

Personal Information

Email: zodabas@marmara.edu.tr

Web: <https://avesis.marmara.edu.tr/zodabas>

Education Information

Doctorate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 1992 - 1999

Post Graduate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (Y), Turkey 1990 - 1992

Under Graduate, Marmara University, Ataturk Faculty of Education, Mathematics and Science Education, Turkey 1984 - 1988

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Natural Sciences

Academic Titles / Tasks

Associate Professor, Marmara University, Faculty of Arts and Sciences, Chemistry, 2013 - Continues

Assistant Professor, Marmara University, Faculty of Arts and Sciences, Chemistry, 2011 - 2013

Research Assistant, Marmara University, Faculty of Arts and Sciences, Chemistry, 2001 - 2011

Research Assistant, Marmara University, Ataturk Faculty of Education, Mathematics and Science Education, 1995 - 2001

Research Assistant, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, 1990 - 1995

Professional Experience

Deputy Head of Department, Marmara University, Faculty of Arts and Sciences, Chemistry, 2012 - 2015

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

- **Determination of photophysical, photochemical and spectroscopic properties of novel lead(II) phthalocyanines**
PİŞKİN M., ÖZTÜRK Ö. F. , Odabas Z.
POLYHEDRON, vol.182, 2020 (Journal Indexed in SCI)
- **Toluene vapor sensing characteristics of novel copper(II), indium(III), mono-lutetium(III) and tin(IV) phthalocyanines substituted with 2,6-dimethoxyphenoxy bioactive moieties**
PİŞKİN M., CAN N., ODABAŞ Z., ALTINDAL A.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.22, pp.189-197, 2018 (Journal Indexed in SCI)
- **High Electrochemical Versatility and Applicability with Metal Phthalocyanines Carrying Peripheral 2,3-dihydro-1H-inden-5-yloxy Substituents: Rich Redox Behavior, Oxygen Electrocatalysis and Electrochromism**
Orman E. B. , Odaba Z., Özkaya A. R.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.165, 2018 (Journal Indexed in SCI)

- **Do the positions of trimethyl groups on phthalocyanine photosensitizers improve their photochemical and photophysical properties?**
Cetinkaya M., PIŞKİN M., ALTUN S., ODABAŞ Z., DURMUŞ M.
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.335, pp.17-25, 2017 (Journal Indexed in SCI)
- **First investigation on the photophysical and photochemical properties of azo-bridged phthalocyanine photosensitizers**
Sahin S., PIŞKİN M., ALTUN S., DURMUŞ M., ODABAŞ Z.
JOURNAL OF LUMINESCENCE, vol.180, pp.219-223, 2016 (Journal Indexed in SCI)
- **Synthesis, characterization, photophysical, and photochemical properties of novel zinc(II) and indium(III) phthalocyanines containing 2-phenylphenoxy units**
Ali H. E. A. , Piskin M., ALTUN S., DURMUŞ M., ODABAŞ Z.
JOURNAL OF LUMINESCENCE, vol.173, pp.113-119, 2016 (Journal Indexed in SCI)
- **The novel mesityloxy substituted metallo-phthalocyanine dyes with long fluorescence lifetimes and high singlet oxygen quantum yields**
Gurel E., PIŞKİN M., ALTUN S., ODABAŞ Z., Durmus M.
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.315, pp.42-51, 2016 (Journal Indexed in SCI)
- **Highly efficient dye-sensitized solar cells based on metal-free and copper(II) phthalocyanine bearing 2-phenylphenoxy moiety**
Ali H. E. A. , ALTINDAL A., ALTUN S., ODABAŞ Z.
DYES AND PIGMENTS, vol.124, pp.180-187, 2016 (Journal Indexed in SCI)
- **The effects of substituent position on kinetics of benzene vapour adsorption onto 3-phenylphenoxy substituted metal-free and metallo-phthalocyanines thin films**
Ali H. E. A. , CAN N., ALTUN S., ODABAŞ Z.
DALTON TRANSACTIONS, vol.45, pp.16922-16930, 2016 (Journal Indexed in SCI)
- **Gas sensing and electrochemical properties of tetra and octa 2H-chromen-2-one substituted iron(II) phthalocyanines**
Altun S., Orman E. B. , Odabaş Z., Altindal A., Özkaya A. R.
DALTON TRANSACTIONS, vol.44, pp.4341-4354, 2015 (Journal Indexed in SCI)
- **Dielectric properties and electronic absorption: a comparison of novel azo- and oxo-bridged phthalocyanines**
Yuzuak M. M. , ALTUN S., ALTINDAL A., ODABAŞ Z.
DALTON TRANSACTIONS, vol.44, pp.1397-1405, 2015 (Journal Indexed in SCI)
- **Synthesis, characterization and investigation of the photophysical and photochemical properties of highly soluble novel metal-free, zinc(II), and indium(III) phthalocyanines substituted with 2,3,6-trimethylphenoxy moieties**
Gurel E., PIŞKİN M., ALTUN S., ODABAŞ Z., DURMUŞ M.
DALTON TRANSACTIONS, vol.44, pp.6202-6211, 2015 (Journal Indexed in SCI)
- **Synthesis of novel azo-bridged phthalocyanines and their toluene vapour sensing properties**
Sahin S., ALTUN S., ALTINDAL A., ODABAŞ Z.
SENSORS AND ACTUATORS B-CHEMICAL, vol.206, pp.601-608, 2015 (Journal Indexed in SCI)
- **Electrochemical, Electrocatalytic Dioxygen Reducing and Dielectric Relaxation Properties of Non-Peripheral Tetra-2,3-dihydro-1H-inden-5-yloxy Substituted Phthalocyanines**
Orman E. B. , Altun S., Odabaş Z., Altindal A., Özkaya A. R.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.162, 2015 (Journal Indexed in SCI)
- **Coumarin-substituted manganese phthalocyanines: synthesis, characterization, photovoltaic behaviour, spectral and electrochemical properties**
ALTUN S., ODABAŞ Z., ALTINDAL A., ÖZKAYA A. R.
DALTON TRANSACTIONS, vol.43, pp.7987-7997, 2014 (Journal Indexed in SCI)
- **Novel alpha-7-oxy-4-(4-methoxyphenyl)-8-methylcoumarin substituted metal-free, Co(II) and Zn(II) phthalocyanines: Photochemistry, photophysics, conductance and electrochemistry**
ODABAŞ Z., ORMAN E. B. , DURMUŞ M., DUMLUDAĞ F., ÖZKAYA A. R. , Bulut M.

DYES AND PIGMENTS, vol.95, pp.540-552, 2012 (Journal Indexed in SCI)

- **Synthesis, characterization and electrochemical properties of novel beta 7-oxy-4-(4-methoxyphenyl)-8-methylcoumarin substituted metal-free, Zn(II) and Co(II) phthalocyanines**

Odabaş Z., Kara H., Özkaya A. R. , Bulut M.

POLYHEDRON, vol.39, pp.38-47, 2012 (Journal Indexed in SCI)

- **Synthesis, characterization and electrical properties of novel metal-free, Co(II), Cu(II), Fe(II), Mn(II), Sn(II) phthalocyanines peripherally tetra-substituted with 2,3-dihydro-1H-inden-5-yloxy moiety**

ODABAŞ Z., ALTINDAL A., Bulut M.

SYNTHETIC METALS, vol.161, pp.1742-1752, 2011 (Journal Indexed in SCI)

- **Synthesis and electrochemical, in situ spectroelectrochemical, electrical and gas sensing properties of ball-type homo- and hetero-dinuclear phthalocyanines with four [1a,8b-dihydronaphtho[b]naphthofuro[3,2-d]furan-7,10-diy] bridges**

Odabaş Z., Koc I., Altindal A., Özkaya A. R. , Salih B., Bekaroglu O.

SYNTHETIC METALS, vol.160, pp.967-977, 2010 (Journal Indexed in SCI)

- **Novel ball-type homo- and hetero-dinuclear phthalocyanines with four 1,1'-methylenedipthalen-2-ol bridges: Synthesis and characterization, electrical and gas sensing properties and electrocatalytic performance towards oxygen reduction**

ODABAŞ Z., Altindal A., ÖZKAYA A. R. , SALİH B., Bekaroglu O.

SENSORS AND ACTUATORS B-CHEMICAL, vol.145, pp.355-366, 2010 (Journal Indexed in SCI)

- **Novel homo- and heterobinuclear ball-type phthalocyanines: synthesis and electrochemical, electrical, EPR and MCD spectral properties**

ODABAŞ Z., DUMLUDAĞ F., ÖZKAYA A. R. , Yamauchi S., Kobayashi N., Bekaroglu O.

DALTON TRANSACTIONS, vol.39, pp.8143-8152, 2010 (Journal Indexed in SCI)

- **Synthesis, characterization and electrical properties of novel mono- and cofacial bisphthalocyanines bridged with four [1a,8b-dihydronaphtho[b]naphthofuro[3,2-d]furan-7,10-diy] units**

Odabas Z., Altindal A., Salih B., Bulut M., Bekaroglu O.

TETRAHEDRON LETTERS, vol.48, pp.6326-6329, 2007 (Journal Indexed in SCI)

- **Synthesis, characterization, and electrochemical and electrical properties of novel mononuclear and binuclear ball-type Zn(II) phthalocyanines substituted with 1a,8b-dihydronaphtho[b]naphthofuro-[3,2-d]furan-7,10-diy]**

Odabas Z., Altindal A., Oezkaya A. R. , Bulut M., Salih B., Bekaroglu O.

POLYHEDRON, vol.26, pp.3505-3512, 2007 (Journal Indexed in SCI)

- **Synthesis, characterization, and electrochemical, spectroelectrochemical and electrical measurements of novel ball-type four 1,1'-methylenedipthalen-2-ol bridged metal-free, zinc(II) and cobalt(II), and metal-free clamshell phthalocyanines**

Odabas Z., Altindal A., Ozkaya A. R. , Bulut M., Salih B., Bekaroglu O.

POLYHEDRON, vol.26, pp.695-707, 2007 (Journal Indexed in SCI)

- **Synthesis of dinaphthofuranofuran and dinaphthopyranopyran derivatives**

Odabas Z., Talinli N.

HETEROCYCLIC COMMUNICATIONS, vol.6, pp.437-442, 2000 (Journal Indexed in SCI)

Articles Published in Other Journals

- **Gas sensing Properties of bis-Phthalocyanine Thin Film**

Dumludağ F., Kılıç P., Odabaş Z., Altindal A., Bekaroğlu Ö.

AIP Conference Proceedings, vol.1203, pp.542-546, 2010 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- **Electrochemical and electrocatalytic oxygen reducing properties of metal phthalocyanines involving tertiary butyl and Oxo Bridging Groups**

Kaniz T., Orman E. B. , Şahin S., Odabaş Z., Özkaya A. R.

13th International Congress on Electrochemistry, Barcelona, Spain, 27 - 29 May 2019, pp.25

- **Electrochemical, Spectroelectrochemical, Electrocolorimetric, and Electrocatalytic Properties of New Metal Phthalocyanine Compounds**
Huraibat B., Atajanov R., Orman E. B. , Odabaş Z., Özkaya A. R.
1st International Balkan Chemistry Congress, Edirne, Turkey, 17 - 21 September 2018, pp.264
- **COMPARATIVE ELECTROCHEMISTRY OF NON-PERIPHERAL AND PERIPHERAL TETRA-2,3-DIHYDRO-1H-INDEN-5-YLOXY SUBSTITUTED PHTHALOCYANINES**
Orman E. B. , Odabaş Z., Özkaya A. R.
1st International Balkan Chemistry Congress, Edirne, Turkey, 17 - 19 September 2018, pp.249
- **VOLTAMMETRIC AND SPECTROELECTROCHEMICAL BEHAVIOR OF NOVEL OCTA SUBSTITUTED METALLOPHTHALOCYANINES**
Orman E. B. , Huraibat B., Atajanov R., Odabaş Z., Özkaya A. R.
12th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2018, pp.237
- **Electrochemical, Spectroelectrochemical, Electrocolorimetric, and Electrocatalytic Properties of Metal Phthalocyanine Compounds**
ÖZKAYA A. R. , ORMAN E. B. , ODABAŞ Z., KOCA A.
68th Annual Meeting of the International Society of Electrochemistry, 27 August - 01 September 2017
- **Metallophthalocyanine C Nafion Composites for Electrocatalysis of Oxygen Reduction**
Yazar Z., Pişkin M., Odabaş Z., Özkaya A. R.
229th ECS Meeting, California, United States Of America, 29 June - 03 July 2016, pp.20
- **Redox Properties and Electrocatalytic Oxygen Reducing Performances of Various Novel Metal Phthalocyanines**
Yazar Z., Pişkin M., Odabaş Z., Özkaya A. R.
66th Annual Meeting of the International Electrochemistry Society, Taipei, Taiwan, 4 - 09 October 2015, pp.25
- **Gas sensing properties of bis-phthalocyanine thin film**
DUMLUĐAĞ F., Kilic P., ODABAŞ Z., Altındal A., Bekaroglu O.
7th International Conference of the Balkan Physical Union, Alexandroupoli, Greece, 9 - 13 September 2009, vol.1203, pp.542-546
- **Gas Sensing Properties of bis-Phthalocyanine Thin Film**
Dumludağ F., Kilic P., Odabaş Z., Altındal A., Bekaroglu O.
7th International Conference of the Balkan-Physical-Union, Alexandroupoli, Greece, 9 - 13 September 2009, vol.1203, pp.542-543

Supported Projects

Özkaya A. R. , Odabaş Z., Orman E. B. , TUBITAK Project, Değişik Köprü Uzunluğuna Sahip Yeni Top Tipi Dinükleer Metal Ftalosiyanın Komplekslerinin Sentezi ve Elektrokimyasal Pil Sistemleri İçin Katalitik Özelliklerinin İncelenmesi, 2018 - 2020

Özkaya A. R. , Özer M., Odabaş Z., Orman E. B. , Project Supported by Higher Education Institutions, Çinko-Hava Pilleri İçin Modifiye Elektrot Geliştirilmesi ve Pil Performanslarının İncelenmesi, 2015 - 2018

Özkaya A. R. , Bulut M., Odabaş Z., Özer M., TUBITAK Project, Ftalosiyanın Komplekslerinin Oksijen İndirgenmesindeki Elektrokatalitik Aktivitelerinin Yakıt Pillerinde Uygulanabilirlik Yönünden İncelenmesi, 2008 - 2010

Bulut M., Özkaya A. R. , Odabaş Z., TUBITAK Project, Kumarin ve Kumarin Taç Eter Grupları İçeren Yeni Ftalosiyanın Sentezi ve Özelliklerinin Araştırılması, 2007 - 2009

Bulut M., Özkaya A. R. , Altındal A., Özer M., Odabaş Z., Salan Ü., Project Supported by Other Official Institutions, Yeni Tip Metallsiz ve Çeşitli Transition ve Lantanit Serisi Metalli Ftalosiyanın Sentezi Yapısal Karakterizasyonu ve Bunların Elektriksel Elektrokimyasal ve Gaz Sensör Özellikleri, 2005 - 2007

Citations

Total Citations (WOS):435

h-index (WOS):13

