

## Assoc. Prof. Bahadır KESKİN

### Personal Information

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**Address:** Yıldız Teknik Üniv., Fen Edeb. Fakültesi, Kimya Bölümü, Davutpaşa Kampüsü, ofis:D-2037 Esenler/İstanbul

### International Researcher IDs

ScholarID: WkxhvsIAAAAJ

ORCID: 0000-0001-8502-8982

Publons / Web Of Science ResearcherID: G-3210-2011

ScopusID: 23481925600

Yoksis Researcher ID: 189466

### Biography

- Topic:** Supercapacitor materials production, Graphene oxide, synthesis and characterization, electrochemical analysis.
- Conditions:** Candidate should have at least 2.5 average grade BSc, must be a MSc student, and should graduate from YTU Chem Department/Inorg Chem division (thesis is under my Supervisor).
- Contact:** Interested candidates, Please take a reservation with email [bkeskin@yildiz.edu.tr](mailto:bkeskin@yildiz.edu.tr), also to face-to-face talk office Fen Edeb Fak. D Blok, Room: D-1016 (ofis tel 212 3834175).

### Welcome to Bahadır KESKİN's home page.

We study on tetrapyrrole [macrocyclic compounds](#) such as [Phthalocyanines](#), porphyrines and porphyrazines, and also organometallic compounds as ferrocene derivatives. We synthesis and characterize these compounds. Beyond this, we work on physical, chemical and biological properties of this compounds like as electrochemical and spectrochemical, electrical (dielectric constants), optical (band-gap calculations), antifungal, antibacterial and antioxidant activities of these compounds with our colleagues.

#### Research Topics:

Phthalocyanine (Pc) is a beautifully symmetrical 18 p-electron aromatic macrocycle, closely related to the naturally occurring porphyrins. Like the porphyrins, the Pc macrocycle can play host to over seventy different metal ions in its central cavity. Since its discovery over seventy years ago, Pc and its derivatives have been extensively used as colorants (dyes or pigments).

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### new! ENERGY Conversation and Deposition Supercapacitors, Batteries, Hydrogen deposition etc:

Involved in R&D and electrochemistry of active electrode materials for advanced lithium and lithium-ion batteries, beyond supercapacitors, environmental protection, "green energy and technology" for batteries production.

### Batteries & Supercapacitors

- Multivalent ion batteries
- All solid state batteries
- Enhancing the performance of Li-ion batteries

- IV. Li-S batteries
- V. Na-ion and K-ion batteries
- VI. Aqueous Batteries
- VII. Metal-air batteries
- VIII. Flow batteries
- IX. Capacitive energy storage system

A [supercapacitor](#) is an electrochemical capacitor that has an unusually high energy density when compared to common capacitors. Supercapacitor is also known as Electric Double Layer Capacitor(EDLC) or Ultra capacitor. The capacitance range is from 100 Farad to 10KFarad.

#### **Features:**

- I. Stores high amount of energy.
- II. High rates of charge and discharge.
- III. Have high capacitance.
- IV. Low toxicity.
- V. High cycle efficiency (95%)
- VI. Little degradation over thousands of cycles.

#### **[A range of supercapacitors](#)**

#### **[Dye-Sensitized Solar Cell \(DSSC\):](#)**

Now that we are near the end of the first decade of the 21st century, future energy demands make for sobering reading. The world currently uses about 13 terawatts (TW) of energy, and it is predicted by 2050, an additional 10 TW will be required. Not only that, the additional energy required will have to be carbon neutral. Not only that, we are heading for peak oil. Considering all of this, what is the role of solar energy?

## **Education Information**

Post Doctorate, University of Minnesota, Duluth, Faculty Of Chemistry And Biochemistry, Chemistry, United States Of America 2010 - 2010

Post Doctorate, North Dakota State University, Faculty Of Chemistry And Biochemistry, Material Chemistry, United States Of America 2009 - 2010

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Kimya, Turkey 2003 - 2009

Postgraduate, Yildiz Technical University, Faculty Of Arts & Science, Department Of Chemistry, Turkey 2001 - 2003

## **Foreign Languages**

Russian, B2 Upper Intermediate

English, C1 Advanced

## **Dissertations**

Postgraduate, Kinolin Sübstütie Metallik Ftalosiyeninlerin Sentez Karakterizasyonu Ve Elektrokimyasal Özelliklerinin

İncelenmesi, Yıldız Teknik Üniversitesi, Fen Edebiyat Fakültesi, Kimya, 2016

Postgraduate, Click Tepkimeleri Kullanılarak Yeni Ftalosiyanın Türevlerinin Sentezi, Karakterizasyonu Ve Elektrokimyasal Özelliklerinin İncelenmesi, Yıldız Teknik Üniversitesi, Fen Edebiyat Fakültesi, Kimya, 2015

Postgraduate, Yeni Non-Periferel Ftalosiyanın Türevlerinin Sentezi, Karakterizasyonu ve Elektrokimyasal Özelliklerinin İncelenmesi , Yıldız Teknik Üniversitesi, Fen Edebiyat Fakültesi, Kimya, 2013

Postgraduate, Yeni Ftalosiyanın Türevlerinin Sentezi, Karakterizasyonu ve Elektrokimyasal Özelliklerinin İncelenmesi , Yıldız Teknik Üniversitesi, Fen Edebiyat Fakültesi, Kimya, 2013

## Research Areas

Electrical and Electronics Engineering, MEMS, Semiconducting Materials and Devices, Metallurgical and Materials Engineering, Material science and engineering, Semiconductor and Superconductor Materials, Chemical and Electrochemical Properties, Material Characterization, Nanomaterials, Chemistry, Inorganic Chemistry, Bioinorganic Chemistry, Inorganic Ring Compounds, Natural Sciences, Engineering and Technology

## Academic Titles / Tasks

Associate Professor, Yildiz Technical University, Faculty Of Arts & Science, Department Of Chemistry, 2017 - Continues  
Research Assistant PhD, Yildiz Technical University, Faculty Of Arts & Science, Department Of Chemistry, 2001 - 2017

## Academic and Administrative Experience

Yıldız Teknik Üniversitesi, Fen Edebiyat, Kimya, 2008 - Continues

## Courses

Anorganik Kimya Laboratuvarı 1, Undergraduate, 2019 - 2020, 2018 - 2019

Nanomalzemelerin Enerji Dönüşümü ve Depolanması, Doctorate, 2018 - 2019

Anorganik Kimya 2, Undergraduate, 2018 - 2019

Anorganik Kimya 1, Undergraduate, 2019 - 2020, 2018 - 2019

Yüksek Lisans Tezi, Postgraduate, 2018 - 2019, 2017 - 2018

Bitirme Çalışması, Undergraduate, 2018 - 2019

Uzmanlık Alan Dersi (Yüksek Lisans), Postgraduate, 2018 - 2019, 2017 - 2018

Inorganic Chemistry Laboratory 2, Undergraduate, 2018 - 2019, 2017 - 2018

Genel Kimya (Müh.), Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018

Araştırma Yöntemleri ve Bilimsel Etik, Doctorate, 2018 - 2019

## Advising Theses

Keskin B., Production of Reduced Graphene Oxide-Quinoline Phthalocyanine Nanohybrid Electrode Materials and Investigation of Electrochemical Properties, Postgraduate, M.BALÇIK(Student), 2022

Keskin B., Enerji Depolanmasında Elektrot Malzemesi Olarak Kullanılabilen Nanoyapılı Karbon Malzemelerin Biyokütle Atıklarından Üretimi, Postgraduate, B.ERDEMİR(Student), 2022

KESKİN B., Kinolin Sübstitüe Metalli Ftalosiyanın Sentez Karakterizasyonu Ve Elektrokimyasal Özelliklerinin İncelenmesi, Postgraduate, O.Okuyucu(Student), 2016

KESKİN B., Click Tepkimeleri Kullanılarak Yeni Ftalosiyanın Türevlerinin Sentezi, Karakterizasyonu Ve Elektrokimyasal Özelliklerinin İncelenmesi, Postgraduate, A.Çetinkaya(Student), 2015

KESKİN B., Yeni Non-Periferel Ftalosiyenin Türevlerinin Sentezi, Karakterizasyonu ve Elektrokimyasal Özelliklerinin İncelenmesi, Postgraduate, Ö.Koyun(Student), 2013

KESKİN B., Yeni Ftalosiyenin Türevlerinin Sentezi, Karakterizasyonu ve Elektrokimyasal Özelliklerinin İncelenmesi, Postgraduate, S.Gördük(Student), 2013

## Jury Memberships

Post Graduate, YL Tezi, Yıldız Teknik Üniversitesi, January, 2016

## Designed Lessons

Keskin B., Nanomaterials for Energy Conversion and Storage, Doctorate, 2018 - 2019

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

- I. **A novel graphene oxide-based fluorescence method for detection of urine glycosaminoglycans**  
Kösoğlu C. B., DEDE S., KARAKUŞ E., ERDOĞMUŞ A., KESKİN B., Önal H.  
Biotechnology and Applied Biochemistry, vol.71, no.3, pp.651-660, 2024 (SCI-Expanded)
- II. **Metal Phthalocyanine Sensitized Photoelectrochemical Cell Assembling with Azide-Functionalized Reduced Graphene and Quaternary Metal Chalcogenide Composites**  
Ezgi Varol D., UĞUZ NELİ Ö., BUDAK Ö., KESKİN B., KOCA A.  
ChemElectroChem, vol.11, no.9, 2024 (SCI-Expanded)
- III. **Enhanced phenol removal from aqueous media by adsorption onto organo-modified bentonite**  
Alidra H., Djazi F., Keskin B.  
Research on Chemical Intermediates, vol.50, no.2, pp.989-1011, 2024 (SCI-Expanded)
- IV. **Design of novel metal chalcogenide photoanodes supported with reduced graphene oxide for improvement of photoelectrochemical hydrogen evolution**  
Neli Ö. U., BUDAK Ö., KARACA ALBAYRAK F., KESKİN B., ÖZKAYA A. R., KOCA A.  
Journal of Photochemistry and Photobiology A: Chemistry, vol.440, 2023 (SCI-Expanded)
- V. **Super aligned carbon nanotubes for interfacial modification of hole transport layer in polymer solar cells**  
Ali A., Kazici M., Bozar S., Asghar M. A., Alwadai N., Kahveci C., Iqbal M., Ahmad A., KESKİN B., Shahbaz M., et al.  
Sustainable Materials and Technologies, vol.35, 2023 (SCI-Expanded)
- VI. **The photo-physicochemical properties and in vitro sonophotodynamic therapy activity of Di-axially substituted silicon phthalocyanines on PC3 prostate cancer cell line**  
Atmaca G., Aksel M., Keskin B., Bilgin M. D., Erdoğan A.  
Dyes and Pigments, vol.184, 2021 (SCI-Expanded)
- VII. **Surface analysis and adsorption behavior of caffeine as an environmentally friendly corrosion inhibitor at the copper/aqueous chloride solution interface**  
Messaudi H., Djazi F., Litim M., KESKİN B., Slimane M., Bekhiti D.  
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.34, no.20, pp.2216-2244, 2020 (SCI-Expanded)
- VIII. **Free-standing carbon nanotubes as non-metal electrocatalyst for oxygen evolution reaction in water splitting**  
Ali A., Akyuz D., Asghar M. A., Koca A., Keskin B.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.43, pp.1123-1128, 2018 (SCI-Expanded)
- IX. **Synthesis, characterization and electrochemical properties of new phthalocyanines**  
Kilicarslan F., KESKİN B., ERDEN İ., ERDOĞMUŞ A.  
Journal of Coordination Chemistry, vol.70, no.15, pp.2671-2683, 2017 (SCI-Expanded)

- X. **Metal-free polymer/MWCNT composite fiber as an efficient counter electrode in fiber shape dye-sensitized solar cells**  
Ali A., Shah S. M., Bozar S., Kazici M., Keskin B., Kaleli M., Akyürekli S., Güneş S.  
NANOTECHNOLOGY, vol.27, 2016 (SCI-Expanded)
- XI. **Microwave-assisted synthesis, electrochemistry and spectroelectrochemistry of phthalocyanines bearing tetra terminal-alkynyl functionalities and click approach**  
Koyun O., GÖRDÜK S., KESKİN B., CETINKAYA A., KOCA A., Avciata U.  
POLYHEDRON, vol.113, pp.35-49, 2016 (SCI-Expanded)
- XII. **Electrocatalytic hydrogen evolution reaction on reduced graphene oxide electrode decorated with cobaltphthalocyanine**  
Akyuz D., KESKİN B., Sahinturk U., KOCA A.  
APPLIED CATALYSIS B-ENVIRONMENTAL, vol.188, pp.217-226, 2016 (SCI-Expanded)
- XIII. **Novel indium(III) phthalocyanines; synthesis, photophysical and humidity sensing properties**  
KESKİN B., OKUYUCU O., ALTINDAL A., ERDOĞMUŞ A.  
NEW JOURNAL OF CHEMISTRY, vol.40, no.6, pp.5537-5545, 2016 (SCI-Expanded)
- XIV. **Optical characterization of spin-coated cobalt porphyrine thin films: effect of annealing temperature**  
KOÇ K., KESKİN B., DENKTAŞ C.  
PHILOSOPHICAL MAGAZINE LETTERS, vol.95, no.10, pp.511-518, 2015 (SCI-Expanded)
- XV. **Structural, optical and electrochromic properties of cerium dioxide thin films prepared by sol-gel dip coating method**  
GOKDEMİR F. P., Saatci A. E., ÖZDEMİR O., KESKİN B., Kutlu K.  
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.38, pp.300-305, 2015 (SCI-Expanded)
- XVI. **Influence of alkyl chain length on the surface activity of antibacterial polymers derived from ROMP**  
ALTAY E., YAPAOZ M., KESKİN B., Yucesan G., EREN T.  
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.127, pp.73-78, 2015 (SCI-Expanded)
- XVII. **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 (SCI-Expanded)
- XVIII. **Ultrasound-assisted rapid one-pot synthesis, characterization and electrical properties of a beta-aminoketone with a ferrocenyl moiety**  
KESKİN B., Ozturkcan S. A., ALTINDAL A.  
POLYHEDRON, vol.69, pp.135-140, 2014 (SCI-Expanded)
- XIX. **Synthesis and EPR studies of soluble vanadyl octakis(4-tert-butylbenzylthio) porphyrine**  
Keskin B., Yerli Y., Avciata U.  
JOURNAL OF COORDINATION CHEMISTRY, vol.66, no.15, pp.2615-2622, 2013 (SCI-Expanded)
- XX. **Synthesis and characterization of ferrocene end capped poly caprolactone s by a combination of ring opening polymerization and click chemistry techniques**  
Oktay E., GÖRÜR M., KESKİN B., YILMAZ F.  
Reactive & Functional Polymers, vol.73, pp.244-253, 2013 (SCI-Expanded)
- XXI. **Synthesis of Ni(II) porphyrine 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 (SCI-Expanded)
- XXII. **Radical scavenging and invitro antifungal activities of Cu(II) and Co(II) complexes of the t-butylphenyl derivative of porphyrine**  
KESKİN B., PEKSEL A., Avciata U., Gül A.  
JOURNAL OF COORDINATION CHEMISTRY, vol.63, no.22, pp.3999-4006, 2010 (SCI-Expanded)
- XXIII. **Synthesis and characterization of soluble seco-porphyrines with bulky substituents**  
GONCA E., KESKİN B.

JOURNAL OF COORDINATION CHEMISTRY, vol.62, no.17, pp.2875-2882, 2009 (SCI-Expanded)

XXIV. **Synthesis and EPR studies of porphyrazines with bulky substituents**

KESKİN B., KÖSEOĞLU Y., AVCIATA U., GÜL A.

Polyhedron, vol.27, pp.1155-1160, 2008 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Acute toxicity and therapeutic application of Zizyphus lotus and Ruta chalepensis phenolic extracts in treatment of gastroenteritis induced by Salmonella enterica subsp. arizonae**  
Bekkar N. E. H., Bouabssa F., Meddah B., KESKİN B., Cakmak Y. S., Tou A.  
Acta Biologica Szegediensis, vol.67, no.1, pp.123-144, 2023 (Scopus)
- II. **Zizyphus lotus and Ruta chalepensis essential oils for combating antimicrobial resistance in pathogenic clinical bacteria and fungi**  
Bekkar N. E. H., Meddah B., KESKİN B., Sonnet P.  
Nova Biotechnologica et Chimica, vol.22, no.1, 2023 (Scopus)
- III. **Phenolic Extracts of Zizyphus lotus L. (Rhamnaceae) and Ruta chalepensis L. (Rutaceae) as Alternatives to Antibiotics and their Antimicrobial Effects on Clinical Multidrug-Resistant Pathogens**  
Bekkar N. E. H., Meddah B., Cakmak Y. S., KESKİN B., Sonnet P.  
European Journal of Biology, vol.81, no.2, pp.163-183, 2022 (Scopus)
- IV. **Oral acute toxicity, influence on the gastrointestinal microbiota and in vivo anti-salmonellosis effect of Zizyphus lotus (L.) and Ruta chalepensis (L.) essential oils**  
Bekkar N. E. H., Meddah B., KESKİN B., Sonnet P.  
Journal of Applied Biotechnology Reports, vol.8, no.1, pp.13-26, 2021 (Scopus)
- V. **PHENOLIC COMPOSITION, ANTIOXIDANT AND ANTIMICROBIAL ACTIVITIES OF ZIZYPHUS LOTUS L. AND RUTA CHALEPENSIS L. GROWING IN MASCARA (WESTERN ALGERIA)**  
Bekkar N. E. H., Meddah B., ÇAKMAK Y. S., KESKİN B.  
JOURNAL OF MICROBIOLOGY BIOTECHNOLOGY AND FOOD SCIENCES, vol.10, no.5, 2021 (ESCI)
- VI. **Laminated Carbon Nanotubes for the Facile Fabrication of Cost-Effective Polymer Solar Cells**  
Ali A., Kazici M., Bozar S., Keskin B., Kaleli M., Shah S. M., GÜNEŞ S.  
ACS APPLIED ENERGY MATERIALS, vol.1, no.3, pp.1226-1232, 2018 (ESCI)
- VII. **Reinvestigation of bromination of 8 substituted quinolines and synthesis of novel phthalonitriles**  
Ökten S., Çakmak O., Saddiqa A., Keskin B., Özdemir S., İnal M.  
ORGANIC COMMUNICATIONS, vol.9, pp.82-93, 2016 (Scopus)
- VIII. **Formation of TiO<sub>2</sub> thin films by a modified sol-gel route and characterization of structural, optical and electrochromic properties**  
Gökdemir F. P., Yüzbasioğlu V. E., Keskin B., Özdemir O., Kutlu K.  
Advanced Materials Letters, vol.5, pp.367-371, 2014 (Scopus)

### Books & Book Chapters

- I. **Synthesis and Characterization of Novel Peripherally 3-Bromo-1-Phenyl-1-Propene Derivative of Porphyrazine**  
Keskin B., Avciata U., Gül A.  
in: Innovations in Chemical Biology, Sener B., Editor, Springer Netherlands Library Service Library Service, Ankara, pp.389-395, 2009

### Refereed Congress / Symposium Publications in Proceedings

- I. **Non-peripheral Cobalt Phthalocyanine bearing Phthalimide unit: Facile synthesis via click reaction, spectroscopic and DNA Binding Study**  
Demirel E. N., KESKİN B.  
8th International Conference on New Trends in Chemistry, Magusa, Cyprus (Kkct), 16 May 2022, vol.1, pp.61
- II. **Production of High Energy Capacity of Reduced graphene Oxide -Quinoline Zinc Phthalocyanine Nanohybrid Material**  
Balçık M., Keskin B.  
8th International Conference on New Trends in Chemistry, Gazimagusa, Cyprus (Kkct), 16 - 18 May 2022, pp.61
- III. **Therapeutic Application of Zizyphus lotus and Ruta chalepensis Essential Oils in Treatment of Gastroenteritis Induced by Salmonella enterica ssp arizonae in Wistar Rats**  
Bekkar N. E. H., Meddah B., KESKİN B., Sonnet P.  
Second International Congress on Biological and Health Science, Online, Turkey, 24 February 2022, vol.1, pp.83
- IV. **Oral acute toxicity of Zizyphus lotus essential oil in Wistar rats and effect on liver function**  
Bekkar N. E. H., Meddah B., KESKİN B.  
SixthMGIBR International Workshop of Aromatic, Medicinal and Condiment plants virtues and development prospects, Tilimsan, Algeria, 27 - 28 June 2020, pp.49
- V. **Investigation of catalytic properties of MoS<sub>2</sub>-GO nanostructures for hydrogenation reactions of various functional organic groups**  
Yıldırım A., Bayındır O., Keskin B.  
4th Int. Symposium on Materials for Energy Storage and Conversion (mESC-IS 2019), Muğla, Turkey, 11 - 13 September 2019, vol.1, pp.90
- VI. **MoS<sub>2</sub>-GO nanostructures as efficient cocatalyst of Zinc Phthalocyanine for water splitting**  
Messaoudi H., Keskin B., Koca A.  
4th Int. Symposium on Materials for Energy Storage and Conversion (mESC-IS 2019), Muğla, Turkey, 11 - 13 September 2019, vol.1, pp.91
- VII. **Synthesis and characterization of cobalt oxide (Co<sub>3</sub>O<sub>4</sub>)-functionalized reduced graphene oxide nanostructure via click reaction on copper foam as a supercapacitor electrode material**  
Keskin B., Şahintürk U.  
4th Int. Symposium on Materials for Energy Storage and Conversion (mESC-IS 2019), Muğla, Turkey, 11 - 13 September 2019, vol.1, pp.35
- VIII. **Ceviz Kabuğundan Karbon Nanomalzemelerin Sentezi ve Karakterizasyonu**  
Keskin B., Erdemir B.  
31. Ulusal Kimya Kongresi, İstanbul, Turkey, 10 - 13 September 2019, vol.1, pp.364
- IX. **Preperation Graphene oxide-poly(amidoamine) dendrimer nanohybrid material modified electrode for enhancing capacitance**  
Islam M. N., Keskin B., Tülü M.  
13th International Conference on Electrochemistry, Barcelona, Spain, 27 - 28 May 2019, vol.10, no.1, pp.46
- X. **Synthesis and Investigation of New Type Silicon Phthalocyanines for Photodynamic Therapy**  
Yaşa Atmaca G., Keskin B., Erdoğan A.  
Third GTU Photodynamic Day, Kocaeli, Turkey, 09 May 2018
- XI. **Phthalocyanines complexes with quinoline substituents: Synthesis, aggregation and antioxidant properties**  
KESKİN B., ORTADOĞULU E.  
20th JCF-Frühjahrssymposium, Konstanz, Germany, 21 - 24 March 2018
- XII. **Comparing Capacitances of Modified Glassy Carbon Electrodes by Microwave asisted Reduced Graphene Oxide with Metallophthalocyanines**  
KESKİN B., ŞAHİNTÜRK U.  
2nd Int. Symposium on Materials for Energy Storage and Conversion (mESC-IS 2017), 26 - 28 September 2017, vol.1
- XIII. **Spectroscopic Investigation of Synthesized Water Soluble Metallo Phthalocyanines: Absorbance, Fluorescence, Mass and Voltammetric Studies**

KESKİN B.

3rd International Turkish Congress on Molecular Spectroscopy (TURCMOS 2017), Muğla, Turkey, 26 - 29 August 2017, vol.1, pp.181

- XIV. **Synthesis, Characterization and Physical Properties of Novel Metallo Phthalocyanines Peripherally substituted Fluoro Quinoline Moiety**  
KESKİN B., CAN N., YILMAZ G. D.  
International Congress On Applied Science And Technology (ASTECH'2017), 17 - 20 April 2017, vol.1, pp.72
- XV. **Synthesis, Characterization and Photophysical Properties of Novel Dye Water Soluble Phthalocyanines**  
KESKİN B.  
International Congress On Applied Science And Technology (ASTECH'2017), 17 - 20 April 2017, vol.1, pp.72
- XVI. **Synthesis, Photochemical and Voltammetric DNA Binding Study of Quinoline Substituted Water Soluble Phthalocyanines**  
KESKİN B., PEKSEL A.  
International Congress On Applied Science And Technology (ASTECH'2017), 17 - 20 April 2017, vol.1, pp.49
- XVII. **Insight into the Capacitive Properties of Azido Groups on Reduced Graphene Oxide**  
ŞAHİNTÜRK U., EKERİM A., KESKİN B., YILMAZ İ.  
International Conference On Energy Systems Istanbul 2016- ICES2016, İstanbul, Turkey, 21 - 23 December 2016
- XVIII. **Pristine Aligned Multi Wall Carbon Nanotubes as Non Metal Electrocatalysts for Oxygen evolution Reaction of Water Splitting**  
KESKİN B., ALİ A., AKYÜZ D., KOCA A.  
International Conference On Energy Systems Istanbul 2016- ICES2016, İstanbul, Turkey, 21 - 23 December 2016
- XIX. **Electrochemically reduced graphene oxide metallophthalocyanine modified glassy carbon electrode for enhancing capacitance**  
KESKİN B., ŞAHİNTÜRK U.  
3rd Emerging 2D Materials & Graphene Conference from Laboratory to Industry 2016, İstanbul, Turkey, 20 - 21 October 2016, pp.63
- XX. **Enhanced capacitance of Electrochemically Reduced Azido Graphene Oxide Nickel Foam Electrode**  
ŞAHİNTÜRK U., EKERİM A., KESKİN B., YILMAZ İ.  
3rd Emerging 2D Materials & Graphene Conference from Laboratory to Industry 2016, İstanbul, Turkey, 20 - 21 October 2016, pp.61-62
- XXI. **Synthesis and characterization of a new Fluoro Quinoline substituted zinc phthalocyanines**  
KESKİN B., ARSLAN M.  
International Congress on Fundamental and Applied Sciences 2016 (ICFAS2016), İstanbul, Turkey, 22 - 26 August 2016
- XXII. **Synthesis Characterization Aggregation and Electrochemical Properties of Fluoro Functionality Phthalocyanines**  
AYTAN KILIÇARSLAN F., KESKİN B., ERDOĞMUŞ A., ERDEN İ.  
International Congress on Fundamental and Applied Sciences 2016 (ICFAS2016), İstanbul, Turkey, 22 - 26 August 2016
- XXIII. **Modification of Glassy carbon electrode with electrochemically reduced graphene oxide supported Cobaltphthalocyanine for enhancing its capacitance**  
KESKİN B., Şahintürk U., Ekerim A.  
2 nd International Conference on Organic Electronic Material Technologies (OEMT2016), Çanakkale, Turkey, 17 - 19 May 2016
- XXIV. **Capacitive behaviour of reduced azido graphene oxide electrodes decorated with metallophthalocyanine**  
ŞAHİNTÜRK U., KESKİN B., EKERİM A.  
2nd International Conference on Organic Electronic Material Technologies (OEMT2016), Çanakkale, Turkey, 17 - 19 May 2016
- XXV. **Synthesis Characterization and Photophysical Properties of Novel Dye Water Soluble Zinc**



## **Phthalocyanines**

KESKİN B.

Uluslararası Paintistanbul & Turkcoat 2016, Katılımlı Boya Sanayi, Hammadde ve Yardımcı Maddeler Kongresi, İstanbul, Turkey, 22 - 23 March 2016

- XXVI. **Yeni Suda Çözünür Magnezyum Ftalosiyanın Sentezi Karakterizasyonu ve DNA Bağlama Özelliğinin Araştırılması**  
KESKİN B., Okuyucu O., DURU KAMACI Ü., Yılmaz G. D., PEKSEL A.  
4. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, Aydın, Turkey, 17 - 20 March 2016
- XXVII. **Yeni Suda Çözünür Çinko Ftalosiyanın Sentezi Fotokimyasal ve DNA Bağlama Özelliklerinin İncelenmesi**  
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### **Supported Projects**

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Keskin B., Mataev M., Nurbekova M., Abdraimova M., Sarsenbayeva Z., Other International Funding Programs, 3d Geçiş Metalli Manyetik Metal Oksit Parçacıkların Sentezi, Karakterizasyonu, Manyetik ve Fizikokimyasal Özelliklerinin

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CAN N., ÖZDEMİR O., KESKİN B., ALTINDAL A., SÜNGÜ MISIRLIOĞLU B., Project Supported by Higher Education Institutions, Pestisitlerin (Pesticides) Algılanmasına Yönelik Biyosensörlerin Geliştirilmesi, 2016 - 2019

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## Activities in Scientific Journals

Nanotechnology, Advisory Committee Member, 2018 - Continues

## Memberships / Tasks in Scientific Organizations

Kimyagerler Derneği, Member, 2009 - Continues

## Scientific Refereeing

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Ataturk University, Turkey, May 2019  
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Ataturk University, Turkey, May 2019  
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## **Metrics**

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## **Congress and Symposium Activities**

2.Pil Çalıştayı, Attendee, Kayseri, Turkey, 2018

## **Non Academic Experience**

Yıldız Teknik Üniv.

University of Minnesota, Duluth

North Dakota State Univ.