

# Prof. ZEKERYA DURSUN

## Personal Information

**Office Phone:** [+90 232 311 2365](tel:+902323112365)

**Fax Phone:** [+90 232 388 8264](tel:+902323888264)

**Email:** [zekerya.dursun@ege.edu.tr](mailto:zekerya.dursun@ege.edu.tr)

**Web:** <https://avesis.ege.edu.tr/zekerya.dursun>

## Education Information

Doctorate, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (YI), Turkey 1993 - 1999

Post Graduate, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Analitik Kimya (YI) (Tezli), Turkey 1989 - 1993

## Foreign Languages

English, B2 Upper Intermediate

## Dissertations

Doctorate, Preparation and Investigation of Modified Electrodes and Application to the New Voltammetric Techniques, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (YI), 1999

Post Graduate, The Sensitive determination of ascorbic acid and routine separately and simultaneously by polarographic method, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Analitik Kimya (YI) (Tezli), 1993

## Research Areas

Chemistry, Analytical Chemistry, Adsorption Spectroscopy, Electromagnetic Methods, Food Analysis, Micro and Semimicro Methods, Spectroscopical Methods, Volumetry, Surface Analysis, Physical Chemistry, Electrochemistry, Conductive Polymers, Composites, nanocomposites, Fuel Cells, Natural Sciences

## Academic Titles / Tasks

Professor, Ege Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2011 - Continues

Associate Professor, Ege Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2005 - 2011

Assistant Professor, Ege Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2004 - 2005

Research Assistant, Ege Üniversitesi, Fen Fakültesi, Kimya Bölümü, 1993 - 2004

## Professional Experience

Vice Dean, Ege Üniversitesi, Fen Fakültesi, 2017 - Continues

University Executive Board Member, Ege Üniversitesi, Merkezi Araştırma Test Ve Analiz Laboratuvarı Uygulama Ve Araştırma Merkezi, 2013 - Continues

Deputy Head of Department, Ege Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2010 - 2013

## Courses

BİTİRME TEZİ (DİPLOMA ÇALIŞMASI-II) , Under Graduate, 2017 - 2018

GENEL KİMYA-I , Under Graduate, 2017 - 2018  
Genel Kimya I, Under Graduate, 2017 - 2018  
Spectroscopic Methods of Analysis , Post Graduate, 2017 - 2018  
ENSTRÜMENTAL ANALİZ , Under Graduate, 2017 - 2018  
Cyclic Voltammetry , Doctorate, 2017 - 2018  
KAYNAK TARAMA TEKN.(DİPLOMA ÇALIŞMASI) , Under Graduate, 2017 - 2018  
Nano Technology and Applications in Analytical Chemistry , Doctorate, 2017 - 2018

## Advising Theses

DURSUN Z., Preparation of polymer carbon nanotube based composite electrodes and application to determination of serotonin, Post Graduate, E.KOLUAÇIK(Student), 2018  
DURSUN Z., Improving the electrical performance of lead acid battery with electrodes containing different additives, Post Graduate, B.ENĞİNAR(Student), 2017  
DURSUN Z., Preparation and application of metal oxide and metal nano particles modified carbon based composite electrodes for simultaneous determination of adenine and guanine, Post Graduate, M.AKTÜRK(Student), 2016  
DURSUN Z., Preparation and characterization of polymer based nanocomposite electrodes and their application to determination of arsenic in real samples, Post Graduate, M.GÖKDUMAN(Student), 2016  
DURSUN Z., Preparation and characterization of graphene based nanocomposite electrodes and their electrochemical applications, Post Graduate, M.ŞATIR(Student), 2015  
DURSUN Z., Preparation and characterization of metal nano particles modified composite film electrodes; and their applications, Doctorate, Ç.CEYLAN(Student), 2015  
DURSUN Z., Preparation of metal nanoparticles modified polymer film electrodes; their characterizations and applications, Doctorate, Ş.ULUBAY(Student), 2014  
DURSUN Z., Preparation of metal nanoparticles and/or metal film modified electrodes their characterizations and electrochemical applications, Doctorate, A.ELÇİ(Student), 2013  
DURSUN Z., Preparation and characterization of metal nano particles modified polymer and multiwalled carbon nanotube film electrodes and their applications, Post Graduate, M.CEREN(Student), 2013  
DURSUN Z., Voltammetric determination of dicofol pesticides using metal nano particles modified polyaminophenol covered glassy carbon electrode, Post Graduate, K.KILIÇ(Student), 2011  
DURSUN Z., Preparation and characterization of metal nano particles modified carbon nanotube and polymer film electrodes and their analytical applications, Post Graduate, Ç.CEYAN(Student), 2010  
DURSUN Z., Preparation of metal nanoparticles incorporated multiwalled carbon nanotubes modified glassy carbon electrodes and its analytical applications, Post Graduate, B.GELMEZ(Student), 2009  
DURSUN Z., Preparation of metal nano-particles modified polypyrrole film electrodes and investigations of their electrocatalytic activity, Post Graduate, Ş.ULUBAY(Student), 2008

## Jury Memberships

Appointment Academic Staff, Profesörlük dosyasının değerlendirilmesi, Taibah University, February, 2018  
Appointment Academic Staff, Doçenlik dosyası değerlendirme, Balıkesir Üniversitesi, October, 2014

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

- **Highly sensitive determination of gallic acid on poly (L-Methionine)-carbon nanotube composite electrode**  
Koçak Ç. C. , Karabiberöğlü Ş., Dursun Z.  
Journal Of Electroanalytical Chemistry, vol.853, pp.113552-113559, 2019 (Journal Indexed in SCI)
- **An over-oxidized poly(Rutin) modified electrode for selective and sensitive determination of catechol and hydroquinone**  
KARABİBEROĞLU Ş., KOÇAK Ç. C. , DURSUN Z.  
Journal Of Electroanalytical Chemistry, vol.850, pp.113415, 2019 (Journal Indexed in SCI)

- **Recent pros and cons of nanomaterials in drug delivery systems**  
Anik U., TİMUR S., DURSUN Z.  
INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS, 2019 (Journal Indexed in SCI)
- **Development of Practical Electrochemical System for Phenytoin Detection**  
Dogan T., Anik U., DURSUN Z.  
CHEMISTRYSELECT, vol.4, pp.7704-7708, 2019 (Journal Indexed in SCI)
- **Electrochemical Determination of Dicofol at Nickel Nanowire Modified Poly(p-aminophenol) Film Electrode**  
Karabiberoglu Ş., Koçak Ç. C. , Dursun Z.  
ELECTROANALYSIS, vol.31, pp.1304-1310, 2019 (Journal Indexed in SCI)
- **Metal organic frameworks in electrochemical and optical sensing platforms: a review**  
ANIK U., Timur S., Dursun Z.  
MICROCHIMICA ACTA, vol.186, 2019 (Journal Indexed in SCI)
- **Electrochemical Determination of Serotonin Using Pre-treated Multi-walled Carbon Nanotube-polyaniline Composite Electrode**  
KOLUAÇIK E., KARABİBEROĞLU Ş., DURSUN Z.  
ELECTROANALYSIS, vol.30, pp.2977-2987, 2018 (Journal Indexed in SCI)
- **Simultaneous determination of theophylline and caffeine on novel [Tetra-(5-chloroquinolin-8-yloxy) phthalocyanato] manganese(III)-Carbon nanotubes composite electrode**  
Kocak C. C. , NAS A., KANTEKİN H., Dursun Z.  
TALANTA, vol.184, pp.452-460, 2018 (Journal Indexed in SCI)
- **Fabrication of nickel coated graphene oxide composite electrode for sensitive determination of Rutin**  
KARABİBEROĞLU Ş. U. , DURSUN Z.  
Journal of Electroanalytical Chemistry, vol.815, pp.76-85, 2018 (Journal Indexed in SCI)
- **Fabrication of Cu–CeO<sub>2</sub> Coated Multiwall Carbon Nanotube Composite Electrode for Simultaneous Determination of Guanine and Adenine**  
AKTÜRK M., KARABİBEROĞLU Ş., DURSUN Z.  
Electroanalysis, vol.30, pp.238-249, 2018 (Journal Indexed in SCI)
- **Metal nanoparticles/carbon nanotube modified electrodes for voltammetric determination of boron**  
Liv L., DURSUN Z., Nakiboglu N.  
TURKISH JOURNAL OF CHEMISTRY, vol.42, pp.1611-1622, 2018 (Journal Indexed in SCI)
- **Enhanced electrocatalytic activity of copper phthalocyanine/multiwalled carbon nanotube composite electrode via Pt nanoparticle modification for oxygen reduction**  
Koçak Ç. C. , DURSUN Z.  
Turkish Journal of Chemistry, vol.42, pp.623-638, 2018 (Journal Indexed in SCI)
- **Polymer Film Supported Bimetallic Au-Ag Catalysts for Electrocatalytic Oxidation of Ammonia Borane in Alkaline Media**  
Karabiberoglu S. U. , Kocak C. C. , Kocak S., Dursun Z.  
NANO-MICRO LETTERS, vol.8, pp.358-370, 2016 (Journal Indexed in SCI)
- **Highly catalytic activity of platinum-gold particles modified poly(p-aminophenol) electrode for oxygen reduction reaction**  
Karabiberoglu S. U. , Dursun Z.  
JOURNAL OF SOLID STATE ELECTROCHEMISTRY, vol.20, pp.2009-2018, 2016 (Journal Indexed in SCI)
- **Electroanalysis of caffeic acid in red wine and investigation of thermodynamic parameters using an Ag nanoparticles modified poly(thiophene) film glassy carbon electrode**  
KARABİBEROĞLU Ş. U. , AYAN E. M. , DURSUN Z.  
Electroanalysis, vol.25, pp.1933-1945, 2013 (Journal Indexed in SCI)
- **Electrochemistry of 2,6-diaminopurine on multiwall carbon nanotube modified glassy carbon electrode**  
AYAN E. M. , KARABİBEROĞLU S. U. , DURSUN Z.  
Turkish Journal of Chemistry, vol.37, pp.325-334, 2013 (Journal Indexed in SCI)

## Articles Published in Other Journals

- **Chemical Mapping of Graphene-Based Material with X-ray Photoelectron Spectroscopy (XPS) Using Principal Component Analysis (PCA)**  
Erdoğan A., Aktürk M., Dursun Z.  
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.12, pp.820-844, 2019 (National Refreed University Journal)

## Book & Book Chapters

- **Asit-bazlar**  
DURSUN Z.  
in: GENEL KİMYA III, CANAN NAKİBOĞLU, Editor, Anı Yayıncılık, Ankara, pp.139-162, 2018
- **Analitik Kimya İçin Önemli Kimyasal Tepkimeler**  
DURSUN Z.  
in: Genel Kimya 3 Analitik Kimya, CANAN NAKİBOĞLU, Editor, Anı Yayıncılık, Ankara, pp.49-64, 2016
- **ASİT BAZ TİTRASYONLARI**  
ERTAŞ F. N. , GÖKÇEL H. İ. , ARDA M., NAKİBOĞLU N., DURSUN Z.  
in: GENEL KİMYA 3 ANALİTİK KİMYA, NAKİBOĞLU C, Editor, Anı Yayıncılık, Ankara, pp.129-160, 2016
- **Kimyasal Tepkimeler**  
DURSUN Z.  
in: Genel Kimya I, Canan Nakiboğlu, Editor, Anı Yayıncılık, Ankara, pp.188-210, 2016
- **DENGE HESAPLAMALARI**  
ERTAŞ F. N. , GÖKÇEL H. İ. , ARDA M., NAKİBOĞLU N., DURSUN Z.  
in: GENEL KİMYA 3 ANALİTİK KİMYA, NAKİBOĞLU C, Editor, Anı Yayıncılık, Ankara, pp.77-98, 2016
- **Carbon Nanotube-conducting Polymer Composites As Electrode Material In Electroanalytical Applications**  
Ulubay Karabiberöglü Ş., Koçak Ç. C. , DURSUN Z.  
in: Carbon Nanotubes - Current Progress Of Their Polymer Composites, Mohamed Reda Berber And Inas Hazzaa Hafez, Editor, Intech, London, pp.393-418, 2016
- **Carbon Nanotube-Conducting Polymer Composites as Electrode Material in Electroanalytical Applications**  
KARABİBEROĞLU Ş., KOÇAK Ç. C. , DURSUN Z.  
in: Nanotechnology and Nanomaterials Carbon Nanotubes Current Progress of their Polymer Composites, Mohamed Reda Berber and Inas Hazzaa Hafez, Editor, InTech, pp.393-418, 2016

## Refereed Congress / Symposium Publications in Proceedings

- **A SENSITIVE ELECTROCHEMICAL SENSOR FOR DETERMINATION OF GALLIC ACID BASED ON CONDUCTING POLYMER/ MULTI-WALLED CARBON NANOTUBES MODIFIED ELECTRODE**  
KARABİBEROĞLU Ş., KOÇAK Ç. C. , DURSUN Z.  
XX. EuroAnalysis, 1 - 05 September 2019
- **PREPARATION OF Au NANOPARTICLES MODIFIED POLY(CRESOL RED) FILM GLASSY CARBON ELECTRODE FOR DIFFERENTIAL PULSE VOLTAMMETRIC ANALYSIS OF As(III)**  
KARABİBEROĞLU Ş., GÖKDUMAN M., DURSUN Z.  
8th Black Sea Basin Conference on Analytical Chemistry, 9 - 11 May 2018
- **ELECTROCATALYTIC ACTIVITY OF GRAPHENE OXIDE FILM SUPPORTED Au NANOPARTICLES FOR ELECTROCHEMICAL OXIDATION OF SODIUM BOROHYDRIDE**  
KARABİBEROĞLU Ş., ÇINAR M., DURSUN Z.  
International Eurasian Conference on Biological and Chemical Sciences, 26 - 27 April 2018
- **ELECTROCHEMICAL OXIDATION BEHAVIOUR OF DIMETHYLAMINE BORANE AS FUEL IN FUEL CELL APPLICATIONS ON Au NANOPARTICLES MODIFIED Cu-PHTHALOCYANINE/CARBON NANOTUBE**

## COMPOSITE ELECTRODE

KOÇAK Ç. C. , KARABİBEROĞLU Ş., DURSUN Z.

International Eurasian Conference on Biological and Chemical Sciences, 26 - 27 April 2018

- **AU-PT NANOPARTİKÜL İLE MODİFİYE EDİLMİŞ POLİ(P-AMİNOFENOL) ELEKTROTLARIN HAZIRLANMASI VE BORHİDRÜRÜN ELEKTROKATALİTİK YÜKSELTGENMETEPKİMESİNE UYGULANMASI**  
KARABİBEROĞLU Ş., DURSUN Z.  
VI. ULUSAL POLİMER BİLİM VE TEKNOLOJİ KONGRESİ, Turkey, 4 - 07 September 2016
- **PREPARATION AND CHARACTERIZATION OF METAL NANOPARTICLES-CONDUCTIVE POLYMER OR CARBON BASED COMPOSITE ELECTRODES AND THEIR ELECTROCHEMICAL APPLICATIONS**  
DURSUN Z., KARABİBEROĞLU Ş., KOÇAK Ç. C. , KARAKAŞ C. M.  
4th INTERNATIONAL POLYMERIC COMPOSITES SYMPOSIUM, EXHIBITION&BROKERAGE EVENT, 7 - 09 May 2015
- **Importance of composite electrodes in electroanalytical applications**  
DİLGİN Y., DURSUN Z., NIŞLİ G., GÖKÇEL H. İ. , YENİGÜL B.  
4th INTERNATIONAL POLYMERIC COMPOSITES SYMPOSIUM, EXHIBITION&BROKERAGE EVENT, 7 - 09 May 2015
- **ELECTROANALYSIS OF CAFFEIC ACID IN RED WINE WITH Ag NANOPARTICLES MODIFIED POLY(THIOPHENE) FILM GLASSY CARBON ELECTRODE**  
KARABİBEROĞLU Ş., MAVİOĞLU AYAN E., KARA M., KEŞAN Ö., DURSUN Z.  
6th AEGEAN ANALYTICAL CHEMISTRY DAYS, İzmir, Turkey, 16 September - 20 December 2012, vol.25, pp.1933-1945
- **AMİNOBORAN'IN ELEKTROKİMYASAL DAVRANIŞININ Ag NANOPARÇACIK MODİFİYE POLİMER ELEKTROTLARDA İNCELENMESİ**  
KARABİBEROĞLU Ş., DURSUN Z.  
1.EGE NANO TEKNOLOJİ GÜNLERİ, Turkey, 18 - 19 April 2013
- **Electroanalysis of caffeic in red wine with Ag nanoparticles modified poly Thiophene film glassy carbon electrode**  
KARABİBEROĞLU Ş., MAVİOĞLU AYAN E., DURSUN Z.  
8 th Aegean Analytical Chemistry Days, "AACD", 16 - 20 September 2012
- **ELECTROOXIDATION OF GLUCOSE AT Au@Ag CORE-SHELL METAL PARTICLES INCORPORATED MULTIWALL CARBON NANOTUBE MODIFIED GLASSY CARBON ELECTRODE**  
KARAKAŞ C. M. , KARABİBEROĞLU Ş., DURSUN Z.  
6th AEGEAN ANALYTICAL CHEMISTRY DAYS, 16 - 20 September 2012
- **ELECTROCATALYTICAL OXIDATION OF GLUCOSE AT Au@Cu CORE-SHELL METAL PARTICLES MODIFIED POLY (p-AMINOPHENOL) FILM GLASSY CARBON ELECTRODE**  
KARAKAŞ C. M. , KARABİBEROĞLU Ş., DURSUN Z.  
6th AEGEAN ANALYTICAL CHEMISTRY DAYS, 16 - 20 September 2012
- **NİKEL-POLİ (p-AMİNOFENOL) KOMPOZİT CAMIMSİ KARBON ELEKTROTTA DİKOFOL'ÜN TAYİNİ**  
KARABİBEROĞLU Ş., SAMANCIOĞLU H., KOLUAÇIK E., ÖZKARAMANLI S., DURSUN Z.  
VI. ULUSAL ANALİTİK KİMYA KONGRESİ, Turkey, 3 - 07 September 2012
- **ELECTROCHEMICAL OXIDATION OF AMMONIA BORANE ON METAL NANOPARTICLES MODIFIED POLYPYRROLE FILM GLASSY CARBON ELECTRODE**  
KARABİBEROĞLU Ş., DURSUN Z.  
9th INTERNATIONAL ELECTROCHEMISTRY MEETING IN TURKEY, 25 - 29 September 2011
- **Thermodynamics kinetics and voltammetric behaviour of 2 6 diaminopurine on multiwall carbon nanotubes modified glass carbon electrode**  
MAVİOĞLU AYAN E., KARABİBEROĞLU Ş., DURSUN Z.  
The 4 th International Student Conference on Advanced Science and Technology, "ICAST ", 25 - 26 May 2010
- **ELECTROCHEMICAL REDUCTION OF OXYGEN ON METAL NANOPARTICLES MODIFIED POLY(o-AMINOPHENOL) FILM ELECTRODES**  
KARABİBEROĞLU Ş., NOYAN N., ÇETİN T., DURSUN Z.  
THE 4th INTERNATIONAL STUDENT CONFERENCE ON ADVANCED SCIENCE AND TECHNOLOGY, 25 - 26

May 2010

- **SIMULTANEOUS DETERMINATION OF DOPAMINE AND URIC ACID USING A RUTHENIUM OXIDE HEXACYANOFERRATE MODIFIED POLYPYRROLE FILM GLASSY CARBON ELECTRODE**  
KARABİBEROĞLU Ş., ÖZBEY E., ERSEN Ö., DURSUN Z.  
8th INTERNATIONAL ELECTROCHEMISTRY MEETING, 8 - 11 October 2009
- **Voltammetric determination of 2,6-diaminopurine at multiwall carbon nanotube modified glassy carbon electrode**  
KARABİBEROĞLU Ş., MAVİOĞLU AYAN E., DURSUN Z.  
8 th International Electrochemistry Meeting in Turkey, 8 - 11 October 2009
- **ELECTROCATALYTICAL OXIDATION OF SODIUM BOROHYDRIDE AT Pt AD-LAYER MODIFIED Au(111) ELECTRODE**  
KARABİBEROĞLU Ş., GELMEZ B., DURSUN Z.  
8th INTERNATIONAL ELECTROCHEMISTRY MEETING, 8 - 11 October 2009
- **Electrochemical oxydation of sodium borohydride on adatomsmodified Au 111 and Au 100 single crystal electrodes**  
ULUBAY Ş., GELMEZ B., PELİT L., GÖKÇEL H. İ. , DURSUN Z.  
6th Aegean Analytical Chemistry Days, 2008, 9 - 12 October 2008
- **ELECTROCATALYTICAL OXIDATION OF ETHANOL ON AD-ATOMS MODIFIED Au(111) AND Au(100) SINGLE CRYSTAL ELECTRODES**  
ELÇİ BAŞARAN A., GELMEZ B., KARABİBEROĞLU Ş., DURSUN Z.  
6th AEGEAN ANALYTICAL CHEMISTRY DAYS, 9 - 12 October 2008

## Supported Projects

DURSUN Z., LEŞKERİ B. M. , Project Supported by Higher Education Institutions, GRAFEN TEMELLİ METAL OKSİT-YARI METAL OKSİT MODİFİYE KOMPOZİT ELEKTRONLARIN HAZIRLANMASI VE LİTYUM PİLLERİNDE KULLANILMASI, 2017 - 2019

DURSUN Z., ARDA M., AKSUNER N., İŞLEK COŞKUN Y., KARABİBEROĞLU Ş., BALCAN M., Project Supported by Higher Education Institutions, Gıda, Çevre ve Klinik Örneklerinde ağır metal, diğer metaller veya yarı metallerin eş zamanlı tayinleri, 2016 - 2019

DURSUN Z., KARABİBEROĞLU Ş., İLKTAÇ R., ERDOĞAN A., ESEN M., Project Supported by Higher Education Institutions, GRAFEN/GRAFEN OKSİT SENTEZİ MODİFİKASYONU, KATALİTİK ETKİNLİKLERİNİN İNCELENMESİ VE KİMYASAL-MORFOLOJİK KARAKTERİZASYONU, 2016 - 2019

DURSUN Z., ÖZDEMİR G., KILINÇ A., ÇELİKTAŞ C., Project Supported by Higher Education Institutions, FEN FAKÜLTESİ ATIKLARININ BİRİKTİRME-DEPOLAMA VE BERTARAFI, 2017 - 2018

DURSUN Z., Project Supported by Higher Education Institutions, POLİMER KARBON NANOTÜP TEMELLİ KOMPOZİT ELEKTROTLARIN HAZIRLANMASI VE SEROTONİN TAYİNİNE UYGULANMASI, 2014 - 2018

DURSUN Z., Project Supported by Higher Education Institutions, FARKLI KATKI MADDELERİ İÇEREN ELEKTROTLAR İLE KURŞUN ASİT AKÜLERİN ELEKTRİKSEL PERFORMANSLARININ GELİŞTİRİLMESİ, 2014 - 2017

DURSUN Z., Project Supported by Higher Education Institutions, ADENİN VE GUANİNİN EŞANLI TAYİNİ İÇİN METAL OKSİT VE METAL NANO PARÇACIK İLE MODİFİYE POLİMER-KARBON NANOTÜP TEMELLİ KOMPOZİT ELEKTROTLARIN HAZIRLANMASI VE UYGULAMASI, 2014 - 2017

DURSUN Z., Project Supported by Higher Education Institutions, GRAFEN TEMELLİ KOMPOZİT ELEKTROTLARIN HAZIRLANMASI KARAKTERİZASYONU VE ELEKTROKİMYASAL UYGULAMALARI, 2014 - 2016

DURSUN Z., Project Supported by Higher Education Institutions, POLİMER MODİFİYE EDİLMİŞ NANOKOMPOZİT ELEKTROTLARIN HAZIRLANMASI KARAKTERİZASYONU VE ARSENİK TAYİNİNE UYGULANMASI, 2013 - 2016

DURSUN Z., Project Supported by Higher Education Institutions, METAL NANO PARÇACIK MODİFİYE KOMPOZİT POLİMER FİLM ELEKTROTLARIN HAZIRLANMASI, KARAKTERİZASYONU VE UYGULAMALARI, 2012 - 2016

DURSUN Z., Project Supported by Higher Education Institutions, METAL/METAL OKSİT PARÇACIK MODİFİYE POLİMER KOMPOZİT ELEKTROTLARIN HAZIRLANMASI KARAKTERİZASYONU VE GLİKOZUN ELEKTROKATALİTİK YÜKSELTGENMESİNE UYGULANMASI, 2012 - 2014

DURSUN Z., Project Supported by Higher Education Institutions, AMİNO BORAN VE SODYUM BORHİDRÜR'ÜN METAL NANOPARÇACIK MODİFİYE POLİMER FİLM ELEKTROTLARDA ELEKTROKATALİTİK YÜKSELTGENMESİ VE YAKIT

PİLLERİNDE KULLANILABİLİRLİĞİ, 2012 - 2014

DURSUN Z., Project Supported by Higher Education Institutions, METAL NANO PARÇACIK MODİFİYE POLİMER FİLM ELEKTROTLARININ HAZIRLANMASI, KARAKTERİZASYONU VE UYGULAMALARI., 2010 - 2014

DURSUN Z., Project Supported by Higher Education Institutions, KİMİ METAL İYONLARININ MODİFİYE ELEKTROTLARLA ELEKTROKİMYASAL TAYİNİ, 2010 - 2014

DURSUN Z., Project Supported by Higher Education Institutions, BAZI PESİTİT TÜRLERİNİN VOLTAMMETRİK DAVRANIŞLARININ ARAŞTIRILMASI VE ELEKTROANALİTİK YÖNTEMLERLE TAYİNİ, 2010 - 2014

DURSUN Z., Project Supported by Higher Education Institutions, METAL NANO PARTİKÜL MODİFİYE ELEKTROTLARIN HAZIRLANMASI, KAREKTERİZASYONU VE ANALİTİK UYGULAMALARI., 2009 - 2014

KARABİBEROĞLU Ş., DURSUN Z., TUBITAK Project, Amino Boran ve Sodyum Borhidrür'ün Metal Nanoparçacık Modifiye Polimer Film Elektrotlarda Elektrokatalitik Yükseltgenmesi ve Yakıt Pillerinde Kullanılabilirliği., 2011 - 2013

DURSUN Z., Project Supported by Higher Education Institutions, NANOPARTİKÜL MODİFİYE TEK DUVARLI VE ÇOK DUVARLI KARBON NANOTÜP KAPLI ELEKTROTLARIN HAZIRLANMASI, KAREKTERİZASYONU VE ANALİTİK UYGULAMALARI, 2009 - 2011

DURSUN Z., TUBITAK Project, Modifiye Elektrotlarla NADH'nin Elektrokatalitik ve Fotoelektrokatalitik Yükseltgenmesi., 2008 - 2010

DURSUN Z., Project Supported by Higher Education Institutions, METAL NANO PARTİKÜL DOPANMIŞ KARBON TEMELLI MODİFİYE ELEKTROTLARIN HAZIRLANMASI VE ANALİTİK UYGULAMALARI, 2008 - 2009

DURSUN Z., Project Supported by Higher Education Institutions, YAKIT PİLİ KULLANIMINA YÖNELİK ELEKTROKATALİTİK ELEKTROT YÜZEYLERİNİN OLUŞTURULMASI VE DÖNÜŞÜM VERİMİ YÜKSEK YAKITLARIN SAPTANMASI, 2006 - 2009

KARABİBEROĞLU Ş., PELİT L., DURSUN Z., TUBITAK Project, Yakıt Pili Kullanımına Yönelik Elektrokatalitik Elektrot Yüzeylerinin Oluşturulması ve Dönüşüm Verimi Yüksek Yakıtların Saptanması., 2005 - 2009

DURSUN Z., Project Supported by Higher Education Institutions, KENDİLİĞİNDEN DÜZENLİ VE SIRALI OLUŞAN TEK KATMANLA YÜZEYLERİN HAZIRLANMASI ELEKTROKİMYASAL ÖZ.İNCELENMESİ, 2001 - 2007

DURSUN Z., Project Supported by Higher Education Institutions, DEĞİŞİK AMAÇLARA YÖNELİK ELEKTRODLARIN HAZIRLANIP VOLTAMETREDE YENİ ALANLARA UYGULANMASI, 1995 - 1999

DURSUN Z., Project Supported by Higher Education Institutions, F.I.A. YÖNTEMİ İLE ELEKTROMETRİK YASAL VE FARMASÖTİK ÖNEMİ OLAN BAZI MADDELERİN AYRI AYRI VE BİRBİRLERİ YANINDA HIZLI VE DUYAR TAYİNİ, 1991 - 1994

## Invited Congress and Symposium Activities

Preparation of Au nanoparticles modified poly(cresol red) film glassy carbon electrode for differential pulse voltammetric analysis of As(III), Attendee, İstanbul, Turkey, 2018

Electrocatalytic Activity of Graphene Oxide film Supported Au Nanoparticles for Electrochemical Oxidation of Sodium, Attendee, Turkey, 2018

Electrochemical Oxidation Behaviour of Dimethylamine Borane as Fuel in Fuel Cell Applications on Au nanoparticles modified CuPhthalocyanine/Carbon Nanotube Composite Electrode, Attendee, Ankara, Turkey, 2018

Nickel Nanoparticle-Decorated Graphene Oxide as an Electrode Material for Electrochemical Determination of Rutin, Attendee, Aydın, Turkey, 2017

.; Surface Chemometrics of Graphene-Based Materials with Principal Component Analysis (PCA) Using X-Ray Photoelectron Spectroscopy, Attendee, Turkey, 2016

Au-Pt Nanopartikül ile Modifiye Edilmiş poli(p-aminofenol) Elektrotların Hazırlanması ve Borhidrürün Elektrokatalitik Yükseltgenme Tepkimesine Uygulanması, Attendee, Ankara, Turkey, 2016

10th Aegean Analytical Chemistry Days (AACD2016), Invited Speaker, Çanakkale, Turkey, 2016

ENHANCEMENT OF CATALYTIC ACTIVITY ON CARBON BASED ELECTRODES VIA BIMETALLIC MODIFICATION FOR ELECTROCHEMICAL APPLICATIONS, Attendee, Turkey, 2016

Anodic Stripping Voltammetric Determination Of Trace Amounts Of Sb(III) Using Overoxidized Poly(Phenolred) Film Modified Glassy Carbon Electrode, Attendee, Çanakkale, Turkey, 2016

Metal Oksit-Metal Nanoparçacık Modifiye Karbon Nanotüp Temelli Elektrotların Hazırlanması, Adenin Ve Guaninin Eş Zamanlı Tayinine Uygulanması, Attendee, Isparta, Turkey, 2016

Preparation And Characterization Of Metal Nanoparticles-Conductive Polymer Or Carbon Based Composite Electrodes

And Their Electrochemical Applications:, Attendee, Turkey, 2015

Importance of composite electrodes in electroanalytical applications;, Attendee, Turkey, 2015

Preparation of metal nanoparticles-polyaniline composite electrodes and their electrochemical applications, Attendee, Turkey, 2015

4 th INTERNATIONAL POLYMERIC COMPOSITES SYMPOSIUM, EXHIBITION and BROKERAGE EVENT, Invited Speaker, İzmir, Turkey, 2015

Caffeine oxidation at poly(pyrrole-aminophenol) copolymer film modified glassy carbon electrode, Attendee, Greece, 2014

Investigation of oxygen reduction on nickel-copper modified (3,4-ethylenedioxythiophene)(PEDOT) film glassy carbon electrode,, Attendee, Trabzon, Turkey, 2013

Electrochemical oxidation of ammonia borane on Au-Ag nanoparticles Modified Poly (p-aminophenol) film Glassy Carbon Electrode, Attendee, United States Of America, 2013

Comparison of electrocatalytic activity of poly(p-aminophenol) Film Supported Au-M (M= Pt, Cu and Ag) bimetallic nanoparticles for oxidation of sodium borohydride, Attendee, United States Of America, 2013

Electrocatalytic Oxidation of Glucose at Au@Cu Core-Shell Metal Particles Modified poly(p-aminophenol) Film Glassy Carbon Electrode in Alkaline Solution, Attendee, İzmir, Turkey, 2012

Electroanalysis of Caffeic Acid in Red Wine with Ag Nanoparticles Modified Poly(Thiophene) Film Glassy Carbon Electrode, Attendee, Turkey, 2012

Electrooxidation of Glucose at Au@Ag Core-Shell Metal Particles Incorporated Multiwalled Carbon Nanotube Modified Glassy Carbon Electrode, Attendee, İzmir, Turkey, 2012

Electrochemical Behavior Of Vanillin at Gold Nanoparticles Doped Multiwalled Carbon Nanotube Modified Glassy Carbon Electrode, Attendee, İzmir, Turkey, 2011

Electrochemical Formation of Mixed-Valent Molybdenum(VI, V) Oxide at Gce and ITO Electrodes in Chloroacetic Acid Medium, Attendee, Turkey, 2011

Voltammetric behaviour of dicofol at poly(p-aminophenol) film modified glassy carbon electrode, Attendee, İzmir, Turkey, 2011

Electrochemical Behavior Of Vanillin at Gold Nanoparticles Doped Multiwalled Carbon Nanotube Modified Glassy Carbon Electrode, Attendee, Turkey, 2011

Electrochemical Oxidation of Ammonia Borane on Metal Nanoparticles Modified Polymer Film-Glassy Carbon Electrode,, Attendee, İzmir, Turkey, 2011

Electrocatalytic Oxidation of Ethanol on Palladium, Gold and Nickel Nanoparticles Modified Multi-Walled Carbon Nanotube Covered Glassy Carbon Electrode in Alkaline Media, Attendee, Turkey, 2011

Photoelectrocatalysis of NADH at a Poly-neutral red/glassy carbon electrode, Attendee, Turkey, 2010

Voltammetric determination of ascorbic acid on a rutheniumoxide hexacyanoferrate modified poly(eriochrome black-t) /glassy carbon electrode, Attendee, Turkey, 2010

Electrochemical Reduction of Oxygen on Metal Nanoparticles Modified poly(o-aminophenol) Film Electrode, Attendee, Turkey, 2010

Electrochemical Behaviour of Folic Acid at Metal Nanoparticles Decorated Multiwall Carbon Nanotube Modified Glassy Carbon Electrode, Attendee, Turkey, 2010

Preparation of Oxidized Poly 4-Aminophenol Modified Glassy Carbon Electrode and Its Analytical Application, Attendee, Turkey, 2010

The Fourth International Student Conference on Advanced Science and Technology, ICAST, Invited Speaker, İzmir, Turkey, 2010

Thermodynamics, kinetics, and voltammetric behaviour of 2,6-diaminopurine on multiwall carbon nanotubes modified glassy carbon electrode, Attendee, Turkey, 2010

Elektrocatalytic oxidation of sodium borohydride at Pt ad-layer modified Au(111) electrode, Attendee, Antalya, Turkey, 2009

Electroreduction of oxygen on Copper-gold nanoparticles doped multiwalled carbon nanotube modified glassy carbon electrode, Attendee, Turkey, 2009

Electrocatalytic oxidation of ethanol Pt ad-layer modified Au(111) electrode, Attendee, Turkey, 2009

Voltammetric determination of 2,6- diaminopurine at multiwall carbon nanotube modified glassy carbon electrode, Attendee, Turkey, 2009

Simultaneous Determination of dopamine and uric acid using a ruthenium oxide hexacyanoferrate modified polypyrrole



film glassy carbon electrode, Attendee, Turkey, 2009

The effect of lighth on the electrocatalytic oxidation of NADH using a poly brilliant cresly blue modified glassy carbon electrode, Attendee, Turkey, 2009

Electrocatalytic reduction of oxygen on ad-Atoms modified Au(111) electrodes in an alkaline solution, Attendee, Denizli, Turkey, 2008

Oxygen reduction at Pt modified Au(111) single crystal electrodes, Attendee, Turkey, 2008

Electrochemical oxydation of sodium borohydride on ad-atoms modified Au(111) and Au(100) single crystal electrodes, Attendee, Turkey, 2008

Electrocatalytic oxidation of Ethanol on ad-atoms modified Au(111) and Au(100) single crystal electrodes, Attendee, Turkey, 2008

Preperation of metal nano-particles modified polypyrrole film electrodes and its analytical applications, Attendee, Turkey, 2008

Electro-oxidation of methanol on Pd Ad-atoms modified Au(111) ve Au(100) single crystal electrodes in alkaline medium, Attendee, Denizli, Turkey, 2008

Preperation of metal nano-particles doped carbon nanotube modified electrodes and its analytical applications, Attendee, Turkey, 2008

Electropolymerization of hematoxylin for electrocatalytic oxidation of NADH, Attendee, Turkey, 2008

Electro-oxydation of methanol by replacement of metal ad-atoms of Pt with Cu at Au(111) and Au(100) single crystal electrodes by using cyclic voltammetry, Attendee, Turkey, 2008

Metanol'ün tek kristal Au(111) ve Au(100) elektrotlarda farklı NaOH derişimlerindeki elektrokimyasal davranışlarının incelenmesi, Attendee, Malatya, Turkey, 2008

Oksijenin elektrokimyasal davranışının 2-merkaptopirimidin ile modifiye altın disk elektrotta incelenmesi, Attendee, Turkey, 2007

Pd Ad-metal ile modifiye Au(100) ve Au(111) elektrotların D-Glikozun alkali ortamda elektrokatalitik yükseltgenmesine uygulanması, Attendee, Aydın, Turkey, 2005

Ag ve Cu Ad- metaller ile modifiye Au(111) elektrotta askorbik asit ve dopaminin birarada voltammetrik davranışlarının incelenmesi, Attendee, Turkey, 2005

Catalytic effect of ad-atoms modified Au(100) on d-glucose oxidation in alkaline solution, Attendee, Turkey, 2004

Electrocatalytic oxidation of d-glucose using Cd ad-atoms modified Au(111) electrode in alkaline solution, Attendee, Aydın, Turkey, 2004

Effect of metal Ad-layer on Au(111)Electrodes on Electrocatalytic reduction of Oxygen in Alkaline solution, Attendee, Yokohama, Japan, 2004

Catalytic Electrode for Oxidation of Glucose, Attendee, Kumamoto, Japan, 2003

Electrocatalytic Oxidation of Sugars on Single Crsytal Gold Electrodes Modified With Ad-metals in Alkaline Solutions, Attendee, Oita, Japan, 2003

Selective monitoring of Antimony Using a Copper(II)hexacyanoferrate Immobilized Silica Modified Carbon Paste Electrode, Attendee, Mitilini, Greece, 2002

Photoelectrochemical Investigation of Methylene Blue Immobilized on Zirconium Phosphate composite Carbone Paste Electrode in Flow Injection System, Electrode, Attendee, Mitilini, Greece, 2002

Askorbik asitin Akış Enjeksiyon Sisteminde Fotoelektrokimyasal Tayini, Attendee, İstanbul, Turkey, 2001

NADH-Metilen Mavisi Tepkimesinin Mika ileModifiye CPE Kullamlarak Voltammetrik İncelenmesi, Attendee, Mersin, Turkey, 2001

Electrochemical Studies of Self-Assembled Monolayers of 3-Mercaptopridine on Single Crystal Electrode., Attendee, Balıkesir, Turkey, 2000

Voltammetrik Investigation of Modified Carbon Paste Electrode with Methylene Blue on Muscovite, Attendee, Balıkesir, Turkey, 2000

The Impotence of Chemically Modified Electrodes in Voltammetry and Flow System.” 2 Aegean Analytical Chemistry Days, Attendee, Balıkesir, Turkey, 2000

Bakır veya Bakır ile Modifiye Karbon Pasta Elektrotların Sistein Varlığında Voltammetrik Davranışlarının İncelenmesi, Attendee, Samsun, Turkey, 1999

Periyodatın Bakır ile Modifiye Karbon Pasta Elektrot ile Voltammetrik ve Amperometrik İncelenmesi, Attendee, Bolu, Turkey, 1999

Bakır ile Modifiye Edilmiş Karbon Pasta Elektrodun Voltammetrik Davranışının Askorbik asit varlığında İncelenmesi,

Attendee, Edirne, Turkey, 1998

Yarı iletken elektrot hazırlanması ve İncelenmesi, Attendee, Edirne, Turkey, 1998

Cu ile Modifiye CPE'un Ascorbik asit Varlığında Voltametrik Davranışının İncelenmesi, Attendee, Turkey, 1997

Steady-State and Flow Injection Voltammetric Determination of Cystein and Its Applications, Attendee, Cordoba, Spain, 1995

Static and Flow Injection Amperometric Methods of determining Periodate and Indirect Determination of L-Ascorbic Acid at a Glassy Carbon Electrode, Attendee, İstanbul, Turkey, 1995

Askorbik asit ve Rutin'in Birarada, Doğrudan ve Dolaylı Tayini., Attendee, Bursa, Turkey, 1994

Rutin'in Polarografik Yöntemle Doğrudan ve Dolaylı tayininin İncelenmesi, Attendee, Trabzon, Turkey, 1993

skorbik Asit-Periyodat Reaksiyonunun İncelenmesi ve Analize Uygulanması, Attendee, İstanbul, Turkey, 1992

mir Çevresi Çocuklarında Süt Dişlerindeki Kurşun Düzeyleri, Attendee, Gazimagusa, Cyprus (Kkct), 1991

## Citations

Total Citations (WOS):705

h-index (WOS):15

## Awards

DURSUN Z., Electrochemical Oxidation of Sodium Borohydride on Metal Nanoparticles Modified Polypyrrole Film Glassy Carbon Electrode, 9th International Electrochemistry Meeting in Turkey September 25-29,2011, Çeşme, İzmir, September 2011

DURSUN Z., En iyi poster yarışması III.lük ödülü, 21. Ulusal Kimya Kongresi Organizasyon komitesi, June 2007

DURSUN Z., Electrocatalytic Oxidation of Sugars at Ag Ad-layer Modified Au(100) Electrodes in Alkaline Solutions,, Japan Electrochemical Society, July 2004