelti Çalışmaları**

USLU KOBAK R. Z. , GÜL A.

İTÜ Dergisi/ C Fen Bilimleri, vol.8, no.1, pp.109-118, 2010 (National Non-Refereed Journal)

## Supported Projects

- Gül A., Tüfekyapan H. Ş. , Project Supported by Higher Education Institutions, Yeni azaBODIPY türü bileşiklerin sentezi ve karakterizasyonu, 2017 - 2018
- Gül A., Project Supported by Higher Education Institutions, Ftalosiyeninle Aktive Edilmiş TiO<sub>2</sub> ile Katalitik Uygulamalar, 2012 - 2018
- Gül A., Project Supported by Higher Education Institutions, SUDAN BOYAR MADDESİ İÇEREN A3B TÜRÜ YENİ ASİMETRİK FTALOSİYANİNLER, 2016 - 2016
- Gül A., Project Supported by Higher Education Institutions, Çinko(II) Ftalosiyenin / Kobaltdimetilglioksim Sistemleri ile H<sub>2</sub> Üretimi, 2015 - 2016
- Gül A., Project Supported by Higher Education Institutions, Hekziloksi Sübsitüte Yeni Altın(III) Ftalosiyenin Sentezi ve Karakterizasyonu, 2014 - 2016
- Gül A., Project Supported by Higher Education Institutions, Luminesant Metal Kompleks Yapısında Sübstütientler İçeren Tetrapiroller, 2013 - 2015
- Gül A., Project Supported by Higher Education Institutions, Tıbbi Uygulamalar için Yeni Bor İçeren Tetrapiroller, 2010 - 2014
- Gül A., Project Supported by Higher Education Institutions, Karboran Sübstütüte Yeni Çözünür Ftalosiyenin Sentezi, 2013 - 2013
- Gül A., Project Supported by Higher Education Institutions, BOR SÜBSİTÜE TETRAPİROLLER, 2010 - 2013
- Gül A., Project Supported by Higher Education Institutions, Periferal Donör Gruplar İçeren Ftalosiyeninle Multimetal Kompleksler, 2008 - 2013
- Gül A., Project Supported by Higher Education Institutions, Nano Boyutta Gümüş sentezi ve Tetrapirollerle Etkileşimlerinin İncelenmesi, 2011 - 2012
- Gül A., Project Supported by Higher Education Institutions, Bromokinolin Sübstütüte Yeni Metalofthalosiyeninlerin Sentezi, 2011 - 2012
- Gül A., Project Supported by Higher Education Institutions, YENİ BORİNİK ASİT ESTERLERİ, 2010 - 2012
- Gül A., Project Supported by Higher Education Institutions, ANORGANİK MALZEMELR ÜZERİNE TUTTURULMUŞ YENİ TETRAPİROL TÜREVLERİ, 2009 - 2011
- Gül A., Project Supported by Higher Education Institutions, Koordinasyon Bileşiklerinin Magnetik Süsseptibilite Ölçümleri, 2009 - 2011
- Gül A., Project Supported by Higher Education Institutions, Tetrakis (hidroksietiltio)ftalosiyenin'den Yeni Bileşiklerin Sentezi ve Karakterizasyonu, 2008 - 2011
- Gül A., Project Supported by Higher Education Institutions, Kimya Bölümü Öğrenci Laboratuarlarının İyileştirilmesi, 2006 - 2007
- Gül A., Project Supported by Higher Education Institutions, Makrosiklik Tetrapiröl birleşiklerinin ileri malzeme olarak değerlendirilmesi, 2004 - 2007
- Gül A., Project Supported by Higher Education Institutions, Hacimli Grup İçeren Tetrapiroller, 2001 - 2006
- Gül A., Other Supported Projects, Novel Compounds of Heavy Metals with Tetrapyrols as Chemotherapeutic Agents, 2002 - 2004
- Gül A., Project Supported by Higher Education Institutions, Periferal Fosforlu Gruplar İçeren Porfirazinler, 2002 - 2003
- Gül A., Project Supported by Higher Education Institutions, N Donör Sübstütientler içeren porfirazinler, 2001 - 2003
- Gül A., Project Supported by Higher Education Institutions, Markosiklik Bileşikler araştırma Laboratuarının Bakımı ve Geliştirilmesi, 2000 - 2001

Gül A., Project Supported by Higher Education Institutions, Oktasis (Taç Eter) Sübsititüe Porfirazinler, 1999 - 2001

Gül A., Project Supported by Higher Education Institutions, Metallosen Porfrazinler, 1998 - 2000

Gül A., Project Supported by Higher Education Institutions, Yeni Fonksiyonel Taçeter Türevlerinin Sentezi ve Uygulama Alanları, 1994 - 1996

### **Activities in Scientific Journals**

Turkish Journal of Chemistry, First Editor, 2016 - Continues

Dyes and Pigments, Committee Member, 2009 - Continues

Turkish Journal of Chemistry, Editor, 2010 - 2016

### **Memberships / Tasks in Scientific Organizations**

İcra Konseyi, Board Member, 2012 - Continues

### **Citations**

Total Citations (WOS):2953

h-index (WOS):34