

## Prof. MEHMET SAYIM KARACAN

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AFV-4718-2022

ScopusID: 56684897100

Yoksis Researcher ID: 50330

### Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 1992 - 1997

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Turkey 1987 - 1991

Undergraduate, Selcuk University, Faculty Of Engineering-Architecture, Kimya Mühendisliği Pr., Turkey 1982 - 1987

### Dissertations

Doctorate, İspanağın mangan klastırını çıkarılmış fotosistem II alt biriminin sentetik mangan kompleksleri ile yeniden yapılandırılması, Gazi University, Fen Bilimleri Enstitüsü, Kimya (Dr), 1997

Postgraduate, Bakırla selenyum arasındaki intermetalik bileşiğin dönüşümlü voltametri (CV) tekniğiyle araştırılması, Gazi University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 1991

### Research Areas

Chemistry

### Academic Titles / Tasks

Professor, Gazi University, Fen Fakültesi, Kimya, 2014 - Continues

Associate Professor, Gazi University, Fen Fakültesi, Kimya, 2008 - 2014

Assistant Professor, Gazi University, Fen Fakültesi, Kimya, 2000 - 2008

Research Assistant, Gazi University, Fen Fakültesi, Kimya, 1987 - 2000

### Courses

#### Postgraduate

KROMATOĞRAFİK AYIRMA METODLARI, Postgraduate, 2022 - 2023

İLERİ ÇEVRE KİMYASI, Postgraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

#### Undergraduate

Aletli Analiz, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019  
Araştırma Projesi I , Undergraduate, 2016 - 2017  
Genel Kimya I, Undergraduate, 2016 - 2017  
ANALİTİK KİMYA I, Undergraduate, 2016 - 2017  
BİLİMİN DOĞASI, Undergraduate, 2016 - 2017

## Supervised Theses

KARACAN M. S., Some sulfonyl urea groups are used as a herbicide active substance of material which is to investigate the electrochemical properties and mechanism of enzyme inhibition is determined by square wave voltammetry and fluorescence spectroscopy techniques, Postgraduate, S.Sel(Student), 2014  
KARACAN M. S., Bazı sülfonil üre grubu herbisit etken maddelerinin elektrokimyasal özelliklerinin incelenmesi ve enzim inhibisyon mekanizmasının kare dalga voltametri ve floresans spektroskopisiyle belirlenmesi, Postgraduate, S.SEL(Student), 2014  
KARACAN M. S., Some sulfonyl hydrazones, sulfonamides, Schiff bases and investigation of electrochemical properties of their some metal complexes, Doctorate, S.MAMAŞ(Student), 2013  
KARACAN M. S., Bazı sülfonil hidrazonların elektrokimyasal özelliklerinin incelenmesi ve kare dalga anodik sıyırma voltametri ile kalayla kurşunun birlikte tayininde kullanılması, Postgraduate, M.GÜNGÖR(Student), 2012  
KARACAN M. S., Investigation of electrochemical properties of some Sb(III) complexes and studying of inhibition effects to glutathione reductase by square wave voltammetry, Postgraduate, H.ORUÇ(Student), 2012  
KARACAN M. S., Oleuropeine determination in some folk medicinal plants by squarewave cathodic stripping voltammetry, Postgraduate, S.TAŞDELEN(Student), 2011  
KARACAN M. S., METHOD DEVELOPMENT OF DETERMINATION OF Pb(II) AND Sn(II) BY SQUARE WAVE ANODIC STRIPPING VOLTAMMETRY, Postgraduate, M.CEYLAN(Student), 2008  
KARACAN M. S., INVESTIGATION OF USABILITY OF BUXUS SEMPERVIRENS L. AS BIOMONITOR FOR MONITORING OF TRACE ELEMENT CAUSED AIR POLLUTION, Postgraduate, F.DAŞDEMİR(Student), 2008  
KARACAN M. S., PRECONCENTRATION AND REMOVAL OF IRON, COPPER, CHROMIUM, NICKEL AND STRONTIUM ON ACTIVATED CARBON IN AQUEOUS SOLUTION AND DETERMINATION BY ICP-OES, Postgraduate, N.ASLANTAŞ(Student), 2007

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

- I. **Probing the Influence of Novel Organometallic Copper(II) Complexes on Spinach PSII Photochemistry Using OJIP Fluorescence Transient Measurements**  
Zharmukhamedov ., Shabanova M. S., Huseynova ., Karacan M. S., Karacan N., Akar H., Kreslavski ., Alharby H. F., Barry B., Allakhverdiev S. I.  
BIOMOLECULES, vol.13, no.7, pp.1-20, 2023 (SCI-Expanded)
- II. **Acetohydroxyacid Synthase (AHAS) Inhibitor-Based Commercial Sulfonylurea Herbicides as Glutathione Reductase Inhibitors: in Vitro and in Silico Studies**  
Sel S., Tunc T., Ortaakarsu A. B., Mamas S., KARACAN N., KARACAN M. S.  
CHEMISTRYSELECT, vol.7, no.38, 2022 (SCI-Expanded)
- III. **Effects of Novel Photosynthetic Inhibitor [CuL<sub>2</sub>]Br-2 Complex on Photosystem II Activity in Spinach**  
Zharmukhamedov S. K., Shabanova M. S., Rodionova M., Huseynova I. M., KARACAN M. S., KARACAN N., Asik K. B., Kreslavski V. D., Alwasel S., Allakhverdiev S.  
CELLS, vol.11, no.17, 2022 (SCI-Expanded)
- IV. **Is carbonic anhydrase activity of photosystem II required for its maximum electron transport rate?**  
Shitov A., Terentyev V. V., Zharmukhamedov S. K., Rodionova M., Karacan M. S., KARACAN N., Klimov V. V., Allakhverdiev S.  
BIOCHIMICA ET BIOPHYSICA ACTA-BIOENERGETICS, vol.1859, no.4, pp.292-299, 2018 (SCI-Expanded)

- V. **Evaluation of new Cu(II) complexes as a novel class of inhibitors against plant carbonic anhydrase, glutathione reductase, and photosynthetic activity in photosystem II**  
Rodionova M. V., Zharmukhamedov S. K., KARACAN M. S., Venedik K. B., Shitov A. V., TUNÇ T., Mamas S., Kreslavski V. D., KARACAN N., Klimov V. V., et al.  
PHOTOSYNTHESIS RESEARCH, vol.133, pp.139-153, 2017 (SCI-Expanded)
- VI. **Characterization of nineteen antimony(III) complexes as potent inhibitors of photosystem II, carbonic anhydrase, and glutathione reductase**  
KARACAN M. S., Rodionova M. V., TUNÇ T., Venedik K. B., Mamas S., Shitov A. V., Zharmukhamedov S. K., Klimov V. V., KARACAN N., Allakhverdiev S. I.  
PHOTOSYNTHESIS RESEARCH, vol.130, pp.167-182, 2016 (SCI-Expanded)
- VII. **Antimony(III) complexes with 2-amino-4,6-dimethoxypyrimidines: Synthesis, characterization and biological evaluation**  
TUNÇ T., KARACAN M. S., Ertabaklar H., SARI M., KARACAN N., Buyukgungor O.  
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY, vol.153, pp.206-214, 2015 (SCI-Expanded)
- VIII. **DNA cleavage, antimicrobial studies and a DFT-based QSAR study of new antimony(III) complexes as glutathione reductase inhibitor**  
TUNÇ T., Koc Y., AÇIK L., KARACAN M. S., KARACAN N.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.136, pp.1418-1427, 2015 (SCI-Expanded)
- IX. **A new method for screening glutathione reductase inhibitors using square wave voltammetry**  
KARACAN M. S., TUNÇ T., Oruc H., Mamas S., KARACAN N.  
ANALYTICAL METHODS, vol.7, no.12, pp.5142-5148, 2015 (SCI-Expanded)
- X. **Screening of novel chemical compounds as possible inhibitors of carbonic anhydrase and photosynthetic activity of photosystem II**  
KARACAN M. S., Zharmukhamedov S. K., Mamas S., Kupriyanova E. V., Shitov A. V., Klimov V. V., ÖZBEK N., ÖZDEMİR ÖZMEN Ü., BALABAN GÜNDÜZALP A., Schmitt F., et al.  
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY, vol.137, pp.156-167, 2014 (SCI-Expanded)
- XI. **Quantitative structure-activity relationship analysis of perfluoroiso-propyldinitrobenzene derivatives known as photosystem II electron transfer inhibitors**  
KARACAN M. S., Yakan C., Yakan M., KARACAN N., Zharmukhamedov S. K., Shitov A., Los D. A., Klimov V. V., Allakhverdiev S. I.  
BIOCHIMICA ET BIOPHYSICA ACTA-BIOENERGETICS, vol.1817, no.8, pp.1229-1236, 2012 (SCI-Expanded)
- XII. **ENRICHMENT AND REMOVAL OF IRON (II), COPPER (II) AND STRONTIUM (II) IONS WITH SULFONAMIDES ON ACTIVATED CARBON IN ENVIRONMENTAL SAMPLES AND DETERMINATION BY ICP-OES ANALYSIS**  
KARACAN M. S., Aslantas N., ASLAN H. G.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.20, no.5, pp.1167-1173, 2011 (SCI-Expanded)
- XIII. **SIMULTANEOUS ARSENIC AND CHROMIUM REMEDIATION FROM WATER BY FENTON AND DICHROMATE OXIDATION USING ZERO-VALENT IRON MEDIA**  
KARACAN M. S., Ugurlu G.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.18, no.10, pp.1816-1822, 2009 (SCI-Expanded)
- XIV. **Multielement determination in fruit, soaps, and gummy extract of Pistacia terebinthus L. by ICP OES**  
KARACAN M. S., Cagran F.  
TURKISH JOURNAL OF BIOLOGY, vol.33, no.4, pp.311-318, 2009 (SCI-Expanded)
- XV. **Simultaneous preconcentration and removal of iron, chromium, nickel with N,N'-ethylenebis-(ethane sulfonamide) ligand on activated carbon in aqueous solution and determination by ICP-OES**  
KARACAN M. S., Aslantas N.  
JOURNAL OF HAZARDOUS MATERIALS, vol.155, no.3, pp.551-557, 2008 (SCI-Expanded)
- XVI. **Semiempirical studies of the electronic structure of iron-sulfur proteins model compounds**  
Karacan M. S.  
CANADIAN JOURNAL OF ANALYTICAL SCIENCES AND SPECTROSCOPY, vol.52, no.1, pp.25-31, 2007 (SCI-

- Expanded)
- XVII. **Reconstitution of the Mn-depleted photosystem 2 by using some manganese complexes**  
Karacan M. S., Somer G.  
PHOTOSYNTHETICA, vol.43, no.2, pp.317-320, 2005 (SCI-Expanded)
- XVIII. **Reconstruction of the water-oxidizing complex in manganese-depleted Photosystem II by using Schiff base manganese complexes**  
Karacan M. S., Somer G.  
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.163, no.3, pp.307-310, 2004 (SCI-Expanded)
- XIX. **Direct determination of selenium in whole blood by anodic stripping voltammetry**  
Karacan M. S., Somer G., Kalayci Ş.  
MIKROCHIMICA ACTA, vol.127, pp.67-70, 1997 (SCI-Expanded)
- XX. **Spectrophotometric determination of the stability constants of Cu(II) and Fe(III) complexes with some aryl Schiff bases**  
Karacan N., Karacan M. S., Baran Y.  
JOURNAL OF THE CHEMICAL SOCIETY OF PAKISTAN, vol.18, no.4, pp.273-276, 1996 (SCI-Expanded)
- XXI. **RECONSTITUTION OF THE WATER-OXIDIZING COMPLEX IN MANGANESE-DEPLETED PHOTOSYSTEM-II COMPLEXES BY USING SYNTHETIC BINUCLEAR MANGANESE COMPLEXES**  
ALLAKHVERDIEV S., KARACAN M. S., SOMER G., KARACAN N., KHAN E., RANE S., PADHYE S., KLIMOV V., RENGER G.  
BIOCHEMISTRY, vol.33, no.40, pp.12210-12214, 1994 (SCI-Expanded)
- XXII. **BINUCLEAR MANGANESE(III) COMPLEXES AS ELECTRON-DONORS IN D1/D2/CYTOCHROME B559 PREPARATIONS ISOLATED FROM SPINACH PHOTOSYSTEM-II MEMBRANE-FRAGMENTS**  
ALLAKHVERDIEV S., KARACAN M. S., SOMER G., KARACAN N., KHAN E., RANE S., PADHYE S., KLIMOV V., RENGER G.  
ZEITSCHRIFT FÜR NATURFORSCHUNG C-A JOURNAL OF BIOSCIENCES, vol.49, pp.587-592, 1994 (SCI-Expanded)
- XXIII. **Formation of an intermetallic compound between selenium and copper**  
SOMER G., KARACAN M. S.  
Electroanalysis, vol.6, no.5-6, pp.527-530, 1994 (SCI-Expanded)

## Articles Published in Other Journals

- I. **The Inhibitory Effect of New Antimony(III)-Based Organometallic Complexes on the Photochemical Activity of Photosystem II and the Activity of Chloroplast Carbonic Anhydrase and Glutathione Reductase**  
Khalilova L., Rodionova M. V., KARACAN M. S., Karacan N., Alwasel S., Kreslavski V. D., Zharmukhamedov S. K., Allakhverdiev S. I.  
NANOTECHNOLOGIES IN RUSSIA, vol.15, no.1, pp.90-95, 2020 (ESCI)

## Books

- I. **Kimya 10. Sınıf Ders Kitabı**  
KARACAN M. S., YILMAZ H., AYAS A., SEÇKEN N., ARI E., KAHVECİ A., COŞTU B., GÜNEY S., MAMAŞ S., ÇELEBİ N., et al.  
MEB, Ankara, 2015
- II. **Kimyasal Ölçmeler**  
KARACAN M. S., KENAR A., ÖZCAN A., UYANIK A., SOLAK A. O., DEMİR C., ARPA ŞAHİN Ç., KENDÜZLER E., AYRANCI E., ÇELİKKAN H., et al.  
in: Nicel Kimyasal Analiz, Ali Rehber TÜRKER, Editor, Palme, Ankara, pp.13-50, 2015

## Papers Published in Refereed Scientific Meetings

- I. **Çikolatada Oleik, Palmitik, Stearik Asitin Voltametrik Tayini için Yöntem Geliştirilmesi**  
YILDIZ N., AKAR H., KARACAN M. S.  
35. ULUSAL KİMYA KONGRESİ, Diyarbakır, Turkey, 09 September 2024, pp.662
- II. **SADE YAĞDA KARE DALGA SIYIRMA VOLTAMETRİSİ İLE PALMİTİK ASİT TAYİNİ İÇİN YÖNTEM GELİŞTİRİLMESİ**  
BAYINDIR M., KARACAN M. S.  
Anadolu XI. UYGULAMALI BİLİMLER KONRESİ, Diyarbakır, Turkey, 29 - 30 December 2022, pp.44
- III. **Formation of an intermetallic compound between selenium and copper**  
KARACAN M. S., SOMER G.  
33 th IUPAC CONGRESS, Budapest, Hungary, 17 - 21 August 1991, pp.120
- IV. **Bitkilerde GR Enziminin Aktivitesinin Tayini İçin Yöntem Geliştirilmesi**  
AKAR H., MAMAŞ S., KARACAN M. S.  
32. Ulusal Kimya Kongresi, Turkey, 17 September 2020, pp.34
- V. **New antimony III complexes as potent inhibitors of photosystem II carbonic anhydrase and glutathione reductase**  
Rodinova M., KARACAN M. S., TUNÇ T., Venedik K. B., Mamaş S., KARACAN N., Shitov A., Zharmukhamedov S., Klimov V., Allakhverdiev S. I.  
Photosynthesis Research for Sustainability, Puschino, Russia, 19 - 25 June 2016
- VI. **Antimon(III) Bromür Komplekslerinin Sentezi, Karakterizasyonu, Bitkilerdeki Üç Farklı Enzim İnhibitör Aktivitelerinin İncelenmesi**  
KARACAN M. S., VENEDİK K. B., TUNÇ T., MAMAŞ S., KARACAN N., Zharmukhamedov S., Allakhverdiev S.  
V. Ulusal Anorganik Kimya Kongresi, Mersin, Turkey, 22 April 2015, pp.296
- VII. **Elektrokimyasal Yolla Bazı Bakır(II) Komplekslerinin Sentezi, Karakterizasyonu ve Glutasyon Redüktaz Enzim İnhibitör Etkilerinin Floresans Spektroskopisi ile İncelenmesi**  
KARACAN M. S., TUNÇ T., VENEDİK K. B., MAMAŞ S., KARACAN N.  
V. Ulusal Anorganik Kimya Kongresi, Mersin, Turkey, 22 April 2015, pp.298
- VIII. **Antimon (III) Klorür Komplekslerinin Sentezi ve Karakterizasyonu: Bitkilerdeki PSII, Karbonik Anhidraz ve Glutasyon Redüktaz İnhibitör Etkilerinin İncelenmesi**  
KARACAN M. S., KARACAN N., VENEDİK K. B., TUNÇ T., MAMAŞ S.  
III. İlaç Kimyası, Üretimi, Teknolojisi ve Standardizasyonu Kongresi, Antalya, Turkey, 20 March 2015, pp.210
- IX. **Elektrokimyasal Yolla Bazı Bakır(II) Komplekslerinin Sentezi, Karakterizasyonu ve Bitkilerdeki Bazı Enzimlere Karşı İnhibitör Etkilerinin İncelenmesi**  
KARACAN M. S., KARACAN N., VENEDİK K. B., TUNÇ T., MAMAŞ S.  
III. İlaç Kimyası, Üretimi, Teknolojisi ve Standardizasyonu Kongresi, Antalya, Turkey, 20 March 2015, pp.209
- X. **Novel method for measuring inhibitory Activity of Glutathione Reductase by Using the Square Wave Voltammetry**  
SEL S., ORUÇ H., TUNÇ T., MAMAŞ S., KARACAN M. S.  
International Enzymes For Biocatalysis Workshop, İstanbul, Turkey, 03 May 2014, pp.66
- XI. **Glutathione Reductase inhibitory Activity and Structure-Activity Relationship of new Antimony Complexes**  
SEL S., TUNÇ T., KARACAN M. S., KARACAN N.  
International Enzymes For Biocatalysis Workshop, İstanbul, Turkey, 03 May 2014, pp.66
- XII. **Bazı Sülfonil Üre Grubu Herbisit Etken Maddelerinin Elektrokimyasal Özelliklerinin İncelenmesi ve Enzim İnhibisyon Mekanizmasının Kare Dalga Voltametriyle Belirlenmesi**  
SEL S., MAMAŞ S., KARACAN M. S.  
II. İlaç Kimyası, Üretimi, Teknolojisi ve Standardizasyonu Kongresi, Antalya, Turkey, 21 March 2014, pp.183
- XIII. **Berberinin elektrokimyasal özellikleri ve kare dalga yöntemi ile zerdeçal bitkisindeki tayini**  
KARACAN M. S., MAMAŞ S., GÜNDEŞ M., YAŞAR M., TOSUN Ş., ORUÇ H.  
VI Ulusal Analitik Kimya Kongresi, Hatay, Turkey, 03 September 2012, pp.320

- XIV. **Bazı sülfonil hidrazonların elektrokimyasal özelliklerinin incelenmesi ve kare dalga anodik sıyırma voltametri ile kalayla kurşunun birlikte tayininde kullanılması**  
KARACAN M. S., Güngör M., MAMAŞ S.  
VI Ulusal Analitik Kimya Kongresi, Hatay, Turkey, 03 September 2012, pp.319
- XV. **Bazı folklorik bitkilerde kare dalga katodik sıyırma voltametri yöntemiyle oleuropein tayini**  
KARACAN M. S., Taşdelen S., MAMAŞ S.  
VI Ulusal Analitik Kimya Kongresi, Hatay, Turkey, 03 September 2012, pp.318
- XVI. **Quantitative structure-activity relationship analysis of perfluoroisopropylidinitrobenzene derivatives known as photosystem II electron transfer inhibitors**  
KARACAN M. S., KARACAN N., Kılıçer Ç., YAKAN M., Allahverdiev S.  
"Photosynthesis Research for Sustainability" Baku, Azerbaijan, 9 - 11 August 2011
- XVII. **Inhibition of photosystem II carbonic anhydrase activity by some sulphonamides and their metal complexes**  
KARACAN M. S., Shitov A., Kupriyanova E., Zharmukhamedov S., KARACAN N., Mamaş S., ÖZBEK N., ÖZDEMİR ÖZMEN Ü., BALABAN GÜNDÜZALP A., Klimov V., et al.  
"Photosynthesis Research for Sustainability" Baku/ Azarbaycan, 24 - 30 July 2011
- XVIII. **Method development of determination of Pb(II) and Sn(II) by square wave anodic stripping voltammetry**  
Ceylan M., KARACAN M. S., Mamaş S., Kılıçer Ç., ÖZDEMİR ÖZMEN Ü.  
8th International electrochemistry meeting Antalya, Türkiye, 8 - 11 October 2009
- XIX. **Şimşir Bitkisinin Hava Kirliliğine Sebep Olan Eser Element Takibinde Bioizleyici Olarak Kullanılabilirliğinin İncelenmesi**  
DAŞDEMİR F., KARACAN M. S., MAMAŞ S.  
XI. ULUSAL SPEKTROSKOPİ KONGRESİ, Ankara, Turkey, 23 June 2009, pp.182
- XX. **ATMOSFERDEKİ BAZI ORGANİK KİRLİTİCİLERİN ETKİSİNİN HESAPLAMA YOLUYLA İNCELENMESİ**  
MUHAMMET S. M., KARACAN M. S.  
5. Ulusal Meslek Yüksekokulları Sempozyumu, Konya, Turkey, 27 May 2009, vol.2, pp.7-8
- XXI. **Taflan Ve Şimşir Yapraklarındaki Klorofil Miktarına Trafik Kaynaklı Hava Kirliliğinin Etkisinin İzlenmesi**  
KARACAN M. S.  
XVIII. Ulusal Kimya Kongresi, Kars, Turkey, 05 September 2004, pp.105
- XXII. **Feofitin a ve Klorofil a'nın yapısal ve elektronik özellikleri**  
KARACAN M. S.  
XVIII. Ulusal Kimya Kongresi, Kars, Turkey, 05 September 2004, pp.107
- XXIII. **Bakterioklorofil c'deki porfirin iskeletinin bazı elektronik özelliklerinin hesaplanması**  
KARACAN M. S.  
XVIII. Ulusal Kimya Kongresi, Kars, Turkey, 05 September 2004, pp.106
- XXIV. **Mangan Kompleksi Çıkarılmış Fotosistem II numunesinin sentetik dimerik mangan kompleksleriyle yeniden yapılandırılması**  
KARACAN M. S., SOMER G.  
XI. Kimya Kongresi, Van, Turkey, 16 June 1997, pp.157
- XXV. **Reconstitution of the Water-Oxidizing Complex in Manganese-Depleted Photosystem II Complexes by Using Synthetic Binuclear Manganese Complexes**  
KARACAN M. S., KARACAN N., Allahverdiev S., SOMER G., Klimov V.  
Proceedings of the X th International Photosynthesis Congress, Montpellier, France, 20 - 25 August 1995, pp.247-250
- XXVI. **Reconstitution of the water-oxidizing complex in Mn-depleted photosystem II complexes by using synthetic binuclear Mn-complexes**  
Allahverdiev S., Karacan M. S., Somer G., Karacan N., Khan E., Rane S., Padhye S., Klimov V., Renger G.  
Xth International Photosynthesis Congress, Montpellier, France, 20 - 25 August 1995, pp.247-250
- XXVII. **Bakır ve selenyum arasında oluşan intermetalik bileşiğin yapısının CV ile incelenmesi**

SOMER G., KARACAN M. S., ÇOLAK N., Taşbaş A.

X.Kimya ve Kimya Müh. Simpozyumu, Bursa, Turkey, 19 - 21 September 1994, pp.8

**XXVIII. Kandaki Selenyumun ASV ile tayini için yöntem geliştirilmesi**

KARACAN M. S., SOMER G., ÇETE S.

X.Kimya ve Kimya Müh. Simpozyumu, Bursa, Turkey, 19 September 1994, vol.38

**XXIX. Kanda bulunan selenyumun DPP ve ASV metotları ile tayini için yöntem geliştirilmesi**

SOMER G., KARACAN M. S.

IX.Kimya ve Kimya Müh. Simpozyumu, Trabzon, Turkey, 20 September 1993, pp.245

**XXX. Bakırlı ortamda selenit iyonunun CV tekniği ile incelenmesi**

SOMER G., KARACAN M. S.

VII. Kimya ve Kimya Mühendisliği Simpozyumu, Gazimagosa, KKTC, Gazimagusa, Cyprus (Kkctc), 15 May 1991

## Supported Projects

Karacan M. S., Karacan N., Özbek N., TÜBİTAK International Bilateral Joint Cooperation Program Project, Synthesis and screening of carbonic anhydrase and glutathione reductase inhibitors in plant, 2013 - 2015

Karacan M. S., Karacan N., Çelikkan H., Arslan H., TÜBİTAK International Bilateral Joint Cooperation Program Project, Molecular mechanism of action of novel chemical inhibitors of electron transport of photosystem II, 2009 - 2011

Karacan M. S., Project Supported by Higher Education Institutions, Eser elementlerin Voltametrik metotlarla dolaylı analizinde Bazı ligandların kullanılması, 2007 - 2009

KARACAN M. S., Project Supported by Higher Education Institutions, Eser Elementlerin Polarografik Analizi için Bazı Kompleksleştiricilerin Denenmesi, 2006 - 2009

KARACAN M. S., Project Supported by Higher Education Institutions, Şimşir Bitkisine Hava Kirlenici Eser Element Etkisinin ICP-OES ile İncelenmesi, 2005 - 2008

KARACAN M. S., Project Supported by Higher Education Institutions, Bazı bitkilere hava kirliliğinin etkisinin spektrofotometrik metotla inc, 2001 - 2004

## Metrics

Publication: 57

Citation (WoS): 259

Citation (Scopus): 270

H-Index (WoS): 10

H-Index (Scopus): 11

## Non Academic Experience

Gazi Üniversitesi, Öğretim Elemanı