

Prof. SERVET ÇETE

Personal Information

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Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 1997 - 2005

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Turkey 1993 - 1997

Undergraduate, Gazi University, Fen-Edebiyat Fakültesi, Kimya Pr., Turkey 1989 - 1993

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Postgraduate, Kobay (Guinea piqs) dokularındaki yağ asitleri içeriği üzerine halotan ve e vitamini ile birlikte verilen halotanın etkilerinin incelenmesi, Gazi University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 1997

Research Areas

Natural Sciences

Academic Titles / Tasks

Assistant Professor, Gazi University, Fen Fakültesi, Kimya Bölümü, 2010 - Continues

Associate Professor, Gazi University, Fen Fakültesi, 2014 - 2021

Research Assistant, Gazi University, Fen Fakültesi, Kimya Bölümü, 1994 - 2010

Advising Theses

ÇETE S., Obtaining Some Flavonoid Compounds And Fatty Acids From The Herbaceous (Veronica Beccabunga) By Supercritical Co2extraction Method, Postgraduate, A.SAİD(Student), 2019

ÇETE S., Investigation Of The Effects Of New Synthesized Coumarin Derivatives And Similar Compounds On Acetylcolinesterase And Butyrylcolinesterase Activity, Postgraduate, T.CENGİZ(Student), 2019

ÇETE S., Preparation of a new biosensor based on graphene for glucose detection, Postgraduate, D.AKIN(Student), 2017

ÇETE S., Investigating A Kind Of Biochemical And Genetic Changes In Allium Sativum L. (Garlic) Which Is Exposed To Different Electromagnetic Fields, Postgraduate, G.DEMİRTAŞ(Student), 2016

ÇETE S., Preparation of a new biosensor for glucose determination in biological fluids, Postgraduate, R.ESRA(Student), 2016

ÇETE S., Investigating A Kind Of Biochemical And Genetic Changes In Allium Cepa L. (Onion) Which Is Exposed To

Different Electromagnetic Fields, Postgraduate, S.AYHAN(Student), 2016

ÇETE S., Immobilization Of The Enzyme Kolin Oxidase With Polypyrrole- Paratoluenesulfonate Film Preparation Of A New Biosensor, Postgraduate, B.ŞENGÜL(Student), 2015

ÇETE S., Preparation Of A New Biosensor For The Determination Of Blood Glucose, Postgraduate, T.YAĞMUR(Student), 2015

ÇETE S., Preparation Of New Amperometric Biosensor To Mark The Freshness Of Fish, Postgraduate, Y.AZİZLİ(Student), 2015

ÇETE S., Preparation procedure for a new biosensor for the detection of fish freshness by the immobilization of xanthine oxidase and uricase enzymes in polypyrrole/ paratoluenesulphonate film, Postgraduate, E.Erol(Student), 2014

ÇETE S., preparation of a new biosensor for the determination of glucose, Postgraduate, M.ÖZYURT(Student), 2014

ÇETE S., Preparation of amperometric biosensor for cholesterol detection, Postgraduate, B.OĞUZ(Student), 2014

ÇETE S., Balık eti tazeliğinin tespiti için ksantin oksidaz ve ürikaz enzimlerinin polipirol/paratoulensülfonat filme immobilizasyonu ile yeni bir biyosensör hazırlanması, Postgraduate, E.EROL(Student), 2014

ÇETE S., The preparation of a new amperometric biosensor for determination of creatine, Postgraduate, S.ÇALIŞKAN(Student), 2012

ÇETE S., Preparation of a new biosensor for determination of glucose with immobilization on the polypyrrole film of glucose oxidase in biologically fluids, Postgraduate, Ö.BAL(Student), 2012

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

- I. **Bioactive sulfonyl hydrazones with alkyl derivative: Characterization, ADME properties, molecular docking studies and investigation of inhibition on choline esterase enzymes for the diagnosis of Alzheimer's disease**
Bilen E., Ozmen Ü., ÇETE S., Alyar S., YAŞAR A.
CHEMICO-BIOLOGICAL INTERACTIONS, vol.360, 2022 (Journal Indexed in SCI)
- II. **Design of a new biosensor platform for creatinine determination**
Caliskan S., YİLDİRİM E., AKIN ANAKÖK D., ÇETE S.
JOURNAL OF SOLID STATE ELECTROCHEMISTRY, vol.26, no.2, pp.549-557, 2022 (Journal Indexed in SCI)
- III. **A New Surface Based on Graphene Modified with Nanoparticles and Nafion for the Detection of Glucose**
Anakok D., ÇETE S.
RUSSIAN JOURNAL OF ELECTROCHEMISTRY, vol.57, no.12, pp.1186-1195, 2021 (Journal Indexed in SCI)
- IV. **Extraction and quantification of some valuable flavonoids from pinecone of Pinus brutia via Soxhlet and Supercritical CO₂ extraction: a comparison study**
NURALIN L., GÜRÜ M., ÇETE S.
CHEMICAL PAPERS, vol.75, no.10, pp.5363-5373, 2021 (Journal Indexed in SCI)
- V. **A novel biosensor based on graphene/platinum nanoparticles/Nafion composites for determination of glucose**
Ozbek M. A. , YAŞAR A., ÇETE S., ER E., ERK N.
JOURNAL OF SOLID STATE ELECTROCHEMISTRY, 2021 (Journal Indexed in SCI)
- VI. **Construction of biosensor for hypoxanthine determination by immobilization of xanthine oxidase and uricase in polypyrrole-paratoluenesulfonate film**
Erol E., YİLDİRİM E., ÇETE S.
JOURNAL OF SOLID STATE ELECTROCHEMISTRY, vol.24, no.7, pp.1695-1707, 2020 (Journal Indexed in SCI)
- VII. **A novel biosensor with the use of polypyrrole-poly(sodium-4-styrenesulphonate) as a dopant in the determination of glucose**
ÇETE S., Ozyurt M., YİLDİRİM E., AKIN ANAKÖK D.
CHEMICAL PAPERS, vol.74, no.3, pp.799-808, 2020 (Journal Indexed in SCI)
- VIII. **Micellar Properties and Antimicrobial Activity of a Mixed Surfactant System Constituted by Sodium Dodecyl Sulfate and Cetylpyridinium Chloride**

Tas D. S., ÇETE S.

INDIAN JOURNAL OF PHARMACEUTICAL EDUCATION AND RESEARCH, vol.51, no.4, pp.580-587, 2017 (Journal Indexed in SCI)

- IX. **Development of a novel biosensor based on a polypyrrole-dodecylbenzene sulphonate (PPy-DBS) film for the determination of amperometric cholesterol**
Ozer B. O., ÇETE S.
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.45, no.4, pp.824-832, 2017 (Journal Indexed in SCI)
- X. **Synthesis, characterization, electrochemical behavior, and antimicrobial activities of aromatic/heteroaromatic sulfonylhydrazone derivatives**
BALABAN GÜNDÜZALP A., ÖZDEMİR ÖZMEN Ü., ÇEVRİMLİ B. S. , Mamas S., ÇETE S.
MEDICINAL CHEMISTRY RESEARCH, vol.23, no.7, pp.3255-3268, 2014 (Journal Indexed in SCI)
- XI. **Preparation of Pt/polypyrrole-para toluene sulfonate hydrogen peroxide sensitive electrode for the utilizing as a biosensor**
ÇETE S., Bal O.
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.41, no.6, pp.414-420, 2013 (Journal Indexed in SCI)
- XII. **Preparing a new biosensor for hypoxanthine determination by immobilization of xanthine oxidase and uricase in polypyrrole-polyvinyl sulphonate film**
Gorgulu M., ÇETE S., ARSLAN H., Yasar A.
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.41, no.5, pp.327-331, 2013 (Journal Indexed in SCI)
- XIII. **Glucose biosensor based on the immobilization of glucose oxidase on electrochemically synthesized polypyrrole-poly(vinyl sulphonate) composite film by cross-linking with glutaraldehyde**
Colak O., Yasar A., ÇETE S., ARSLAN F.
ARTIFICIAL CELLS BLOOD SUBSTITUTES AND BIOTECHNOLOGY, vol.40, no.5, pp.354-361, 2012 (Journal Indexed in SCI)
- XIV. **An amperometric biosensor for fish freshness detection from xanthine oxidase immobilized in polypyrrole-polyvinylsulphonate film**
Dolmaci N., ÇETE S., Arslan F., Yasar A.
ARTIFICIAL CELLS BLOOD SUBSTITUTES AND BIOTECHNOLOGY, vol.40, no.4, pp.275-279, 2012 (Journal Indexed in SCI)
- XV. **Synthesis and antimicrobial activity studies of some novel substituted phenylhydrazono-1H-tetrazol-5-yl-acetonitriles**
YAVUZ S., Aydın O., ÇETE S., DİŞLİ A., YILDIRIR Y.
MEDICINAL CHEMISTRY RESEARCH, vol.19, no.2, pp.120-126, 2010 (Journal Indexed in SCI)
- XVI. **Preparation of a Polypyrrole-Polyvinylsulphonate Composite Film Biosensor for Determination of Cholesterol Based on Entrapment of Cholesterol Oxidase**
Yildirimoglu F., ARSLAN F., ÇETE S., Yasar A.
SENSORS, vol.9, no.8, pp.6435-6445, 2009 (Journal Indexed in SCI)
- XVII. **Myoglobin adsorption onto poly(glycidyl methacrylate) microbeads with surface functionalized iminodiacetic acid**
ÇETE S., Turan E., YİLDİRİM E., ÇAYKARA T.
MATERIALS SCIENCE & ENGINEERING C-BIOMIMETIC AND SUPRAMOLECULAR SYSTEMS, vol.29, no.1, pp.20-24, 2009 (Journal Indexed in SCI)
- XVIII. **Cr(III), Fe(III) and Co(III) complexes of tetradentate (ONNO) Schiff base ligands: Synthesis, characterization, properties and biological activity**
Keskioglu E., BALABAN GÜNDÜZALP A., ÇETE S., Hamurcu F., Erk B.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.70, no.3, pp.634-640, 2008 (Journal Indexed in SCI)
- XIX. **The synthesis, characterization and antimicrobial activity of N,N '-bis(2-thiophenecarboxamido)-1,3-**

diaminopropane and N,N '-bis (2-furancarboxamido)-1,3-diaminopropane and their Cu(II), Zn(II), Co(III) complexes

Hamurcu F., BALABAN GÜNDÜZALP A., ÇETE S., Erk B.

TRANSITION METAL CHEMISTRY, vol.33, no.1, pp.137-141, 2008 (Journal Indexed in SCI)

XX. **Tetradentate asymmetric Schiff bases and their Ni(II) and Fe(III) complexes**

Nartop D., Guerkan P., SARI N., ÇETE S.

JOURNAL OF COORDINATION CHEMISTRY, vol.61, no.21, pp.3516-3524, 2008 (Journal Indexed in SCI)

XXI. **Immobilization of uricase upon polypyrrole-ferrocenium film**

ÇETE S., Yasar A., ARSLAN F.

ARTIFICIAL CELLS BLOOD SUBSTITUTES AND BIOTECHNOLOGY, vol.35, no.6, pp.607-620, 2007 (Journal Indexed in SCI)

Articles Published in Other Journals

I. **Preparation of Poly(sodium-4-styrenesulphonate) Doped Polypyrrole Film on Platinum Electrode and its Use in Determination of Hydrogen Peroxide**

ÇETE S., Ozyurt M., YILDİRİM E.

GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.30, no.4, pp.104-112, 2017 (Journal Indexed in ESCI)

II. **Preparation of A New Uric Acid Biosensor with Immobilization of Uricase Upon Polypyrrole-Paratoluene Sulphonate Film**

ÇETE S., Karpuz G., Yasar A.

GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.29, no.2, pp.293-301, 2016 (Journal Indexed in ESCI)

Books & Book Chapters

I. **Biyokimya Laboratuvar Deneyleri,**

YAŞAR A., ARSLAN F., ÇETE S., MUHAMMET S. M.

gazi, 2007

Refereed Congress / Symposium Publications in Proceedings

I. **Süperkritik karbondioksit özütleme yöntemi ile yavşan otu (veronica beccabunga) bitkisinden yağ içeriği eldesi ve bazı flavonoid içeriklerinin belirlenmesi**

YILDIZ A. S. , NURALIN L., AKIN ANAKÖK D., ÇETE S.

UBAK 4th International Scientific Research Congress, Yalova, Turkey, 10 February 2019

II. **Preparation of a new biosensor including nanoparticles and nafion based on graphene for glucose detection**

AKIN ANAKÖK D., ÇETE S.

Preparation of a new biosensor including nanoparticles and nafion based on graphene for glucose detection, Internaitonal Conference: ACS National Meeting & Expo Nanoscience, Nanotechnology & Beyond, BOSTON, United States Of America, 19 August 2018

III. **Synthesis of New Hybrid Molecules Based on Coumarin as Potential inhibitors for the treatment of Alzheimer'xss**

CENGİZ T., BİLEN E., ÇETE S., ÖZDEMİR ÖZMEN Ü.

4th Organic Chemistry Congress with International Participation, Antalya, Turkey, 4 - 08 October 2018

IV. **Schiff Bases Containing Coumarin Thiazole Ring and Anti-Acetylcholinesterase Activities**

CENGİZ T., BİLEN E., ÖZDEMİR ÖZMEN Ü., ÇETE S.

4th Organic Chemistry Congress with International Participation, Antalya, Turkey, 4 - 08 October 2018

- V. **Preparing a new biosensor for hypoxanthine determination**
ÖZYURT M., KABASAKAL C., AKIN ANAKÖK D., YAŞAR A., ÇETE S.
The 12th International Symposium on Pharmaceutical Sciences (ISOPS), Ankara, Turkey, 29 June 2018
- VI. **Yeni Sentezlenen Sülfonil Hidrazon Bileşiklerinin Alzheimer Hastalığı Tedavisinde İnhibitör Olarak Kullanılma Potansiyelleri”**
ÖZDEMİR ÖZMEN Ü., Bilen E., ÇETE S.
1st International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), 26 - 27 April 2018
- VII. **4-Nitro Benzaldehit Türevli Sülfonil Hidrazon Bileşiklerinin Sentezleri, Karakterizasyonları ve Ellman Metodu ile Asetilkolinesteraz Enzimine karşı İnhibitör özellikleri”**
Bilen E., ÖZDEMİR ÖZMEN Ü., ÇETE S.
1st International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), 26 - 27 April 2018
- VIII. **Graphene based hydrogen peroxide sensitive biosensor for glucose sensing**
AKIN ANAKÖK D., ÇETE S.
International 10. Aeeagen Analytical Chemistry Days, Çanakkale, Turkey, 29 September 2016
- IX. **Asimetrik Diimin Ligantları ile Ni(II) ve Fe(III) Komplekslerinin Potansiyometrik ve Biyolojik Özelliklerinin İncelenmesi**
Güngör Ö., Gürkan P., Çete S.
23. Ulusal Kimya Kongresi, Sivas, Turkey, 16 - 20 June 2009
- X. **Bazı aminoasit-Schiff bazları ile komplekslerinin kararlılık sabitleri ile antibakteriyel etkileri arasındaki ilişkinin incelenmesi**
SARI N., GÜRKAN P., ÇETE S.
XX.Ulusal Kimya kongresi, Turkey, 4 - 08 September 2006
- XI. **Etansülfonilhidrazin ile ondan türetilen hidrazon bileşiklerinin sentezi, yapılarının spektroskopik yöntemlerle aydınlatılması ve antimikrobiyal etkilerinin incelenmesi**
ÖZDEMİR ÖZMEN Ü., ÇETE S.
IX. Ulusal Spektroskopi Kongresi Bilkent Üniversitesi, Ankara, Turkey, 9 - 11 June 2005
- XII. **Antimicrobial Activities of New Hydrazone Derivatives on Some Microorganisms,**
ÇETE S., ÖZDEMİR ÖZMEN Ü.
XII. International Biomedical Science and Technology Symposium İzmir, Türkiye, 7 - 10 March 2005
- XIII. **Investigation of Antimicrobial Activities of New Hydrazone Derivatives On Some Microorganisms**
ÇETE S., ÖZDEMİR ÖZMEN Ü.
XII. International Biomedical Science and Technology Symposium İzmir, Türkiye, 7 - 10 March 2005
- XIV. **Studies on the Relationship Between Antimicrobial Activities and the Formation Constants of DL-Amino acid Schiff Bases and Cu(II) Complexes**
SARI N., GÜRKAN P., ÇETE S.
XI. International Symposium on Biomedical Science and Technology, 6 September - 10 June 2004
- XV. **The Role of Complex Stabilities on the Biological Activities of DL-Amino acid Schiff Bases and Ni(II) Complexes**
SARI N., GÜRKAN P., ÇETE S.
XI. International Symposium on Biomedical Science and Technology, 6 September - 10 May 2004
- XVI. **Bazı bitkilerden elde edilen saponinlerinin yapı tayinin incelenmesi**
ÇEVİRİMLİ B. S. , ÇETE S., MUHAMMET S. M. , YAŞAR A.
X. International Biomedical Science and Technology Symposium, 10 December 2003
- XVII. **2-Hidroksiasetofenonmetansülfanilhidrazon Schiff bazının Escherichia Coli ve Candida Albicans üzerine antimikrobiyal etkisinin incelenmesi,**
ÇETE S., ÖZDEMİR ÖZMEN Ü., KARACAN N.
8th Biomedical Science and Technology Symposium METU, Ankara TURKEY, 5 - 08 September 2001

Supported Projects

ÇETE S., Project Supported by Higher Education Institutions, Kolesterol Tayini İçin Amperometrik Biyosensör Hazırlanması, 2013 - 2015

ÇETE S., Project Supported by Higher Education Institutions, PPy(polipirol)-pTS (para toluen sülfonat) film kullanarak glukoz tayini için yeni bir biyosensör hazırlanması., 2011 - 2012

ÇETE S., Project Supported by Higher Education Institutions, Agar ve selüloz asetat üzerine immobilize edilmiş Candida Albicans ve Sacchromyces Cerevisiae kullanılarak Pb'nun biyosorbsiyonunun incelenmesi., 2009 - 2012

Citations

Total Citations (WOS):308

h-index (WOS):10