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Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 1978 - 1984

Foreign Languages

English

Dissertations

Doctorate, Yeni vic-Di- ve tetra oksimlerin Sentezi Ni(II), Cu(II), Co, Cd, Zn ve UO₂(VI), ile oluşturdukları Komplekslerin İncelenmesi., Karadeniz Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (Dr), 1984

Academic Titles / Tasks

Professor, Istanbul Technical University, Fen-Edebiyat, Kimya, 1988 - 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Gallium chloride phthalocyanines possessing 4-(trifluoromethoxy)phenoxy units: Synthesis, characterization, and photophysicochemical investigations**
Farajzadeh N., YAŞA ATMACA G., Çınar M. E., ERDOĞMUŞ A., Koçak M.
JOURNAL OF THE CHINESE CHEMICAL SOCIETY, vol.68, no.8, pp.1466-1477, 2021 (SCI-Expanded)
- II. **Novel symmetrical and unsymmetrical fluorine-containing metallophthalocyanines: synthesis, characterization and investigation of their biological properties**
Pekbelgin Karaoglu H. R., Sağlam Ö., ÖZDEMİR S., GONCA S., Koçak M.
DALTON TRANSACTIONS, vol.50, pp.9700-9708, 2021 (SCI-Expanded)
- III. **Comparatively singlet oxygen efficiency by sono-photochemical and photochemical studies of new lutetium (III) phthalocyanines**
Farajzadeh N., YAŞA ATMACA G., ERDOĞMUŞ A., Koçak M.

- DYES AND PIGMENTS, vol.190, 2021 (SCI-Expanded)
- IV. **Investigation of tyrosinase enzyme (from mushroom) inhibitory activities and antioxidant properties of new fluorine-containing phthalocyanines**
Farajzadeh N., Sağlam Ö., Akin M., ŞAKİ N., Koçak M.
ARCHIV DER PHARMAZIE, vol.354, no.4, 2021 (SCI-Expanded)
- V. **Investigation of the biological and photophysicschemical properties of new non-peripheral fluorinated phthalocyanines**
ÇELİK Ç., Farajzadeh N., Akin M., YAŞA ATMACA G., Sağlam Ö., ŞAKİ N., ERDOĞMUŞ A., Koçak M.
DALTON TRANSACTIONS, vol.50, no.8, 2021 (SCI-Expanded)
- VI. **Nonlinear optical behavior and optical power limiting characteristics of peripheral symmetrical and non-symmetrical zinc phthalocyanines with nanosecond pulsed excitation**
ERDEM M., Korkmaz E., GÖRK G., Ahmetali E., Farajzadeh N., Eryürek G., Koçak M.
POLYHEDRON, vol.195, 2021 (SCI-Expanded)
- VII. **A series of asymmetric zinc (II) phthalocyanines containing fluoro and alkynyl groups: Synthesis and examination of humidity sensing performance by using QCM based sensor**
Ahmetali E., Pekbelgin Karaoglu H. R., Urfa Y., ALTINDAL A., Koçak M.
MATERIALS CHEMISTRY AND PHYSICS, vol.254, 2020 (SCI-Expanded)
- VIII. **Electrochemical and spectroelectrochemical characterizations of new tetra-substituted metallophthalocyanines bearing 4-(trifluoromethoxy)phenoxy groups on non-peripheral positions**
Farajzadeh N., Akyuz D., KOCA A., Koçak M.
MONATSHEFTE FÜR CHEMIE, vol.151, no.9, pp.1337-1348, 2020 (SCI-Expanded)
- IX. **Nonlinear optical properties of peripheral symmetrically and non-symmetrically 4-(trifluoromethoxy)phenoxy substituted zinc phthalocyanines**
Farajzadeh N., GÖRK G., ERDEM M., Eryürek G., Koçak M.
SYNTHETIC METALS, vol.266, 2020 (SCI-Expanded)
- X. **Investigation of photophysical and photochemical properties of phthalocyanines bearing fluorinated groups**
Korkmaz E., Ahmetali E., Atmaca G. Y., Karaoglu H. R., ERDOĞMUŞ A., Kocak M.
MONATSHEFTE FÜR CHEMIE, vol.151, no.2, pp.181-190, 2020 (SCI-Expanded)
- XI. **Synthesis, electrochemistry and in situ spectroelectrochemistry of novel tetra- and octa-substituted metallophthalocyanines bearing peripherally 4-(trifluoromethoxy)phenoxy groups**
Farajzadeh N., Akyuz D., KOCA A., Kocak M.
POLYHEDRON, vol.177, 2020 (SCI-Expanded)
- XII. **Investigation of Time-Kill Evaluation and Antioxidant Activities of New Tetra-Substituted Metallophthalocyanines Bearing 4-(Trifluoromethoxy)thiophenyl Groups**
Sağlam Ö., Akin M., Pekbelgin Karaoglu H. R., ŞAKİ N., Kocak M.
CHEMISTRYSELECT, vol.5, no.8, pp.2522-2527, 2020 (SCI-Expanded)
- XIII. **Evaluation of carbonic anhydrase and paraoxonase inhibition activities and molecular docking studies of highly water-soluble sulfonated phthalocyanines**
Guzel E., Sonmez F., ERKAN S., Cikrikci K., Ergun A., Gencer N., Arslan O., Koçak M.
TURKISH JOURNAL OF CHEMISTRY, vol.44, no.6, pp.1565-1577, 2020 (SCI-Expanded)
- XIV. **Near-infrared absorbing pi-extended hexadeca substituted phthalocyanines**
Pekbelgin Karaoglu H. R., Atsay A., Nar I., McKee V., Koçak M., Hamuryudan E., Gül A.
JOURNAL OF MOLECULAR STRUCTURE, vol.1197, pp.736-741, 2019 (SCI-Expanded)
- XV. **Synthesis, Photophysical and Biological Properties of New Phthalocyanines Bearing Peripherally 4-(Trifluoromethoxy)phenoxy Groups**
Farajzadeh N., Pekbelgin Karaoglu H. R., Akin M., ŞAKİ N., Koçak M.
CHEMISTRYSELECT, vol.4, no.31, pp.8998-9005, 2019 (SCI-Expanded)
- XVI. **Photophysical and photochemical properties of newly synthesized zinc(II) and chloroindium(III)phthalocyanines substituted with 3,5-bis(trifluoromethyl)phenoxy groups**
Ahmetali E., YAŞA ATMACA G., Pekbelgin Karaoglu H. R., ERDOĞMUŞ A., Koçak M.

- JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.23, pp.960-968, 2019 (SCI-Expanded)
- XVII. **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 (SCI-Expanded)
- XVIII. **Antimicrobial and antioxidant properties of novel octa-substituted phthalocyanines bearing (trifluoromethoxy)phenoxy groups on peripheral positions**
Farajzadeh N., Pekbelgin Karaoğlu H. R., Akin M., ŞAKİ N., Koçak M.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.23, pp.91-102, 2019 (SCI-Expanded)
- XIX. **Zinc and chloroindium complexes of furan-2-ylmethoxy substituted phthalocyanines: Preparation and investigation of aggregation, singlet oxygen generation, antioxidant and antimicrobial properties**
GÜZEL E., ŞAKİ N., AKIN M., NEBİOĞLU M., ŞİŞMAN İ., ERDOĞMUŞ A., KOÇAK M.
Synthetic Metals, vol.245, pp.127-134, 2018 (SCI-Expanded)
- XX. **Synthesis and characterization of novel quaternized 2, 3-(diethylmethylamino)phenoxy tetrasubstituted Indium and Gallium phthalocyanines and comparison of their antimicrobial and antioxidant properties with different phthalocyanines**
ŞAKİ N., Akin M., Atsay A., Karaoglu H. R., Koçak M.
INORGANIC CHEMISTRY COMMUNICATIONS, vol.95, pp.122-129, 2018 (SCI-Expanded)
- XXI. **Ferrocenyl Phthalocyanine as Donor in Non-Poly(3-hexylthiophen-2,5-diyl) Bulk Heterojunction Solar Cell**
NAR I., Atsay A., ALTINDAL A., Hamuryudan E., Koçak M., Guel A.
CHEMISTRY-A EUROPEAN JOURNAL, vol.24, no.27, pp.6946-6949, 2018 (SCI-Expanded)
- XXII. **Phthalocyanines formed from several precursors: synthesis, characterization, and comparative fluorescence and quinone quenching**
Karaoglu H. R., Yenilmez H. Y., Koçak M.
JOURNAL OF COORDINATION CHEMISTRY, vol.71, no.15, pp.2340-2357, 2018 (SCI-Expanded)
- XXIII. **Synthesis and characterization of novel quaternized 2, 3-(diethylmethylamino)phenoxy tetrasubstituted Indium and Gallium phthalocyanines and comparison of their antimicrobial and antioxidant properties with different phthalocyanines**
ŞAKİ N., AKIN M., ATSAY A., PEKBİLGİN KARAOGLU H., KOÇAK M.
Inorganic Chemistry Communications, vol.95, pp.122-129, 2018 (SCI-Expanded)
- XXIV. **A Honeycomb-Like Crystalline Self-Assembled Hexadeca-Substituted Phthalocyanine**
Atsay A., NAR I., Hamuryudan E., KOCAK M., Guel A.
CHEMISTRYSELECT, vol.2, no.28, pp.9233-9235, 2017 (SCI-Expanded)
- XXV. **Novel sulfonated hydrophilic indium(III) and gallium(III) phthalocyanine photosensitizers: preparation and investigation of photophysical properties**
GÜZEL E., YAŞA ATMACA G., ERDOĞMUŞ A., KOÇAK M.
Journal Of Coordination Chemistry, vol.70, no.15, pp.2659-2670, 2017 (SCI-Expanded)
- XXVI. **Synthesis, photophysical and electrochemical properties of novel hexadeca-substituted phthalocyanines bearing naphthoxy groups**
Kurt O., Özleşmeci İ., Koca A., Gül A., Kocak M.
DYES AND PIGMENTS, vol.137, pp.236-243, 2017 (SCI-Expanded)
- XXVII. **Anionic water-soluble sulfonated phthalocyanines: microwave-assisted synthesis, aggregation behaviours, electrochemical and in-situ spectroelectrochemical characterisation**
Guzel E., Koca A., Kocak M.
SUPRAMOLECULAR CHEMISTRY, vol.29, no.7, pp.536-546, 2017 (SCI-Expanded)
- XXVIII. **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 (SCI-Expanded)
- XXIX. **Synthesis, electrochemistry and in situ spectroelectrochemistry of novel hexadeca-substituted**

- phthalocyanines with three different groups**
Kurt O., Koca A., Güл A., KOCAK M.
SYNTHETIC METALS, vol.206, pp.72-83, 2015 (SCI-Expanded)
- XXX. The synthesis and investigation of binding properties of a new water soluble hexadeca zinc(II) phthalocyanine with bovine serum albumin and DNA**
Kurt O., OZCESMECI İ., Sesalan B. Ş., Koçak M.
NEW JOURNAL OF CHEMISTRY, vol.39, no.7, pp.5767-5775, 2015 (SCI-Expanded)
- XXXI. Microwave-assisted synthesis, electrochemistry and spectroelectrochemistry of amphiphilic phthalocyanines**
Guzel E., Koca A., Güл A., KOCAK M.
SYNTHETIC METALS, vol.199, pp.372-380, 2015 (SCI-Expanded)
- XXXII. Electropolymerization of Octakis Diethylamino Substituted Metallophthalocyanines and Their Electrochromic Characterization**
Aydemir M., KARAOGLU H. R., Kocak M., Koca A.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.162, no.3, 2015 (SCI-Expanded)
- 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 (SCI-Expanded)
- XXXIV. A new hexadeca substituted non-aggregating zinc phthalocyanine**
Atsay A., GUL A., Kocak M.
DYES AND PIGMENTS, vol.100, pp.177-183, 2014 (SCI-Expanded)
- XXXV. The synthesis and electrochemistry of novel, symmetrical, octasubstituted phthalocyanines**
Karaoglu H. R., Koca A., Kocak M.
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- XXXVI. Synthesis, characterization and photodynamic activity of a new amphiphilic zinc phthalocyanine**
Guzel E., ATSAY A., Nalbantoglu S., Saki N., DOĞAN A., Güл A., KOCAK M.
DYES AND PIGMENTS, vol.97, no.1, pp.238-243, 2013 (SCI-Expanded)
- XXXVII. Synthesis, electrochemical and spectroelectrochemical characterization of novel soluble phthalocyanines bearing chloro and quaternizable bulky substituents on peripheral positions**
Karaoglu H. R., Koca A., Kocak M.
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- XXXVIII. Synthesis, electrochemistry and in situ spectroelectrochemistry of water-soluble phthalocyanines**
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- XXXIX. Novel phthalocyanines with naphthalenic substituents**
ŞENER M. K., GUEL A., Kocak M.
TRANSITION METAL CHEMISTRY, vol.33, no.7, pp.867-872, 2008 (SCI-Expanded)
- XL. Structural and optical studies of tetra (tricarbethoxy)-substituted metallophthalocyanines**
Sorar I., ŞENER M. K., TEPEHAN F. Z., GUEL A., Koçak M.
THIN SOLID FILMS, vol.516, no.10, pp.2894-2898, 2008 (SCI-Expanded)
- XLI. Synthesis, electrochemistry and in situ Spectroelectrochemistry of soluble lead phthalocyanines**
Dincer H. A., ŞENER M. K., Koca A., GUL A., Koçak M.
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- XLII. 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 (SCI-Expanded)
- XLIII. 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 (SCI-Expanded)
- XLIV. Synthesis and electrochemical characterization of biphenyl-malonic ester substituted cobalt, copper,**

- and palladium phthalocyanines**
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- XLV. Tuning of phthalocyanine absorption ranges by additional substituents**
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- XLVI. Investigation of the electrocatalytic activity of metalophthalocyanine complexes for hydrogen production from water**
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INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.31, no.15, pp.2211-2216, 2006 (SCI-Expanded)
- XLVII. 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.
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- XLVIII. EPR studies on Cu²⁺ and Co²⁺ complexes of tetraaza porphyrin derivatives**
Guner S., SENER M. K., DINCER H., Koseoglu Y., Kazan S., Koçak M.
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- XLIX. Structure of Di tert butyl 3 4 dicyanophenyl hydroxy malonate**
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ANALYTICAL SCIENCES, vol.0, no.22, pp.73-0, 2006 (SCI-Expanded)
- L. Electrochemical characterization of Co(II) and Pd(II) phthalocyanines carrying diethoxymalonyl and carboxymethyl substituents**
Koca A., DINCER H., Kocak M., GUL A.
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- LI. Diethyl 2-(3,4-dicyanophenyl)-2-[(2-naphthyl)methyl] malonate**
Yildirim S., AKKURT M. C., SENER M., Kocak M., FUN H.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.61, 2005 (SCI-Expanded)
- LII. Electrochemical characterization of phthalocyanine derivatives carrying a bulky triester unit on each benzo group**
Koca A., SENER M., Kocak M., GUL A.
TRANSITION METAL CHEMISTRY, vol.30, no.4, pp.399-403, 2005 (SCI-Expanded)
- LIII. 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 (SCI-Expanded)
- LIV. Electrochemical, spectroelectrochemical, and pyridine binding properties of tetrathia macrocycle-bridged dimeric cobalt phthalocyanine**
Yilmaz I., KOCAK M.
POLYHEDRON, vol.23, no.7, pp.1279-1285, 2004 (SCI-Expanded)
- LV. 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 (SCI-Expanded)
- LVI. A new double-decker Lu(III) diphthalocyanine with eight peripheral benzo(15-crown-5) units**
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- LVII. Synthesis of tetra tricarbethoxy and tetra dicarboxy substituted soluble phthalocyanines**
SENER M. K., GÜL A., KOÇAK M.
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- LVIII. Synthesis and complexation of a novel soluble vic-dioxime ligand**
Gursoy S., CIHAN A., Kocak M., BEKAROGLU O.
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- LIX. **Synthesis of new metal-free and metal-containing phthalocyanines with tertiary or quaternary aminoethyl substituents**
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- LX. **Double-decker lutetium(III) diphthalocyanine with eight crown ether substituents**
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- LXI. **Novel crown ether-substituted phthalocyanines**
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- LXII. **Copper(II) and palladium(II) complexes of N,N '-bis(2-hydroxyethyl)stilbenediamine**
Kocak M.
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- LXIII. **Synthesis and characterization of a new 2,2 '-azoquinoxaline and its complexes with platinum and palladium**
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- LXIV. **Synthesis and complexation of a novel soluble vic-dioxime with hydroxyethyl pendant arms**
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- LXV. **Synthesis and complexation of a novel soluble vic-dioxime**
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- LXVI. **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.
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- LXVII. **Catalytic decomposition of hydrogen peroxide with crowned ether phthalocyanines**
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- LXVIII. **INVESTIGATIONS OF THE INTERACTION OF 4 ',5 '-BIS(SALICYLIDENEIMINO) BENZO-15-CROWN-5 WITH TRANSITION AND ALKALI METAL IONS AND THE URANYL CATION**
Avciata U., BOZDOĞAN A., Koçak M., GUL A., BEKAROGLU O.
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- LXIX. **NOVEL 2-FOLD-MACROCYCLE-SUBSTITUTED PHTHALOCYANINES**
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JOURNAL OF THE CHEMICAL SOCIETY-DALTON TRANSACTIONS, no.3, pp.323-326, 1994 (SCI-Expanded)
- LXX. **SYNTHESIS AND CHARACTERIZATION OF PHTHALOCYANINES CONTAINING 4 14-MEMBERED TETRAAZA MACROCYCLES**
KOCAK M., GUREK A., GUL A., BEKAROGLU O.
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- LXXI. **SYNTHESIS AND CHARACTERIZATION OF NOVEL PHTHALOCYANINES SUBSTITUTED WITH 4 TETRAAZA MACROCYCLES**
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JOURNAL OF THE CHEMICAL SOCIETY-CHEMICAL COMMUNICATIONS, no.8, pp.577-578, 1991 (SCI-Expanded)
- LXXII. **THE SYNTHESIS AND COMPLEX-FORMATION OF N-(2-METHYL PYRIDYL)AMINO GLYOXIME**
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- LXXIII. **SYNTHESIS OF ETHANE-1,2-BIS(THIOGLYOXIME) AND ITS COMPLEXES WITH NICKEL(II), COPPER(II), COBALT(III), CADMIUM(II), AND URANYL(VI)**

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Refereed Congress / Symposium Publications in Proceedings

- I. **Nonlineer Optik Uygulamaları için 3,5-Bis(Triflorometil)Fenoksi Grupları İçeren Yeni Push-Pull Asimetrik Çinko Ftalosiyanın Sentezi ve Karakterizasyonu**
AHMETALİ E., PEKBELGİN KARAOĞLU H. R., KOÇAK M.
31. Ulusal Kimya Kongresi, Turkey, 10 - 13 September 2019
- II. **PDT Uygulamaları İçin Non-Periferal Konumlarda 3,5-Bis(Triflorometil)Fenoksi Gruplarını İçeren Yeni Tetrasübstitüte Çinko Ftalosiyanın Sentezi 31. Ulusal Kimya Kongresi**
Çelik Ç., SAĞLAM Ö., KOÇAK M.
31. Ulusal Kimya Kongresi, Turkey, 10 - 13 September 2019
- III. **A NEW TYPE OF TETRASUBSTITUTED ZINC PHTHALOCYANINECONTAINING 3,5 - BIS(TRIFLUOROMETHYL)PHENOXY GROUPS ATPERIPHERAL POSITIONS**
KORKMAZ E., AHMETALİ E., PEKBELGİN KARAOĞLU H. R., KOÇAK M.
International Congress on Fundamental and Applied Sciences, Macedonia, 18 - 22 June 2018
- IV. **Synthesis, Characterization, and Spectral Properties of a Novel Symmetrical Indium Phthalocyanine**
Farajzadeh N., PEKBELGİN KARAOĞLU H. R., KOÇAK M.
International Congress on Fundamental and Applied Sciences, Macedonia, 18 - 22 June 2018
- V. **Synthesis, Characterization and Spectral Properties of a Novel Symmetrical Palladium Phthalocyanine**
Farajzadeh N., PEKBELGİN KARAOĞLU H. R., KOÇAK M.
20. Frühjahrssymposium-FJS, konstanz, Germany, 21 - 24 March 2018
- VI. **Nonlinear Optical Absorption and Refraction Properties of Zinc Phthalocyanine Compounds**
ERDEM M., EDEŞ HUYAL F. K., ERYÜREK G., PEKBELGİN KARAOĞLU H. R., KOÇAK M.
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- VII. **Synthesis And Characterization Of New Tetrasubstituted Phthalocyanines With Fluoride Groups For Third-Order Nonlinear Optical Applications**
Pekbelgin Karaoglu H. R., Koçak M.
4. International Turk-Pak Conference on Chemical Sciences, Konya, Turkey, 26 - 28 October 2017
- VIII. **Novel Phthalocyanines for Nonlinear Optic Applications**
PEKBELGİN KARAOĞLU H. R., KOÇAK M.
8. International Advanced Technologies Symposium, 19 - 22 October 2017
- IX. **A New Zinc Phthalocyanine Substituted with 4-(Trifluoromethoxy)-Thiophenol Groups**
SAĞLAM Ö., PEKBELGİN KARAOĞLU H. R., KOÇAK M.
3. International Turkic World Conference on Chemical Sciences and Technologies, 10 - 13 September 2017
- X. **Crystal Structure of Ferrocenyl Conjugated Phthalocyanine**
ILGIN N., ATSAY A., HAMURYUDAN E., KOÇAK M., GÜL A.
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- XII. **X Ray Structures of New hexadeca Substituted Phthalocyanines**
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- XIV. **Synthesis And Characterization Of A New Palladium Phthalocyanine Substituted With 3,5 Bis Trifluoromethyl Phenoxy Groups**
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- XXII. **Hsqc And Adequate Spectra Of A Phthalonitrile Derivative**
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- XXIII. **Synthesis of New Hexadeca Substituted Cobalt Phthalocyanine and Their Characterization**
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- XXIV. **Novel Gallium and Indium Phthalocyanines for PDT**
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- XXV. **1D and 2D NMR Studies on a Nonaggregated Zinc Phthalocyanine as a Constitutional Isomer Mixture**
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- XXVI. **Amphiphilic phthalocyanines by three different substituents on each benzo moiety**
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- XXXVI. **İki Farklı Grupla Hegzadeka Sübstitüe Yeni Bir Ftalosiyanyan Sentezi ve Karakterizasyonu**
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25. Ulusal Kimya Kongresi, Erzurum, Turkey, 27 June - 02 July 2011
- XXXVII. **Üç Farklı Grupla Ful Sübstitüe Ftalosiyanyanın Sentezi Ve Karakterizasyonu**
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- XL. **Novel Hexadeca-Substituted Amphiphilic Phthalocyanines**
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- XLI. **Octakis(diethylaminophenoxy)- Substituted Water Soluble Cobalt Phthalocyanine**
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- XLII. **Hexadeca-substituted Amphiphilic Phthalocyanine,**
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- XLIV. **Preparation of Novel Tetraquaternized Soluble Phthalocyanines**

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- XLV. **Farklı Sübstüentler İçeren Yeni Oktasübstitüe Ftalosiyaniinler**
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- XLVI. **Synthesis of Novel Phthalocyanines with Different Substituents, Torino, İtalya**
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- XLVII. **Hacimli Gruplar İçeren Kurşun Ftalosiyanimler**
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- LX. **Tetra Pridil Ftalosiyaniinlerin Donör Özelliklerinin İncelenmesi XVIII. Ulusal Kimya Kongresi**
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- LXI. **İki Farklı Sübstituent İçeren Yeni Ftalosiyinler**
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- LXII. **Bazı Ftalosiyanın türevlerinin Ektrokimyasal İncelenmesi Kimya-2003 XVII. Ulusal Kimya Kongresi 8-11 Eylül 2003-İstanbul**
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- LXV. **Yeni Bir Yöntemle Klor Alkil Ftalodinitril Türevlerinin Sentezi ve Ftalosiyanlerinin Hazırlanması**
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- LXXI. **Double-Decker Lutetium(III) Diphtalocyanine with Eight Crown Ether substituents**
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- LXXIV. **Taç Eterli Ftalosiyanler**
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- LXXV. **N-N'-Dihidroksi Etil Stilben- Diamin'den Yeni Bir vic Dioksim Sentezi ve Komplekslerinin Hazırlanması**
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- LXXVIII. **Taç Eter ve Tetraaza halkalarını Birlikte İçeren Ftalosiyanyinler**
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- LXXIX. **14-Üyeli Tetraaza Halkalarını İçeren Simetrik Ftalosiyanyinlerin Sentezi**
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IX. ve Kimya Mühendisliği Simpozyumu, Turkey, 12 - 17 September 1993
- XXX. **Synthesis and Characterization of Phthalocyanines Substituted With Four Tetraaza Macrocycles**
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Supported Projects

- Koçak M., Project Supported by Higher Education Institutions, Yeni Push-Pull Ftalosiyanyinlerin Sentezi ve Nonlineer Optik Uygulamalarının Araştırılması, 2016 - 2019
- Koçak M., Project Supported by Higher Education Institutions, 3,5-bis(triflorometil)fenoksi Grupları İçeren Yeni bir Paladyum Ftalosiyanyinin Sentezi ve Karakterizasyonu, 2016 - 2018
- Koçak M., Project Supported by Higher Education Institutions, Triflorometil Grupları İçeren Metalli Ftalosiyanyinlerin Sentezi ve Karakterizasyonu, 2016 - 2017
- Koçak M., Project Supported by Higher Education Institutions, Hekzadeka Sübstidue Ftalosiyanyinler, 2013 - 2016
- Koçak M., Project Supported by Higher Education Institutions, Yeni Hegzadeka Sübstidue Amfifilik Ftalosiyanyinler, 2012 - 2016
- Koçak M., TUBITAK Project, 15N İzotop İşNretlenmiş Metalli ve Metalsiz Ftalosiyanyinlerin Sentezi ve 15N NMR larının İncelenmesi, 2014 - 2015
- Koçak M., Project Supported by Higher Education Institutions, Suda Çözünebilen Yeni Ftalosiyanyinlerin Sentezi ve Fotofiziksel Özellikleri, 2009 - 2013
- Koçak M., Project Supported by Higher Education Institutions, Suda Çözünür Hegzadeka Sübstidue Ftalosiyanyinler, 2010 - 2012
- Koçak M., Project Supported by Higher Education Institutions, Yeni Amfilik FTalosiyanyinlerin Sentezi, 2010 - 2012
- Koçak M., Project Supported by Higher Education Institutions, Hacimli Gruplar İçeren Yani Ftalosiyanyinler, 2006 - 2008
- Koçak M., Project Supported by Higher Education Institutions, Hacimli Esterik Sübstituenler İçeren Ftalosiyanyinler, 2004 - 2005
- Koçak M., Project Supported by Higher Education Institutions, Alkil Flatodinitril Türevlerinin Sentezi ve Flatosiyanyinlerin Hazırlanması, 2003 - 2004
- Koçak M., Project Supported by Higher Education Institutions, Periferal dentritic sübstituenlar içeren ftalosiyanyinler, 2002 - 2004
- Koçak M., Project Supported by Higher Education Institutions, Ftalosiyanyinlerin Sıvı Kristal Özelliklerinin DSC ile İncelenmesi, 1999 - 2001

Scientific Refereeing

Tetrahedron, SCI Journal, September 2017

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Congress and Symposium Activities

Novel Phthalocyanines for Nonlinear Optic Applications, Attendee, Elazığ, Turkey, 2017

Synthesis and Characterization of New Tetrasubstituted Phthalocyanines with Fluoride Groups for Third-Order Nonlinear Optical Applications, Attendee, Konya, Turkey, 2017

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Non Academic Experience

İstanbul Teknik Üniversitesi,

İstanbul Teknik Üniversitesi,

İstanbul Teknik Üniversitesi,

Business Establishment Private, Özel Uğur Dersanesi

Özel Uğur Dersanesi

Karadeniz Teknik Üniversitesi