

## Prof. SERVET ÇETE

### Personal Information

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### International Researcher IDs

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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

## Jury Memberships

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Gazi Üniversitesi, November, 2022

Committee Of Expert, Committee Of Expert, Gazi Üniversitesi, November, 2022

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Ankara Hacı Bayram Veli Üniversitesi, June, 2022

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Gazi Üniversitesi, June, 2022

Doctoral Examination, Doctoral Examination, Gazi Üniversitesi, May, 2021

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

- I. **Development of an amperometric biosensor that can determine the amount of glucose in the blood using the glucose oxidase enzyme: Preparation of polyaniline–polypyrrole–poly(sodium-4-styrenesulfonate) film**  
Uzumer T. Y., ÇETE S., Tekeli Y., Altuner E. E.  
Biotechnology and Applied Biochemistry, vol.71, no.6, pp.1440-1452, 2024 (SCI-Expanded)
- II. **Bis-Ureido-Substituted Benzenesulfonamides: Evaluation of Their Antibacterial, Anticholinesterase, and Cytotoxicity Properties**  
Tekeli T., Lolak N., Tekeli Y., Bozgeyik E., AKIN ANAKÖK D., ÇETE S., GÜLÇİN İ., Akocak S.  
ChemistrySelect, vol.9, no.23, 2024 (SCI-Expanded)
- III. **Potent carbonic anhydrase I, II, IX and XII inhibition activity of novel primary benzenesulfonamides incorporating bis-ureido moieties**

Tekeli T., Akocak S., Petreni A., Lolak N., ÇETE S., Supuran C. T.

Journal of Enzyme Inhibition and Medicinal Chemistry, vol.38, no.1, 2023 (SCI-Expanded)

- IV. **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 (SCI-Expanded)
- V. **Design of a new biosensor platform for creatinine determination**  
Caliskan S., YILDİRİM E., AKIN ANAKÖK D., ÇETE S.  
JOURNAL OF SOLID STATE ELECTROCHEMISTRY, vol.26, no.2, pp.549-557, 2022 (SCI-Expanded)
- VI. **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 (SCI-Expanded)
- VII. **Extraction and quantification of some valuable flavonoids from pinecone of Pinus brutia via Soxhlet and Supercritical CO<sub>2</sub> extraction: a comparison study**  
NURALIN L., GÜRÜ M., ÇETE S.  
CHEMICAL PAPERS, vol.75, no.10, pp.5363-5373, 2021 (SCI-Expanded)
- VIII. **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, vol.25, no.5, pp.1601-1610, 2021 (SCI-Expanded)
- IX. **Construction of biosensor for hypoxanthine determination by immobilization of xanthine oxidase and uricase in polypyrrole-paratoluenesulfonate film**  
Erol E., YILDİRİM E., ÇETE S.  
JOURNAL OF SOLID STATE ELECTROCHEMISTRY, vol.24, no.7, pp.1695-1707, 2020 (SCI-Expanded)
- X. **A novel biosensor with the use of polypyrrole-poly(sodium-4-styrenesulphonate) as a dopant in the determination of glucose**  
ÇETE S., Ozyurt M., YILDİRİM E., AKIN ANAKÖK D.  
CHEMICAL PAPERS, vol.74, no.3, pp.799-808, 2020 (SCI-Expanded)
- XI. **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 (SCI-Expanded)
- XII. **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 (SCI-Expanded)
- XIII. **Preparation of RF sputtered AZO/Au thin film hydrogen peroxide sensitive electrode for utilization as a biosensor**  
Durukan İ., Caliskan S., Cete S., Cevrimli B. S., Kinaci B., Özen Y., Corekci S., Ozturk M. K., Memmedli T., Ozcelik S.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.25, pp.3154-3159, 2014 (SCI-Expanded)
- XIV. **Synthesis, characterization, electrochemical behavior, and antimicrobial activities of aromatic/heteroaromatic sulfonylhydrazone derivatives**  
BALABAN GÜNDÜZALP A., ÖZDEMİR ÖZMEN Ü., ÇEVİRİMLİ B. S., Mamas S., ÇETE S.  
MEDICINAL CHEMISTRY RESEARCH, vol.23, no.7, pp.3255-3268, 2014 (SCI-Expanded)
- XV. **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 (SCI-Expanded)

- XVI. **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 (SCI-Expanded)
- XVII. **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 (SCI-Expanded)
- XVIII. **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 (SCI-Expanded)
- XIX. **Synthesis and antimicrobial activity studies of some novel substituted phenylhydrazono-1H-tetrazol-5-yl-acetonitriles**  
YAVUZ S., Aydin O., ÇETE S., DİŞLİ A., YILDIRIR Y.  
MEDICINAL CHEMISTRY RESEARCH, vol.19, no.2, pp.120-126, 2010 (SCI-Expanded)
- XX. **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 (SCI-Expanded)
- XXI. **Amperometric Cholesterol Biosensors Based on the Electropolymerization of Pyrrole and Aniline in Sulphuric Acid for the Determination of Cholesterol in Serum**  
MUHAMMET S. M., Cete S., Arslan F., Yasar A.  
ARTIFICIAL CELLS BLOOD SUBSTITUTES AND BIOTECHNOLOGY, vol.37, no.6, pp.273-278, 2009 (SCI-Expanded)
- XXII. **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 (SCI-Expanded)
- XXIII. **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 (SCI-Expanded)
- XXIV. **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 (SCI-Expanded)
- XXV. **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 (SCI-Expanded)
- XXVI. **Antimicrobial effect on bacterial and yeast cells of phenylselenocyanates and comparison with some antibiotics**  
Cete S., Ozkan H., Arslan F., Yildirim Y., Yasar A.  
ASIAN JOURNAL OF CHEMISTRY, vol.19, no.1, pp.550-554, 2007 (SCI-Expanded)
- XXVII. **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 (SCI-Expanded)
- XXVIII. **Synthesis and antimicrobial effects of some phenylazopropanedinitriles and their derivatives**  
ÇETE S., DİŞLİ A., YILDIRIR Y., YAŞAR A.

ASIAN JOURNAL OF CHEMISTRY, vol.18, no.3, pp.2061-2066, 2006 (SCI-Expanded)

- XXIX. **Synthesis, potentiometric and antimicrobial activity studies on DL-amino acids-Schiff bases and their complexes**

Sari N., Guerkan P., Cete S., Sakiyan I.

RUSSIAN JOURNAL OF COORDINATION CHEMISTRY, vol.32, no.7, pp.511-517, 2006 (SCI-Expanded)

- XXX. **An amperometric biosensor for uric acid determination prepared from uricase immobilized in polypyrrole film**

Cete S., Yasar A., Arslan F.

ARTIFICIAL CELLS BLOOD SUBSTITUTES AND BIOTECHNOLOGY, vol.34, no.3, pp.367-380, 2006 (SCI-Expanded)

- XXXI. **The effects of smoking on antioxidant defence system and membrane free fatty acid content of erythrocytes and plasma lipid parameters: Protective role of antioxidant vitamins**

Kacmaz M., Ozturk H., Cete S., Kavutcu M., Durak I.

NUTRITION RESEARCH, vol.17, no.6, pp.931-940, 1997 (SCI-Expanded)

## 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 (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 (ESCI)
- III. **'Investigation of antimicrobial effects against some microorganisms of aloe vera and Nerium Oleander also examination of the effects on The xanthine oxidase activity in liver tissue treated with cyclosporin**  
ÇETE S., ARSLAN F., YAŞAR A.  
G. Ü. Fen Bilimleri Dergisi, 2005 (Peer-Reviewed Journal)
- IV. **Kobay dokularında halotanın yağ asitleri üzerine etkisinin araştırılması**  
ÇETE S., YAŞAR A., KAVUTÇU M., ÖZTÜRK S.  
G.Ü.Fen Bilimleri Dergisi, 1997 (Peer-Reviewed Journal)

## 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. **A new Sulfonylamide compound containing 4-methoxy cinnamaldehyde with potential bioactivity: Synthesis, characterization, and detailed theoretical calculations**  
İbrahimova N., Özdemir Özmen Ü., Çete S., Balaban Gündüzalp A., Akın Anakök D.  
6th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2023) , Ankara, Turkey, 11 - 13 October 2023, pp.281
- II. **Synthesis of the Anthracene Sulfonyl Hydrazone Compound for Investigation of Biosensor Properties: Characterization, Electrochemical Measurements, and Theoretical Calculations.**

Güler H., Çete S., Özdemir Özmen Ü., Balaban Gündüzalp A., Akin Anakök D.

6th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2023) , Ankara, Turkey, 11 - 13 October 2023, pp.32

- III. **Synthesis of new methane sulfonyl hydrazone with Green Chemistry approach: Molecular structure, HOMO-LUMO, electronic properties and MEP calculations**  
İbrahimova N., Özdemir Özmen Ü., Çete S., Balaban Gündüzalp A., Akin Anakök D.  
4th International Azerbaijan Congresses on Life, Social, and Health Sciences, Baku, Azerbaijan, 15 September - 18 October 2023, pp.78-79
- IV. **New hybrid compounds with potential activity based on Sulfoxazole: Synthesis, characterization and study of anti-cancer activities**  
İbrahimova, N., Özdemir Özmen Ü., Çete S., Akin Anakök D., Cuhacı U., Telkoparan Akıllılar P., Onar O.  
ACS Fall 2023 , California, United States Of America, 13 - 17 August 2023, pp.179
- V. **A new hybrid compound with potential biological activity consisting of the combination of Sulfamethoxazole and Anthracene: Synthesis, Characterization and Theoretical Calculations**  
İbrahimova N., Özdemir Özmen Ü., Çete S., Akin Anakök D., Aktan E., Balaban Gündüzalp A.  
4th International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2022), Ankara, Turkey, 14 - 16 December 2022, pp.155
- VI. **Environmentally friendly Anthracenebased Sulfonylhydrazone for use in biosensor preparation: Synthesis, Characterization and Computational Studies**  
Güler H., ÇETE S., ÖZDEMİR ÖZMEN Ü., BALABAN GÜNDÜZALP A., AKIN ANAKÖK D., AKTAN E.  
4th International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2022), 14 December 2022
- VII. **Synthesis of environmentally friendly and potentially bioactive Schiff bases containing boron**  
ÇETE S., ÖZDEMİR ÖZMEN Ü., AKIN ANAKÖK D.  
3.International Eurasian Conference on Science, Engineering and Technology (EURASIANSCIENTECH), 15 December 2021
- VIII. **Green Chemistry: Synthesis and Characterization of boron containing sulfonyl hydrazone compound by one pot method**  
ÇETE S., ÖZDEMİR ÖZMEN Ü., AKIN ANAKÖK D.  
3.International Eurasian Conference on Science, Engineering and Technology (EURASIANSCIENTECH), 15 December 2021
- IX. **Potential Bioactive sulfonyl hydrazone: Synthesis by one-pot method and theoretical calculations**  
ÇETE S., ÖZDEMİR ÖZMEN Ü., AKIN ANAKÖK D., AKTAN E., ustaoğlu e.  
4.International Eurasian Conference on Biological and Chemical Sciences, 16 January 2021
- X. **Synthesis, characterization and theoretical studies of sulfonyl hydrazone compound containing ferrocene by green chemistry method**  
ÇETE S., ÖZDEMİR ÖZMEN Ü., AKTAN E., AKIN ANAKÖK D., ustaoğlu e.  
4. International Eurasian Conference on Biological and Chemical Sciences, 15 January 2021
- XI. **Design of a new biosensor platform for creatinine determination**  
ÇETE S., AKIN ANAKÖK D., ÇALIŞKAN S.  
International Joint Science and materials polimer (ICMPS), 14 January 2021
- XII. **Preparation of sulfonyl hydrazones by a green chemistry method and investigation of inhibition on choline esterase enzymes for the diagnosis of Alzheimer's disease"**  
Özdemir Özmen Ü., Bilen E., Çete S.  
2nd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2020) , Ankara, Turkey, 7 - 09 October 2020, pp.289
- XIII. **Süperkritik karbondioksit özütleme yöntemi ile yavşan otu (veronica beccabunga) bitkisinden yağ içeriği eldesi ve bazı flavonoid içeriklerinin belirlenmesi**  
Yıldız A. S., Nuralın L., Akin Anakök D., Çete S.  
UBAK 4th International Scientific Research Congress, Yalova, Turkey, 14 - 17 February 2019, pp.261
- XIV. **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

- XV. **Synthesis of New Hybrid Molecules Based on Coumarin as Potential inhibitors for the treatment of Alzheimer'xxx**  
CENGİZ T., BİLEN E., ÇETE S., ÖZDEMİR ÖZMEN Ü.  
4th Organic Chemistry Congress with International Participation, Antalya, Turkey, 4 - 08 October 2018
- XVI. **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
- XVII. **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
- XVIII. **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
- XIX. **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
- XX. **Synthesis of New Hybrid Molecules Based on Coumarin as Potential Inhibitors for the Treatment of Alzheimer's**  
ÇETE S., BİLEN E., Cengiz T., ÖZDEMİR ÖZMEN Ü.  
4th Organic Chemistry Congress with International Participation, 12 January 2018
- XXI. **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
- XXII. **Farklı Elektromanyetik Alanlara Maruz Bırakılan Allium cepa L. Bitkisinde Meydana Gelen Bazı Biyokimyasal ve Genetik Değişimlerin İncelenmesi**  
ÇETE S., ÖZGÜR BÜYÜKATALAY E., demirtaş g.  
7. Ulusal Kimya Öğrenci Kongresi, 17 May 2016
- XXIII. **Farklı Elektromanyetik Alanlara Maruz Bırakılan Allium sativum L. Bitkisinde Meydana Gelen Bazı Biyokimyasal ve Genetik Değişimlerin İncelenmesi**  
ÇETE S., ÖZGÜR BÜYÜKATALAY E., demirtaş g.  
7. Ulusal Kimya Öğrenci Kongresi, 17 May 2016
- XXIV. **Graphene/Nafion Nanocomposite Based Electrochemical Biosensor For Detecting Hypoxanthine**  
ÇETE S., YAŞAR A., öncül a.  
Hacettepe Üniversitesi, 3. Uluslararası biyosensör kongresi, 08 January 2016
- XXV. **Graphene/Nafion Nanocomposite Based Electrochemical Biosensor For Detecting Hypoxanthine**  
ÇETE S., kurtulgu m.  
Hacettepe Üniversitesi, 3. Uluslararası biyosensör kongresi, 07 January 2016
- XXVI. **Preparation of a new amperometric biosensor with immobilization on Popyrrole-Polyaniline film of glucose oxidase**  
ÇETE S., Keleş R. E.  
XI. İnternational Symposium on Pharmaceutical Sciences, 09 June 2015
- XXVII. **Preparation of biosensor for cholesterol determination in blood**

- ÇETE S., Dada A. A.  
XI. International Symposium on Pharmaceutical Sciences, 09 June 2015
- XXVIII. **An Amperometric biosensor for fish freshness detection**  
ÇETE S., Azizli Y.  
XI. International Symposium on Pharmaceutical Sciences, 09 June 2015
- XXIX. **Preparation of biosensor for glucose determination in biological fluids**  
ÇETE S., Uzumer T. Y.  
XI. International Symposium on Pharmaceutical Sciences, 09 June 2015
- XXX. **Glukoz tayini için biyosensör hazırlanması**  
ÇETE S., YAŞAR A., ARSLAN F.  
Uluslararası Katılımlı 25. Ulusal Kimya Kongresi, 27 June 2011
- XXXI. **Immobilization Of Glucose oxidase and invertase on electrochemically synthesized Ppy-PVS composite film by cross-linking via glutaraldehyde for determination of sucrose**  
ÇETE S., YAŞAR A., ARSLAN F.  
The International Conference on Enzyme Science and Technology, 24 January 2011
- XXXII. **An amperometric uric acid biosensor based on Polianiline-Polyvinylsulphonate (Pani-PVS) composite film**  
ÇETE S., ARSLAN F., YAŞAR A., YILMAZ M.  
8th International Electrochemistry Meeting, 08 October 2009
- XXXIII. **Preparation of cholesterol biosensor Polypyrrole-Polyvinylsulphonate (PPy-PVS) composite film based by entrapment of cholesterol oxidase for determination of cholesterol**  
ÇETE S., ARSLAN F., YAŞAR A., Yıldırımöğlu F.  
8th International Electrochemistry Meeting, 08 October 2009
- XXXIV. **The Preparation of a new biosensor for hypoxanthine determination**  
ÇETE S., ARSLAN F., YAŞAR A., Çetin Z. A., Dolmacı N.  
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- XL. **Conformation analysis and synthesis of methanesulfonic acid,1-methylhydrazide; study of their antimicrobial activity**  
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- XLV. **Ürikazın polipirol filme immobilizasyonu**  
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- XLVII. **Investigation of antimicrobial activities of new hydrazone derivatives on some microorganisms**  
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XII. International Biomedical Science and Technology Symposium, 20 September 2005
- XLVIII. **Etansülfonilhidrazin ile ondan türetilen hidrazon bileşiklerinin sentezi, yapılarının spektroskopik yöntemlerle aydınlatılması ve antimikrobiyal etkilerinin incelenmesi**  
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- XLIX. **Etansülfonilhidrazin ile ondan türetilen hidrazon bileşiklerinin sentezi, yapılarının spektrofotometrik yöntemlerle tayini ve antimikrobiyal etkilerinin incelenmesi**  
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XII. International Biomedical Science and Technology Symposium İzmir, Türkiye, 7 - 10 March 2005
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- LIV. **p-Bromofenil selenosiyannür bileşiğinin yeni bir yöntemle sentezi, maya ve bazı patojen bakteriler üzerine antimikrobiyal aktivitelerinin incelenmesi ve bazı antibiyotiklerle karşılaştırılması**  
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- Çete S., TUBITAK Project, Antrasen Esaslı Yeni Schiff Bazlarının Yapısal ve Elektronik Özelliklerinin Belirlenmesi, MoSe<sub>2</sub> ve WS<sub>2</sub> Gibi Metal Dikalkojenitler ile Doplanması ve Alttaş Olarak Biyosensör Uygulamalarında Sinerjik Etkilerinin İncelenmesi, 2023 - 2024
- Çete S., TUBITAK Project, p-Dimetilaminosinnamaldehit Tabanlı Schiff Bazlarının Sentezi, Grafen, WSe<sub>2</sub> ve TiSe<sub>2</sub> Nano Yapılar ile Yeni Oluşturan Ara Yüzeylerin İletkenlik ve Yapısal Özelliklerinin Araştırılması, 2023 - 2024
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- Çete S., TUBITAK Project, Ortam dezenfeksiyonu amaçlı otomatik dezenfeksiyon cihazı ve solüsyonu geliştirilmesi, 2020 - 2021
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## **Activities in Scientific Journals**

Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, Editor, 2022 - Continues

## **Scientific Refereeing**

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## **Scientific Consultations**

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ERYİGİT ENDÜSTRİYEL MAKİNA VE TIBBİ CİHAZLAR İMALAT İTHALAT İHRACAT İNSAAT TİCARET A.Ş., Project Consultancy, Gazi University, Fen Fakültesi, Kimya, Turkey, 2019 - 2021

## **Metrics**

Publication: 107

Citation (WoS): 696

Citation (Scopus): 499

H-Index (WoS): 15

H-Index (Scopus): 12

## **Non Academic Experience**

Gazi Üniversitesi