

Prof. YUSUF DİLGİN

Personal Information

Office Phone: [+90 286 218 0018](tel:+902862180018) Extension: 1783

Fax Phone: [+90 286 218 0533](tel:+902862180533)

Email: ydilgin@comu.edu.tr

Web: <https://avesis.comu.edu.tr/ydilgin>

International Researcher IDs

ORCID: 0000-0002-2980-6871

Publons / Web Of Science ResearcherID: HJY-4717-2023

ScopusID: 6507953466

Yoksis Researcher ID: 12191

Education Information

Doctorate, Canakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, Kimya Anabilim Dalı, Turkey 1999 - 2004

Postgraduate, Canakkale Onsekiz Mart University, Fırat Üniversitesi/Fen Bilimleri Enstitüsü, Kimya Anabilim Dalı, Turkey 1997 - 1999

Undergraduate, Fırat University, Fen Edebiyat Fakültesi, Kimya, Turkey 1993 - 1997

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, cccccccc, Ege University, Fen Bilimleri Enstitüsü, Kimya Anabilim Dalı, 2004

Postgraduate, xxxxxxxxxxxx, Fırat University, Fen Bilimleri Enstitüsü, Kimya Anabilim Dalı, 1999

Research Areas

Chemistry, Analytical Chemistry, Bioanalytical Methods, Electromagnetic Methods, Sensors, Spectroscopical Methods, Natural Sciences

Academic Titles / Tasks

Professor, Canakkale Onsekiz Mart University, Fen Fakültesi, Kimya Bölümü, 2013 - Continues

Associate Professor, Canakkale Onsekiz Mart University, Fen Fakültesi, Kimya Bölümü, 2008 - 2013

Assistant Professor, Canakkale Onsekiz Mart University, Fen Fakültesi, Kimya Bölümü, 2005 - 2008

Research Assistant, Canakkale Onsekiz Mart University, Fen Fakültesi, Kimya Bölümü, 1998 - 2005

Academic and Administrative Experience

Courses

Analitik Kimya II, Undergraduate, 2017 - 2018
Lisans Tezi, Undergraduate, 2017 - 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Amperometric sensor for total antioxidant capacity measurement using Cu(II)-neocuproine/carrageenan-MWCNT/GCE**
ŞEN F. B., Elmas E., DİLGİN Y., BENER M., APAK M. R.
Microchemical Journal, vol.199, 2024 (SCI-Expanded)
- II. **Simple, sensitive, and cost-effective voltammetric determination of salbutamol at a pencil graphite electrode modified with Nafion and functionalized multi-walled carbon nanotubes**
Giray Dilgin D., Vural K., Karakaya S., Dilgin Y.
Monatshefte fur Chemie, vol.155, no.2, pp.143-153, 2024 (SCI-Expanded)
- III. **A novel acetylcholinesterase inhibition based colorimetric biosensor for the detection of paraoxon ethyl using CUPRAC reagent as chromogenic oxidant**
AYAZ S., Uluçay S., ARDA A., DİLGİN Y., APAK M. R.
Talanta, vol.266, 2024 (SCI-Expanded)
- IV. **Fabrication of a Novel Optical Glucose Biosensor Using Copper(II) Neocuproine as a Chromogenic Oxidant and Glucose Dehydrogenase-Immobilized Magnetite Nanoparticles**
AYAZ S., ARDA A., DİLGİN Y., APAK M. R.
ACS Omega, vol.8, no.49, pp.47163-47172, 2023 (SCI-Expanded)
- V. **Voltammetric Determination of Favipiravir Used as an Antiviral Drug for the Treatment of Covid-19 at Pencil Graphite Electrode**
Ersan T., GİRAY DİLGİN D., Kumrulu E., Kumrulu U., DİLGİN Y.
ELECTROANALYSIS, vol.35, no.4, 2023 (SCI-Expanded)
- VI. **Highly Sensitive Square Wave Voltammetric Determination of Sunset Yellow at a functionalized-MWCNTs/poly(Alizarin Red-S) Composite Modified Electrode**
Gunes M., KARAKAYA S., DİLGİN Y.
ELECTROANALYSIS, vol.34, no.10, pp.1644-1655, 2022 (SCI-Expanded)
- VII. **Flow-Injection Amperometric Determination of Glucose Using Nickel Oxide-Cobalt (II,III) Oxide and Nickel Oxide-Copper Nanoparticle Modified Pencil Graphite Electrodes**
AYAZ S., KARAKAYA S., EMİR G., Usakligil N., GİRAY DİLGİN D., DİLGİN Y.
ANALYTICAL LETTERS, vol.55, no.13, pp.2046-2057, 2022 (SCI-Expanded)
- VIII. **A Binary Solvent Dispersive Liquid-Liquid Microextraction Method for the Determination of Four Endocrine Disruptor Compounds by Gas Chromatography with Flame Ionization Detector**
Yaman B., Zaman B. T., Chormey D. S., BAKIRDERE S., DİLGİN Y.
WATER AIR AND SOIL POLLUTION, vol.233, no.5, 2022 (SCI-Expanded)
- IX. **A novel flow injection amperometric method for sensitive determination of total antioxidant capacity at cupric-neocuproine complex modified MWCNT glassy carbon electrode**
AYAZ S., ARDA A., DİLGİN Y., APAK M. R.
MICROCHIMICA ACTA, vol.189, no.4, 2022 (SCI-Expanded)
- X. **Sensitive voltammetric determination of oxymetazoline hydrochloride at a disposable electrode**
Gunes M., KARAKAYA S., Kocaaga T., Yildirim F., DİLGİN Y.
MONATSHEFTE FUR CHEMIE, vol.152, no.12, pp.1505-1513, 2021 (SCI-Expanded)

- XI. **Electrocatalytic oxidation and flow injection analysis of formaldehyde at binary metal oxides (Co₃O₄–NiO and CuO–Co₃O₄) modified pencil graphite electrodes**
EMİR G., KARAKAYA S., Ayaz S., Dilgin D. G., DİLGİN Y.
Monatshefte fur Chemie, vol.152, no.12, pp.1491-1503, 2021 (SCI-Expanded)
- XII. **Sensitive, Accurate and Selective Determination of Cd(II) Using Anodic Stripping Voltammetry With In-situ Hg-Bi Film Modified Pencil Graphite Electrode After Magnetic Dispersive Solid Phase Microextraction**
Yaman B., Zaman B. T., BAKIRDERE S., DİLGİN Y.
ELECTROANALYSIS, vol.33, no.10, pp.2161-2168, 2021 (SCI-Expanded)
- XIII. **Sensitive Electrochemical Determination of Trifluralin at a Disposable Pencil Graphite Electrode**
Gege U., Karakaya S., Dilgin Y.
ELECTROANALYSIS, vol.33, no.6, pp.1547-1556, 2021 (SCI-Expanded)
- XIV. **Flow injection amperometric sensing of hydroxylamine at a Cu(ii)-neocuproine-functionalized multiwalled carbon nanotube/screen printed carbon electrode**
Ayaz S., DİLGİN Y., APAK M. R.
New Journal of Chemistry, vol.45, no.20, pp.9143-9151, 2021 (SCI-Expanded)
- XV. **Speciation of antimony in anti-leishmanial drug using two different chemical receptors and adsorptive anodic stripping voltammetry on glassy carbon electrode**
Sezgin H. V., DİLGİN Y., GÖKÇEL H. İ.
MONATSHEFTE FUR CHEMIE, vol.152, no.2, pp.201-208, 2021 (SCI-Expanded)
- XVI. **Amperometric nonenzymatic glucose biosensor based on graphite rod electrode modified by Ni-nanoparticle/polypyrrole composite**
EMİR G., DİLGİN Y., Ramanaviciene A., Ramanavicius A.
Microchemical Journal, vol.161, 2021 (SCI-Expanded)
- XVII. **Flow injection amperometric determination of hydrazine at a cupric-neocuproine complex/anionic surfactant modified disposable electrode**
Ayaz S., DİLGİN Y., APAK M. R.
MICROCHEMICAL JOURNAL, vol.159, 2020 (SCI-Expanded)
- XVIII. **Ultrasensitive voltammetric detection of an antimalarial drug (amodiaquine) at a disposable and low cost electrode**
KARAKAYA S., Kartal B., DİLGİN Y.
MONATSHEFTE FUR CHEMIE, vol.151, no.7, pp.1019-1026, 2020 (SCI-Expanded)
- XIX. **Development of an interference-minimized amperometric-FIA glucose biosensor at a pyrocatechol violet/glucose dehydrogenase-modified graphite pencil electrode**
Guenes M., KARAKAYA S., DİLGİN Y.
CHEMICAL PAPERS, vol.74, no.6, pp.1923-1936, 2020 (SCI-Expanded)
- XX. **A novel enzyme-free FI-amperometric glucose biosensor at Cu nanoparticles modified graphite pencil electrode**
Ayaz S., KARAKAYA S., Emir G., GİRAY DİLGİN D., DİLGİN Y.
Microchemical Journal, vol.154, 2020 (SCI-Expanded)
- XXI. **A New Redox Mediator (Cupric-Neocuproine Complex)- Modified Pencil Graphite Electrode for the Electrocatalytic Oxidation of H₂O₂: A Flow Injection Amperometric Sensor**
Emir G., DİLGİN Y., APAK M. R.
ChemElectroChem, vol.7, no.3, pp.649-658, 2020 (SCI-Expanded)
- XXII. **Development and application of a sensitive, disposable and low-cost electrochemical sensing platform for an antimalarial drug: amodiaquine based on poly(calcein)-modified pencil graphite electrode**
Karakaya S., Kartal B., Dilgin Y.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, pp.1-14, 2020 (SCI-Expanded)
- XXIII. **Sensitive and Rapid Flow Injection Amperometric Hydrazine Sensor using an Electrodeposited Gold Nanoparticle Graphite Pencil Electrode**

- TEOMAN I., KARAKAYA S., DİLGİN Y.
ANALYTICAL LETTERS, vol.52, no.13, pp.2041-2056, 2019 (SCI-Expanded)
- XXIV. **Flow injection amperometric determination of NADH at a calmagite-modified pencil graphite electrode**
GÜNEŞ M., DİLGİN Y.
MONATSHEFTE FÜR CHEMIE, vol.150, no.8, pp.1425-1432, 2019 (SCI-Expanded)
- XXV. **Minimization of Interferences in Flow Injection Amperometric Glucose Biosensor Based on Oxidation of Enzymatically-produced H₂O₂**
KARAKAYA S., DİLGİN Y.
ELECTROANALYSIS, vol.31, no.7, pp.1373-1380, 2019 (SCI-Expanded)
- XXVI. **Sensitive Flow-Injection Electrochemical Determination of Hydrogen Peroxide at a Palladium Nanoparticle-Modified Pencil Graphite Electrode**
KARAKAYA S., DİLGİN Y.
ANALYTICAL LETTERS, vol.52, no.6, pp.998-1017, 2019 (SCI-Expanded)
- XXVII. **Flow injection analysis of sulfide at a calmagite-modified pencil graphite electrode**
EMİR G., DİLGİN Y.
Analytical Letters, vol.51, pp.133-150, 2018 (SCI-Expanded)
- XXVIII. **A low-cost, fast, disposable and sensitive biosensor study: flow injection analysis of glucose at polymethylene blue-modified pencil graphite electrode**
DİLGİN D. G., ERTEK B., DİLGİN Y.
JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, vol.15, no.6, pp.1355-1363, 2018 (SCI-Expanded)
- XXIX. **Introductory Note to the Special Issue of "Analytical Letters" for the International Conference: 10th Aegean Analytical Chemistry Days (AACD 2016)**
APAK M. R., DİLGİN Y., Arda A.
ANALYTICAL LETTERS, vol.51, pp.1-6, 2018 (SCI-Expanded)
- XXX. **Electrochemical behavior and voltammetric determination of some nitro-substituted benzamide compounds**
Sağlam O., Cömert Önder F., Güngör T., Ay M., Dilgin Y.
TURKISH JOURNAL OF CHEMISTRY, vol.42, pp.780-798, 2018 (SCI-Expanded)
- XXXI. **Flow injection amperometric determination of hydrazine based on its electrocatalytic oxidation at pyrocatechol violet modified pencil graphite electrode**
AYAZ S., DİLGİN Y.
Electrochimica Acta, vol.258, pp.1086-1095, 2017 (SCI-Expanded)
- XXXII. **Flow Injection Amperometric Analysis of H₂O₂ at Platinum Nanoparticles Modified Pencil Graphite Electrode**
KARAKAYA S., DİLGİN Y.
ELECTROANALYSIS, vol.29, no.6, pp.1626-1634, 2017 (SCI-Expanded)
- XXXIII. **Fabrication of Photoelectrochemical Glucose Biosensor in Flow Injection Analysis System Using ZnS/CdS-Carbon Nanotube Nanocomposite Electrode**
Saglam O., DİLGİN Y.
ELECTROANALYSIS, vol.29, no.5, pp.1368-1376, 2017 (SCI-Expanded)
- XXXIV. **Adsorption and deposition-assisted anodic stripping voltammetry for determination of antimony(III) in presence of hematoxylin on glassy carbon electrode**
Sezgin H. V., DİLGİN Y., GÖKÇEL H. İ.
TALANTA, vol.164, pp.677-683, 2017 (SCI-Expanded)
- XXXV. **Photoamperometric flow injection analysis of glucose based on dehydrogenase modified quantum dots-carbon nanotube nanocomposite electrode**
Ertek B., DİLGİN Y.
BIOELECTROCHEMISTRY, vol.112, pp.138-144, 2016 (SCI-Expanded)
- XXXVI. **Differential pulse voltammetric determination of eugenol at a pencil graphite electrode**
Saglam O., GİRAY DİLGİN D., Ertek B., DİLGİN Y.

MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.60, pp.156-162, 2016 (SCI-Expanded)

- XXXVII. **Photoelectrochemical glucose biosensor based on a dehydrogenase enzyme and NAD(+)/NADH redox couple using a quantum dot modified pencil graphite electrode**

Ertek B., AKGÜL C., DİLGİN Y.

RSC ADVANCES, vol.6, no.24, pp.20058-20066, 2016 (SCI-Expanded)

- XXXVIII. **Biosensing of glucose in flow injection analysis system based on glucose oxidase-quantum dot modified pencil graphite electrode**

Sağlam O., KIZILKAYA B., Uysal H., DİLGİN Y.

TALANTA, vol.147, pp.315-321, 2016 (SCI-Expanded)

- XXXIX. **Sensitive Voltammetric Determination of Natural Flavonoid Quercetin on a Disposable Graphite Lead**

Vu D. L., Zabcikova S., Cervenka L., Ertek B., DİLGİN Y.

FOOD TECHNOLOGY AND BIOTECHNOLOGY, vol.53, no.4, pp.379-384, 2015 (SCI-Expanded)

- XL. **Adsorptive anodic stripping voltammetric determination of antimony(III) on a glassy carbon electrode using rivastigmine as a new chemical receptor**

Sezgin H. V., GÖKÇEL H. İ., DİLGİN Y.

SENSORS AND ACTUATORS B-CHEMICAL, vol.209, pp.686-694, 2015 (SCI-Expanded)

- XLI. **Photocurrent Generation from Thylakoid Membranes on Osmium-Redox-Polymer-Modified Electrodes**

Hamidi H., Hasan K., Emek S. C., DİLGİN Y., Akerlund H., Albertsson P., Leech D., Gorton L.

CHEMSUSCHEM, vol.8, no.6, pp.990-993, 2015 (SCI-Expanded)

- XLII. **Voltammetric Determination of Tannic Acid in Beverages using Pencil Graphite Electrode**

Vu D. L., Ertek B., DİLGİN Y., Cervenka L.

CZECH JOURNAL OF FOOD SCIENCES, vol.33, no.1, pp.72-76, 2015 (SCI-Expanded)

- XLIII. **Sensitive Voltammetric Determination of Niclosamide at a disposable pencil graphite electrode**

Dede E., Sağlam O., DİLGİN Y.

ELECTROCHIMICA ACTA, vol.127, pp.20-26, 2014 (SCI-Expanded)

- XLIV. **DETERMINATION OF ANTI-CANCER DRUG EMODIN USING A SILICA-GEL-MODIFIED CARBON PASTE ELECTRODE**

Vu D. L., Ertek B., DİLGİN Y., Cervenka L.

QUIMICA NOVA, vol.37, no.10, pp.1629-1632, 2014 (SCI-Expanded)

- XLV. **Photoelectrochemical Communication between Thylakoid Membranes and Gold Electrodes through Different Quinone Derivatives**

Hasan K., DİLGİN Y., Emek S. C., Tavahodi M., Akerlund H., Albertsson P., Gorton L.

CHEMELECTROCHEM, vol.1, no.1, pp.131-139, 2014 (SCI-Expanded)

- XLVI. **A novel impedimetric sensor based on molecularly imprinted polypyrrole modified pencil graphite electrode for trace level determination of chlorpyrifos**

UYGUN Z. O., DİLGİN Y.

SENSORS AND ACTUATORS B-CHEMICAL, vol.188, pp.78-84, 2013 (SCI-Expanded)

- XLVII. **Determination of Tannic Acid Using Silica Gel Modified Carbon Paste Electrode**

Dai Long Vu D. L. V., Ertek B., Cervenka L., DİLGİN Y.

INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE, vol.8, no.7, pp.9278-9286, 2013 (SCI-Expanded)

- XLVIII. **Electrocatalytic oxidation of NADH using a pencil graphite electrode modified with quercetin**

DİLGİN Y., KIZILKAYA B., Dilgin D. G., GÖKÇEL H. İ., Gorton L.

COLLOIDS AND SURFACES B-BIOINTERFACES, vol.102, pp.816-821, 2013 (SCI-Expanded)

- XLIX. **Flow Injection Amperometric Detection of Sulfide Using a Prussian Blue Modified Glassy Carbon Electrode**

Ertek B., Vu D. L., Cervenka L., DİLGİN Y.

ANALYTICAL SCIENCES, vol.28, no.11, pp.1075-1080, 2012 (SCI-Expanded)

- L. **Electrocatalytic Oxidation of NADH Using a Pencil Graphite Electrode Modified with Hematoxylin**

DİLGİN Y., Ertek B., KIZILKAYA B., Dilgin D. G., GÖKÇEL H. İ.

SCIENCE OF ADVANCED MATERIALS, vol.4, no.9, pp.920-927, 2012 (SCI-Expanded)

- LI. **Electrocatalytic oxidation of sulphide using a pencil graphite electrode modified with hematoxylin**
DİLGİN Y., KIZILKAYA B., Ertek B., Isik F., Dilgin D. G.
SENSORS AND ACTUATORS B-CHEMICAL, vol.171, pp.223-229, 2012 (SCI-Expanded)
- LII. **Determination of Quercetin in Medicinal Plants Such as Rose Hip (*Rosa canina*), Bettle (*Urtica dioica*), Terebinth (*Terebinthina chica*) and Purslane (*Portulaca oleracea*) using HPLC-MS Method**
ÖZCAN C., DİLGİN Y., YAMAN M.
ASIAN JOURNAL OF CHEMISTRY, vol.24, no.8, pp.3396-3400, 2012 (SCI-Expanded)
- LIII. **Flow injection analysis of sulphide based on its photoelectrocatalytic oxidation at poly-methylene blue modified glassy carbon electrode**
Dilgin Y., Canarslan S., AYYILDIZ Ö., Ertek B., Nisli G.
ELECTROCHIMICA ACTA, vol.66, pp.173-179, 2012 (SCI-Expanded)
- LIV. **Amperometric determination of sulfide based on its electrocatalytic oxidation at a pencil graphite electrode modified with quercetin**
DİLGİN Y., KIZILKAYA B., Ertek B., Erena N., Dilgin D. G.
TALANTA, vol.89, pp.490-495, 2012 (SCI-Expanded)
- LV. **Glassy carbon electrode modified with poly-Neutral Red for photoelectrocatalytic oxidation of NADH**
GİRAY DİLGİN D., Gligor D., GÖKÇEL H. İ., DURSUN Z., DİLGİN Y.
MICROCHIMICA ACTA, vol.173, pp.469-476, 2011 (SCI-Expanded)
- LVI. **Photoelectrocatalytic determination of NADH in a flow injection system with electropolymerized methylene blue**
DİLGİN Y., GİRAY DİLGİN D., DURSUN Z., GÖKÇEL H. İ., Gligor D., Bayrak B., Ertek B.
ELECTROCHIMICA ACTA, vol.56, no.3, pp.1138-1143, 2011 (SCI-Expanded)
- LVII. **Adsorption and removal of Cu (II) ions from aqueous solution using pretreated fish bones**
KIZILKAYA B., TEKINAY A. A., DİLGİN Y.
DESALINATION, vol.264, pp.37-47, 2010 (SCI-Expanded)
- LVIII. **Photoelectrocatalytic oxidation of NADH in a flow injection analysis system using a poly-hematoxylin modified glassy carbon electrode**
GİRAY DİLGİN D., Gligor D., GÖKÇEL H. İ., DURSUN Z., DİLGİN Y.
BIOSENSORS & BIOELECTRONICS, vol.26, no.2, pp.411-417, 2010 (SCI-Expanded)
- LIX. **Poly-phenothiazine derivative-modified glassy carbon electrode for NADH electrocatalytic oxidation**
Gligor D., DİLGİN Y., Popescu I. C., Gorton L.
ELECTROCHIMICA ACTA, vol.54, no.11, pp.3124-3128, 2009 (SCI-Expanded)
- LX. **Photoelectrocatalytic Oxidation of NADH at a Graphite Electrode Modified with a New Polymeric Phenothiazine**
Gligor D., DİLGİN Y., Popescu I. C., Gorton L.
ELECTROANALYSIS, vol.21, pp.360-367, 2009 (SCI-Expanded)
- LXI. **Electrochemical behaviour of 5-benzyl-4-(4'-methylphenyl)-4H-1,2,4-triazole-3-thiol by voltammetry**
Dilgin Y., KOPARIR M., CETIN A., CANSIZ A., Yilmaz S., GIRAY D.
JOURNAL OF THE INDIAN CHEMICAL SOCIETY, vol.84, no.10, pp.1024-1025, 2007 (SCI-Expanded)
- LXII. **Electrochemical behaviour of 5-(Furan-2-yl)-4-(p-tolyl)-2,4-dihydro-1,2,4-triazole-3-thione by using glassy carbon electrode**
DİLGİN Y., Cansiz A., Cetin A., Kutulay P., ORAL A., YILMAZ S.
ASIAN JOURNAL OF CHEMISTRY, vol.19, no.4, pp.3221-3227, 2007 (SCI-Expanded)
- LXIII. **Osteryoung square wave voltammetric determination of phenazopyridine hydrochloride in human urine and tablet dosage forms based on electrochemical reduction at carbon paste electrode**
ÇITAK M., Yilmaz S., Dilgin Y., Tuerker G., Yagmur S., Erdugan H., ERDUĞAN N.
CURRENT PHARMACEUTICAL ANALYSIS, vol.3, no.2, pp.141-145, 2007 (SCI-Expanded)
- LXIV. **Determination of heavy metal pollution with environmental physicochemical parameters in waste water of Kocabas Stream (Biga, Canakkale, Turkey) by ICP-AES**
Yayintas O. T., Yilmaz S., Turkoglu M., Dilgin Y.

- ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.127, pp.389-397, 2007 (SCI-Expanded)
- LXV. **Electrochemical oxidation of prednisolone at glassy carbon electrode and its quantitative determination in human serum and tablets by Osteryoung square wave voltammetry**
Yilmaz S., SKRZYPEK S., Dilgin Y., Yagmur S., Coskun M.
CURRENT ANALYTICAL CHEMISTRY, vol.3, no.1, pp.41-46, 2007 (SCI-Expanded)
- LXVI. **Photoelectrocatalytic oxidation of NADH with electropolymerized Toluidine Blue O**
Dilgin Y., Gorton L., Nisli G.
ELECTROANALYSIS, vol.19, pp.286-293, 2007 (SCI-Expanded)
- LXVII. **Flow injection photoamperometric investigation of ascorbic acid using methylene blue immobilized on titanium phosphate**
Dilgin Y., Nisli G.
ANALYTICAL LETTERS, vol.39, no.3, pp.451-465, 2006 (SCI-Expanded)
- LXVIII. **Fluorimetric determination of Ascorbic Acid in Vitamin C tablets using methylene blue**
Dilgin Y., NISLI G.
CHEMICAL & PHARMACEUTICAL BULLETIN, vol.53, no.10, pp.1251-1254, 2005 (SCI-Expanded)
- LXIX. **Electrochemical study of natamycin - analytical application to pharmaceutical dosage forms by differential pulse voltammetry**
Aki C., YILMAZ S., DILGIN Y., YAGMUR S., SUREN E.
PHARMAZIE, vol.60, no.10, pp.747-750, 2005 (SCI-Expanded)
- LXX. **Photoelectrochemical investigation of methylene blue immobilised on zirconium phosphate modified carbon paste electrode in flow injection system**
Dilgin Y., Dursun Z., Nisli G., Gorton L.
ANALYTICA CHIMICA ACTA, vol.542, no.2, pp.162-168, 2005 (SCI-Expanded)
- LXXI. **Speciation of lead in soils and relation with its concentration in fruits**
Yaman M., Dilgin Y., Gucer S.
ANALYTICA CHIMICA ACTA, vol.410, pp.119-125, 2000 (SCI-Expanded)

Books & Book Chapters

- I. **Enzyme-Based Photoelectrochemical Biosensors**
DİLGİN Y., GİRAY DİLGİN D.
in: Book Series:50th Year of Haccettepe University Smart Biosensing Technologies: Past Present and Future, Adil DENİZLİ, ArzumERDEM GÜRSAN and Mustafa kemal SEZGİNTÜRK, Editor, Haccetepe University-Palme Yayıncılık, pp.70-100, 2019
- II. **Enzye-Based Photoelectrochemical Biosensor**
DİLGİN Y., GİRAY DİLGİN D.
in: Book Series- 50th Year of Hacettepe UniversitySmart Biosensing Technologies: Past, Present and Future, Series Editor: Prof. Dr. Adil DENİZLİ, Editors: Prof. Dr. Arzum ERDEM GÜRSAN, Prof. Dr. Mustafa Kemal SEZGİNTÜRK, Editor, Haccettepe University, Ankara, pp.69-101, 2018

Refereed Congress / Symposium Publications in Proceedings

- I. **Flow Injection Amperometric Detection of Formaldehyde at Bimetal Nanoparticles Modified Pencil Graphite Electrodes**
GİRAY DİLGİN D., EMİR G., SELEN A., KARAKAYA S., DİLGİN Y.
2nd International Congress on Analytical and Bioanalytical Chemistry (2nd ICABC 2020), Antalya, Turkey, 11 - 14 March 2020, pp.82
- II. **An Enzyme Free Flow Injection Amperometric Glucose Biosensor Using a Cu Nanoparticle Modified Pencil Graphite Electrode**

SELEN A., EMİR G., KARAKAYA S., GİRAY DİLGİN D., DİLGİN Y.

4th International Congress on Biosensors, Çanakkale, Turkey, 8 - 11 July 2019, pp.109

- III. **Electrochemical Sensors/Biosensors Using Nanomaterials/Polymer Modified Pencil Graphite Electrodes**
GİRAY DİLGİN D., DİLGİN Y.
II. International Joint Science Congress of Materials and Polymers ISCMP ALBANIA 2018 s, 9 - 12 November 2018
- IV. **Developments and applications in enzyme based photoelectrochemical biosensors**
DİLGİN Y., GİRAY DİLGİN D.
8th Black Sea Basin Conference on Analytical Chemistry (8th BBCAC), İstanbul, Turkey, 9 - 11 May 2018
- V. **Glucose Biosensing in Flow Injection Analysis System using Poly- Pyrocatechol violet modified Pencil Graphite Electrode**
GÜNEŞ M., DİLGİN Y.
The International Joint Science Congress of Materials and Polymers ISCMP MACEDONIA 2017, 25 - 28 August 2017
- VI. **Electropolymerization of Aromatic Sulphonic Acid Dyes on Pencil Graphite Electrode for Electrochemical Sensor in Flow Injection Analysis**
EMİR G., PARALI S., DİLGİN Y.
The International Joint Science Congress of Materials and Polymers ISCMP MACEDONIA 2017, 25 - 28 August 2017
- VII. **A New Flow Cell for Pencil Graphite Electrode and Its Using Biosensing of Glucose in FIA System**
GİRAY DİLGİN D., DİLGİN Y.
1st European 10th German BioSensor Symposium, Potsdam, Germany, 20 - 23 March 2017
- VIII. **Electrocatalytic Determination of NADH in Flow Injection Analysis System at Pyrocatechol Violet PCV Modified Pencil Graphite Electrode**
güneş m., DİLGİN Y.
International Conference: 10th Aegean Analytical Chemistry Days, Çanakkale, Turkey, 29 September - 02 October 2016
- IX. **Determination of Antimony III with Rivastigmine by Adsorptive Stripping Voltammetry on a Glassy Carbon Electrode**
GÖKÇEL H. İ., vardar sezgin H., DİLGİN Y.
International Conference: 10th Aegean Analytical Chemistry Days, Çanakkale, Turkey, 29 September - 02 October 2016
- X. **Flow Injection Analysis of Sulfide at Calmagite CLM Modified Pencil Graphite Electrode**
EMİR G., DİLGİN Y.
International Conference: 10th Aegean Analytical Chemistry Days, Çanakkale, Turkey, 29 September - 02 October 2016
- XI. **Electrocatalytic Oxidation of Hydrazine in Flow Injection Analysis System using Pyrocatechol Violet PCV Modified Pencil Graphite Electrode**
PARALI S., DİLGİN Y.
International Conference: 10th Aegean analytical Chemistry Days, Çanakkale, Turkey, 29 September - 02 October 2016
- XII. **Altın Nanoparçacık Modifiye Kalem Grafit Elektrot Kullanılarak H₂O₂ in Akışa Enjeksiyon Analiz Sisteminde Elektrokimyasal Tayini**
KARAKAYA S., DİLGİN Y.
8. ULUSAL ANALİTİK KİMYA KONGRESİ, Isparta, Turkey, 30 May - 03 June 2016
- XIII. **Fotoelektrokimyasal Biyosensör ve Sensör Uygulamaları**
DİLGİN Y.
8. Ulusal Analitik Kimya Kongresi, Isparta, Turkey, 30 May - 03 July 2016
- XIV. **Photoelectrochemical Glucose Biosensor in FIA using quantum dot modified electrode**
DİLGİN Y., ERTEK B., SAĞLAM Ö.
XXIII International Symposium on Bioelectrochemistry and Bioenergetics of the Bioelectrochemical Society, Malmö, Sweden, 14 - 18 June 2015
- XV. **Low cost and highly selective electrochemical impedance spectroscopy based molecular**

imprinted sensor for pesticide chlorpyrifos detection

UYGUN Z. O., DİLGİN Y.

XXIII International Symposium on Bioelectrochemistry and Bioenergetics of the Bioelectrochemical Society, 14 - 18 June 2015

- XVI. **PHOTOELECTROCHEMICAL DNA BIOSENSOR BASED ON QUANTUM DOT MODIFIED PENCIL GRAPHITE ELECTRODE**
ERTEK B., SAĞLAM Ö., DİLGİN Y.
2nd International Congress on Biosensor, Turkey, 10 - 12 June 2015
- XVII. **Importance of Composite Electrodes in Electroanalytical applications**
DİLGİN Y., DURSUN Z., NİŞLİ G., GÖKÇEL H. İ., BERİN Y.
IVth International Polymeric Composites Symposium, Exhibition and Brokerage Event, 7 - 09 May 2015
- XVIII. **Fabrication of photoelectrochemical glucose biosensor depending on dehydrogenase enzyme and NAD NADH redox couple using quantum dot modified pencil graphite electrode**
Ertek B., DİLGİN Y.
9th Aegean Analytical Chemistry Days, 29 September - 03 October 2014
- XIX. **Photoelectrochemical sensors for determination of biologically and environmentally important compounds**
DİLGİN Y., NİŞLİ G., GORTON L.
9th Aegean Analytical Chemistry Days, 29 - 03 October 2014
- XX. **Photoelectrochemical glucose biosensor in FIA system based on glucose oxidase quantum dot modified MWCNT GCE**
Sağlam Ö., DİLGİN Y.
9th Aegean Analytical Chemistry Days, 29 September - 03 October 2014
- XXI. **Nitroreduktaz Esaslı Kanser Tedavisinde Kullanılabilecek Bazı Nitroaromatik Amid İlaç Öncü Bileşiklerin Elektrokimyasal İncelenmesi**
AY M., DİLGİN Y., Cömert Önder F., GÜNGÖR T., Sağlam Ö., ÇELİK A.
2. İlaç Kimyası, Üretimi, Teknolojisi ve Standardizasyonu Kongresi, Antalya, Turkey, 21 - 23 March 2014, pp.807
- XXII. **Multi wall nanotubes modified carbon paste electrode and pre treated pencil graphite electrode for ascorbic acid determination**
CERVENKA L., VU D. L., SYS M., ERTEK B., DİLGİN Y., VYTRAS K.
6th International Symposium on Recent Advances in Food Analysis, 5 - 08 November 2013
- XXIII. **Electrochemical Communication between Thylakoid Membranes and Osmium Redox Polymers Modified Electrodes**
GORTON L., HASSAN K., HAMİDİ H., EMEK S. C., DİLGİN Y., LEECH D., AKERLUND H. E., ALBERTSSON P. A.
224th ECS Meeting, 27 October - 01 November 2013
- XXIV. **Voltammetric determination of niclosamide at a pencil graphite electrode**
Dede E., Sağlam Ö., DİLGİN Y.
10th International Electrochemistry Meeting in TURKEY, 4 - 08 September 2013
- XXV. **Voltammetric behavior of rosmarinic acid at a pencil graphite electrode**
UÇAR T., ERTEK B., DİLGİN Y.
10th International Electrochemistry Meeting in TURKEY, 4 - 08 September 2013
- XXVI. **Electrocatalytic oxidation of NADH at poly neutral red modified pencil graphite electrode**
ÇAKIN A., GİRAY DİLGİN D., DİLGİN Y.
10th International Electrochemistry Meeting in TURKEY, 4 - 08 September 2013
- XXVII. **Mediated and Direct Electrochemical Communication between Photosynthetic Cells Membranes and Electrodes**
GORTON L., PATİL S., HASSAN K., LEECH D., CECILIA H., PACKER M., HAMİDİ H., EMEK S. C., DİLGİN Y., AKERLUND H. E., et al.
The Sixth International Workshop on Surface Modification for Chemical and Biochemical Sensing, 8 - 12 November 2012
- XXVIII. **Flow Injection Analysis of sulphide depends on its photoelectrocatalytic oxidation at poly methylene**

blue modified glassy carbon electrode

DİLGİN Y., SEDA C., AYYILDIZ Ö., ERTEK B., NİŞLİ G.

9th International Electrochemistry Meeting in TURKEY, 25 - 29 September 2011

XXIX. Electrocatalytic Oxidation of NADH using a pencil graphite electrode modified with quercetin

DİLGİN Y., KIZILKAYA B., GİRAY DİLGİN D., GÖKÇEL H. İ., GORTON L.

9th International Electrochemistry Meeting in TURKEY, 25 - 29 September 2011

XXX. Amperometric Determination of Sulphide depend on its electrocatalytic oxidation at a pencil graphite electrode modified with quercetin

ERTEK B., ERAN N., DİLGİN Y., KIZILKAYA B., GİRAY DİLGİN D., GİRAY DİLGİN D.

9th International Electrochemistry Meeting in TURKEY, 25 - 29 September 2011

XXXI. The effect of light on the electrocatalytic oxidation of NADH using a poly brilliant cresyl blue modified glassy carbon electrode

ERTEK B., CEYLAN BAKIR Ç., BAYRAK B., DURSUN Z., DİLGİN Y.

8th International Electrochemistry Meeting, 8 - 11 October 2009

XXXII. Photoelectrocatalysis of NADH with electropolymerized modified electrodes

DİLGİN Y., GLIGOR D., GORTON L.

7th Spring Meeting of International Society of Electrochemistry, 22 - 25 March 2009

XXXIII. Carbon based composite electrodes and their applications in analysis

DİLGİN Y., NİŞLİ G.

Polymeric Composites Symposium- Exhibition and Workshops (International Participant), 28 - 30 November 2008

XXXIV. Electropolymerization of hematoxylin for electrocatalytic oxidation of NADH

DİLGİN Y., KAYA İ., GİRAY DİLGİN D., GÖKÇEL H. İ., DURSUN Z.

6th Aegean Analytical Chemistry Days, 9 - 12 October 2008

XXXV. Electrocatalytic detection of nadh using glassy carbon electrodes modified with a new poly phenothiazine derivative

DELIA G., DİLGİN Y., POPESCU I. C., GORTON L.

59th Annual Meeting of the International Society of Electrochemistry, 7 - 12 September 2008

XXXVI. A new polymeric phenothiazine compound for electrocatalytic oxidation of NADH

GLIGOR D., DİLGİN Y., POPESCU I. C., GORTON L.

International Conference on Electroanalysis, ESEAC 2008, 16 - 19 June 2008

XXXVII. PRİDİNYUM KLOKROMAT (PCC), TETRAKİS(PRİDİNYUM)GÜMÜŞ DİKROMAT (Py₄Ag₂Cr₂O₇) ve TETRAKİS(NİKOTİNYUM)GÜMÜŞ DİKROMAT (3-HOCC₄H₄N)₄Ag₂Cr₂O₇) BİLEŞİKLERİNİN ELEKTROKİMYASAL DAVRANIŞLARININ İNCELENMESİ

AYDIN F., DİLGİN Y., YILMAZ S.

III.Ulusal Analitik Kimya Kongresi, Çanakkale, Çanakkale, Turkey, 5 - 07 July 2006

XXXVIII. Photoelectrocatalytic Oxidation of NADH with Electropolymerized Toluidine Blue O

DİLGİN Y., GORTON L., NİŞLİ G.

International Conference on Electroanalysis, 11 - 15 June 2006

XXXIX. Advantages of Electroanalytical Techniques for Determination of Ascorbic Acid in Dairy and Drug Samples

DİLGİN Y., GÜRSOY O.

The Second International Conference of Pharmaceutical and Drug Industries Division, NRC, 7 - 09 March 2005

XL. Characterization and electrochemical behavior of acid activated muscovite by using methylene blue adsorption

DİLGİN Y., BALKÖSE D., NİŞLİ G.

4th Aegean Analytical Chemistry Days, 29 September - 03 October 2004

XLI. Photoelectrochemical Investigation of Methylene Blue Immobilized on Zirconium Phosphate Composite Carbon Paste Electrode in Flow Injection System

DİLGİN Y., DURSUN Z., ŞAĞBAN G., NİŞLİ G.

Third Aegean Analytical Chemistry Days, 29 September - 03 October 2002

XLII. Voltammetric investigation of modified carbon paste electrode with methylene blue on muscovite

OĞUZ KILIÇ D., DİLGİN Y., DURSUN Z., NİŞLİ G.

Second Aegean Analytical Chemistry Days, 1 - 04 November 2000

XLIII. Speciation of iron and manganese in soils and relation with their contents in fruits

YAMAN M., DİLGİN Y., OKUMUŞ N.

CSI XXXI Pre-Symposium, Spectroscopic Methods for Speciation of Elements, 1 - 04 September 1999

XLIV. Distribution of some toxic metals between water and sludge in domestic waste water treatment plant

YAMAN M., HASAR H., CUCİ Y., DİLGİN Y.

CSI XXXI Pre-Symposium, Spectroscopic Methods for Speciation of Elements, 1 - 04 September 1999

Supported Projects

KARAKAYA S., KARTAL B., DİLGİN Y., Project Supported by Higher Education Institutions, Modifiye Edilmiş Kalem Grafit Elektrot ile Antimarial İlaç Amodiakinin Tayinine Yönelik Bir Elektrokimyasal Sensörün Tasarlanması ve Uygulaması, 2019 - 2020

Metrics

Publication: 174

Citation (WoS): 1181

Citation (Scopus): 1305

H-Index (WoS): 21

H-Index (Scopus): 24