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International Researcher IDs

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Biography

Arş. Gör. Özlem BUDAK 1990 yılında İstanbul'da doğdu. Lisans eğitimini, 2008-2012 yılları arası Gazi Üniversitesi Mühendislik Fakültesi Kimya Mühendisliği Bölümü'nde tamamlamıştır. 2014-2016 yılları arası Kablotek Kablo San. ve Tic. Ltd. Şti firmasında ARGE mühendisi olarak çalışmıştır. 2016-2018 yılları arasında Etimaden Kırka Bor İşletmeleri Müdürlüğünde Penta-3 Fabrikasında üretim sorumlusu olarak görev almıştır. 2020 yılında yüksek lisans eğitimini ve 2024 yılında doktora eğitimini Marmara Üniversite'sinde tamamlamıştır. 2018 yılı itibari ile de Marmara Üniversitesi Mühendislik Fakültesi Kimya Mühendisliği Bölümü Kimyasal Teknolojiler Anabilim Dalı'nda araştırma görevlisi olarak çalışmaya devam etmektedir.

Education Information

Postgraduate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Chemical Engineering (Eng), Turkey 2018 - 2020

Undergraduate, Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Turkey 2008 - 2012

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Other, TS EN ISO 9001:2015 Risk Tabanlı Proses Yönetimi Eğitimi, Etimaden Kırka bor İşletme Müdürlüğü, 2017

Other, Yönetim Sistemleri Entegre İç Tetkik Eğitimi, Etimaden Kırka Bor İşletme Müdürlüğü, 2017

Sustainable Energy Resources, TS EN ISO 50001 Enerji Yönetim Sistemi Temel Eğitimi, Etimaden Kırka Bor İşletme Müdürlüğü, 2017

Occupational Health and Safety, TS 18001 İş Sağlığı ve Güvenliği Yönetim Sistemi Temel Eğitimi, Etimaden Kırka Bor İşletme Müdürlüğü, 2017

Environment and Sustainability, TS EN ISO 14001:2015 Çevre Yönetim Sistemi Temel Eğitimi, Etimaden Kırka Bor İşletme Müdürlüğü, 2017

Quality Management, TS EN ISO 9001:2015 Kalite Yönetim Sistemi Temel Eğitimi, Etimaden Kırka Bor İşletme Müdürlüğü, 2017

Research Areas

Engineering and Technology

Academic Titles / Tasks

Research Assistant, Marmara University, Faculty of Engineering, Chemical Engineering, 2018 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **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)
- II. **Polyindole coated NiCo₂S₄ composites as high-performance supercapacitor electrode materials**
Otluca H. E., BUDAK Ö., BİLİCİ A., KOCA A.
Journal of Energy Storage, vol.86, 2024 (SCI-Expanded)
- III. **Electrochemical, spectroelectrochemical, and electrochromic characterization of silicon(IV) phthalocyanine with axially ligated electropolymerizable 3,4-ethylenedioxythiophene moieties**
Yıldız B., BUDAK Ö., KOCA A., ŞENER M. K.
Dyes and Pigments, vol.223, 2024 (SCI-Expanded)
- IV. **Synthesis, characterization, electrochemistry and spectroelectrochemistry of new peripherally substituted lutetium bis phthalocyanines**
Kılıçarslan F. A., ERDOĞMUŞ A., BUDAK Ö., KOCA A.
Inorganica Chimica Acta, vol.561, 2024 (SCI-Expanded)
- V. **Supercapacitive properties of carbazole-containing cobalt(ii) phthalocyanines/reduced graphene oxide composites**
Yenilmez H. Y., BUDAK Ö., Öztürk N. F., KOCA A., Boz A., Ustamehmetoğlu B., Altuntaş Bayır Z.
Dalton Transactions, vol.53, no.4, pp.1766-1778, 2023 (SCI-Expanded)
- VI. **Chloromanganese and oxo-Titanium (IV) phthalocyanines: Synthesis, electrochemistry and Spectroelectrochemistry**
DİLBER G., NAS A., BUDAK Ö., KOCA A.
Polyhedron, vol.242, 2023 (SCI-Expanded)
- VII. **Improved photoelectrochemical hydrogen production performance of reduced graphene oxide-cadmium zinc sulfoselenide photoelectrodes prepared by a Facile In-situ Electrosynthesis method**
NELİ Ö. U., BUDAK Ö., KOCA A.
Electrochimica Acta, vol.458, 2023 (SCI-Expanded)
- VIII. **Design of novel metal chalcogenide photoanodes supported with reduced graphene oxide for improvement of photoelectrochemical hydrogen evolution**
Neli Ö., BUDAK Ö., KARACA ALBAYRAK F., KESKİN B., ÖZKAYA A. R., KOCA A.
Journal of Photochemistry and Photobiology A: Chemistry, vol.440, 2023 (SCI-Expanded)
- IX. **Synthesis, Electrochemistry, Spectroelectrochemistry, and Electrochromism of Metallophthalocyanines Substituted with Four (2,4,5-trimethylphenyl)ethynyl Groups**
Ozcan S., Kobak R. Z., BUDAK Ö., KOCA A., Bayır Z.
ELECTROANALYSIS, vol.34, no.10, pp.1610-1620, 2022 (SCI-Expanded)
- X. **Non-peripheral tetra methoxylated pyrazoline bearing Co-II, Cu-II and (MnCl)-Cl-III phthalocyanines: Syntheses, electrochemistry and spectroelectrochemistry**
Yalazan H., KANTEKİN H., BUDAK Ö., KOCA A.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.973, 2022 (SCI-Expanded)

- XI. **Zinc(II) phthalocyanine-viologen dyads: synthesis, electrochemistry, spectroelectrochemistry, electrodeposition, and electrochromism**
YILDIZ B., AHMETALİ E., BUDAK Ö., KOCA A., ŞENER M. K.
NEW JOURNAL OF CHEMISTRY, vol.46, no.16, pp.7410-7423, 2022 (SCI-Expanded)
- XII. **Simultaneous electrochemical deposition of nickel cobalt oxide-reduced graphene oxide composites for high performance asymmetric supercapacitors**
BUDAK Ö., UĞUZ Ö., KOCA A.
JOURNAL OF ENERGY STORAGE, vol.47, 2022 (SCI-Expanded)
- XIII. **Double-decker lutetium phthalocyanine functionalized with 4-phenylthiazol-2-thiol moieties: Synthesis, characterization, electrochemistry, spectroelectrochemistry and electrochromism**
Beduoğlu A., BUDAK Ö., Sevim A. M., KOCA A., Bayır Z.
Polyhedron, vol.209, 2021 (SCI-Expanded)
- XIV. **Manganese phthalocyanine and its graphene quantum dot conjugate: Synthesis, characterization electrochemistry, spectroelectrochemistry, electropolymerization, and electrochromism**
AlMarzouq D., A. Majeed S., BUDAK Ö., KOCA A.
Inorganica Chimica Acta, vol.527, 2021 (SCI-Expanded)
- XV. **Simultaneous electrodeposition of electrochemically reduced graphene oxide-binary metal chalcogenide composites to enhance photoelectrochemical performance**
UĞUZ Ö., BUDAK Ö., KOCA A.
International Journal of Hydrogen Energy, vol.46, pp.35290-35301, 2021 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Elektrodepizasyon Yöntemi ile Hazırlanan İndirgenmiş Grafen Oksit/Kobalt Ftalosiyanın Kompozitinin Süperkapasitör Uygulamalarında Kullanılması**
BUDAK Ö., YENİLMEZ H. Y., Farajzadeh Öztürk N., BAYIR Z., KOCA A.
15. Ulusal Kimya Mühendisliği Kongresi, Çanakkale, Turkey, 4 - 07 September 2023
- II. **Preparation of Metallic Phthalocyanine Based Photoelectrodes for Photoelectrochemical Hydrogen Production Systems**
Varol D. E., BUDAK Ö., UĞUZ NELİ Ö., KESKİN B., KOCA A.
4th International Eurasian Conference on Science, Engineering and Technology, Ankara, Turkey, 14 - 16 December 2022
- III. **Photoelectrochemical Performance of Cd_{0.8}Zn_{0.2}S_xSe_{1-x} Photoelectrodes Fabricated by Electrodeposition Method**
Budak Ö., Uğuz Neli Ö., Koca A.
6 th International Hydrogen Technologies Congress (IHTEC-2022), Çanakkale, Turkey, 23 - 26 January 2022
- IV. **Fabrication of Azide-Functionalized Reduced Graphene Oxide Bearing and ZnPc Decorated Cd_{0.6}Zn_{0.2}Ni_{0.2}Se_{0.8} Photoelectrode and Its Photoelectrochemical Properties /**
Uğuz Neli Ö., Budak Ö., Varol D. E., Keskin B., Koca A.
6th International Hydrogen Technologies Congress, Çanakkale, Turkey, 23 - 26 January 2022, pp.104-106
- V. **Studies on the Photoelectrochemical Performance of Mo, Ni and Cu Decorated RGO-CdS_{0.2}Se_{0.8} Photoelectrodes Fabricated by Electrodeposition Method**
Uğuz Neli Ö., Budak Ö., Başey A. N., Koca A.
72nd Annual ISE Meeting, Jeju-Si, South Korea, 29 August - 03 September 2021, pp.114-115
- VI. **Photoelectrochemical Performance of RGO-CdS_{0.2}Se_{0.8} Photoelectrodes Prepared by One-step Electrodeposition Method**
Budak Ö., Uğuz Neli Ö., Başey A. N., Koca A.
72nd Annual Meeting of the International Society of Electrochemistry, Jeju-Si, South Korea, 29 August - 03 September 2021
- VII. **Analyzing various parameters on supercapacitor performance**

BUDAK Ö., UĞUZ Ö., KOCA A.

2nd International Eurasian Conference on Science, Engineering and Technology, Gaziantep, Turkey, 7 - 09 October 2020

VIII. **Analyses on electrochemical properties of NiCo₂O₄ supercapacitor electrodes**

Budak Ö., Koca A.

The 3rd International Conference on Applications in Chemistry and Chemical Engineering (ICACChE), Skopje, Macedonia, 11 - 15 September 2019

Metrics

Publication: 23

Citation (WoS): 4

Citation (Scopus): 24

H-Index (WoS): 2

H-Index (Scopus): 3

Non Academic Experience

Etimaden Kırka Bor İşletmeleri-Müdürlüğü

KabloteK Kablo San. ve Tic. Ltd. Şti.-ARGE