

Prof. ERGUN EKİNCİ

Personal Information

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Education Information

Undergraduate, Ataturk University, Eđt. Fak., Kimya, Turkey 1984 - 1998

Doctorate, Inonu University, Fen Bil. Ens., Kimya, Turkey 1991 - 1995

Postgraduate, Inonu University, Fen Bil..Ens., Kimya, Turkey 1988 - 1990

Dissertations

Doctorate, Elektrokimyasal Sensör Materyali Olarak Polimerlerin Sentezi ve Fizikokimyasal Özelliklerinin İncelenmesi, Inonu University, Fen Bilimleri Enstitüsü, Kimya (Dr), 1995

Postgraduate, Bazı Poliaramitlerin Sentezi ve Fizikokimyasal Özelliklerinin İncelenmesi, Inonu University, Fen Bil. Ens., Kimya, 1990

Research Areas

Chemistry, Physical Chemistry, Polymeric Materials, Natural Sciences

Academic Titles / Tasks

Professor, Inonu University, Fen-Edebiyat Fakóltesi, Kimya Bölümü, 1989 - Continues

Academic and Administrative Experience

Inonu University, Yeşilyurt Meslek Yüksekokulu, 2012 - 2016

Inonu University, Yeşilyurt Meslek Yüksekokulu, Kimya, 2012 - 2016

Inonu University, Fen Edebiyat Fakóltesi, Kimya, 2009 - 2012

Inonu University, Fen Edebiyat Fakóltesi, Kimya, 2009 - 2012

Inonu University, Fen Edebiyat Fakóltesi, Kimya, 2006 - 2009

Courses

Mesleki İngilizce, Undergraduate, 2022-2023

Genel Kimya, Associate Degree, 2013-2014

İleri Polimer Kimyası, Undergraduate Double Major, 2013-2014

Fizikokimya Lab., Undergraduate, 2013-2014

Elektropolimerik sensörler, Undergraduate Minor, 2013-2014

Termodinamik, Associate Degree, 2013-2014
Optik ve Kimyasal Sensörler, Undergraduate Minor, 2012-2013
Voltametrik Teknikler, Undergraduate Minor, 2012-2013
Genel Kimya, Associate Degree, 2012-2013
Fizikokimya Lab., Undergraduate, 2012-2013
Fizikokimya III, Undergraduate, 2012-2013
Polimerik Kompozit Malzemeler, Undergraduate Minor, 2012-2013
Termodinamik, Associate Degree, 2012-2013
Elektropolimerleşme ve Elektropolimerler, Undergraduate Double Major, 2012-2013
Fizikokimya Lab, Undergraduate, 2011-2012
Fizikokimya III, Undergraduate, 2011-2012
Fizikokimya III, Undergraduate, 2010-2011
Fizikokimya Lab, Undergraduate, 2010-2011
Fizikokimya Lab, Undergraduate, 2009-2010
Fizikokimya III, Undergraduate, 2009-2010
Fizikokimya III, Undergraduate, 2008-2009
Fizikokimya Lab, Undergraduate, 2008-2009
Fizikokimya Lab, Undergraduate, 2007-2008
Fizikokimya III, Undergraduate, 2007-2008
Fizikokimya III, Undergraduate, 2006-2007
Fizikokimya Lab, Undergraduate, 2006-2007
Fizikokimya Lab, Undergraduate, 2005-2006

Advising Theses

EKİNCİ E., Bazı iletken polimerik nanokompozit modifiye elektrotların hazırlanması ve DNA baz tayininde kullanılabilirliğinin incelenmesi, Doctorate, S.KURŞUN(Student), 2016
EKİNCİ E., Bazı monomer karışımlarının elektropolimerizasyonu ve hazırlanan polimerlerin elektrokimyasal davranışlarının incelenmesi, Postgraduate, O.AYGÜN(Student), 2011
EKİNCİ E., Bazı fenol türevli elektropolimerik filmlerin ürik asit seçiciliğinin incelenmesi, Postgraduate, S.KURŞUN(Student), 2010
EKİNCİ E., Sensör amaçlı sol-jel kaplamaların hazırlanması ve özelliklerinin incelenmesi, Doctorate, N.DEMİRKIRAN(Student), 2009
EKİNCİ E., Enzim immobilizasyon ortamı olarak poliimid modifiye elektrotların hazırlanması, karakterizasyonu ve optimizasyonu, Doctorate, A.PAŞAHAN(Student), 2008
EKİNCİ E., Kolesterol biyosensörü tasarımında bazı polimerik materyallerin enzim immobilizasyon ortamı olarak kullanımı, Doctorate, F.BİLGE(Student), 2007
EKİNCİ E., Dopamin seçici polimerik materyallerin hazırlanması ve polimerizasyon parametrelerinin optimizasyonu, Postgraduate, A.Paşahan(Student), 2002
EKİNCİ E., Sulu çözeltilerde o-toluidinin elektrokimyasal polimerizasyon parametrelerinin incelenmesi, Postgraduate, M.Asiltürk(Student), 2001
EKİNCİ E., Çift katmanlı polimerik materyallerin sentezi, karakterizasyonu ve özelliklerinin incelenmesi, Postgraduate, F.BİLGE(Student), 2001

Published journal articles indexed by SCI, SSCI, and AHCI

I. DNA base sensor characteristics of polymeric-nanocomposite electrode

AYAZLI S. K., EKİNCİ B. Z., EKİNCİ E.

INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS, vol.65, no.2, pp.105-

110, 2016 (SCI-Expanded)

- II. **IMMOBILIZATION OF GLUCOSE OXIDASE IN SILICA SOL-GEL FILM FOR APPLICATION TO BIOSENSOR AND AMPEROMETRIC DETERMINATION OF GLUCOSE**
DEMİRKIRAN N., EKİNCİ E., ASİLTÜRK M.
JOURNAL OF THE CHILEAN CHEMICAL SOCIETY, vol.57, no.4, pp.1336-1339, 2012 (SCI-Expanded)
- III. **Synthesis, characterization of pyridine-based polyimides and their use as glucose oxidase immobilization media**
PAŞAHAN A., KÖYTEPE S., EKİNCİ E.
E-POLYMERS, 2012 (SCI-Expanded)
- IV. **Immobilization of Glucose Oxidase in GLYMO/MTEOS Sol-Gel Film for Glucose Biosensor Application**
DEMİRKIRAN N., EKİNCİ E.
ACTA CHIMICA SLOVENICA, vol.59, no.2, pp.302-306, 2012 (SCI-Expanded)
- V. **Electropolymerized Polytyramine Film for the Selective Determination of Uric Acid**
KURSUN S., PAŞAHAN A., EKİNCİ B. Z., EKİNCİ E.
POLYMER-PLASTICS TECHNOLOGY AND ENGINEERING, vol.51, no.12, pp.1209-1212, 2012 (SCI-Expanded)
- VI. **Synthesis, characterization of naphthalene-based polyimides, and their use as immobilized enzyme membrane**
PASAHAN A., KÖYTEPE S., EKİNCİ E.
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.22, no.12, pp.1940-1947, 2011 (SCI-Expanded)
- VII. **Preparation and Properties of Amperometric Uric Acid Sensor Based on Poly(2-aminophenol)**
KURSUN S., EKİNCİ B. Z., PASAHAN A., EKİNCİ E.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.120, no.1, pp.406-410, 2011 (SCI-Expanded)
- VIII. **Synthesis, characterization of poly(4, 4'-diaminophenylethanepyromellitimide) and its use as immobilized enzyme polyimide membrane**
PASAHAN A., KÖYTEPE S., EKİNCİ E.
HIGH PERFORMANCE POLYMERS, vol.23, no.1, pp.59-65, 2011 (SCI-Expanded)
- IX. **Synthesis, Characterization of a New Organosoluble Polyimide and Its Application in Development of Glucose Biosensor**
PASAHAN A., KÖYTEPE S., EKİNCİ E.
POLYMER-PLASTICS TECHNOLOGY AND ENGINEERING, vol.50, no.12, pp.1239-1246, 2011 (SCI-Expanded)
- X. **Poly[tris((p-aminophenoxy)phosphineoxide)-3,3',4,4'-benzophenonetetracarboxylicdiimide] as a New Polymeric Membrane for the Fabrication of an Amperometric Glucose Sensor**
PASAHAN A., KÖYTEPE S., EKİNCİ E.
INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS, vol.60, no.13, pp.1079-1090, 2011 (SCI-Expanded)
- XI. **Poly (3-aminophenol) Film as a Uric Acid-Selective Electrode**
KURSUN S., PASAHAN A., EKİNCİ B. Z., EKİNCİ E.
INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS, vol.60, no.6, pp.365-373, 2011 (SCI-Expanded)
- XII. **Synthesis, characterization of phosphine oxide-containing polyimides and their use as selective membrane for dopamine**
Koytepe S., PASAHAN A., EKİNCİ E., Alici B., SEÇKİN T.
JOURNAL OF POLYMER RESEARCH, vol.15, no.3, pp.249-257, 2008 (SCI-Expanded)
- XIII. **Preparation and characterization of an aromatic polyimide and its use as a selective membrane for H₂O₂**
Ekinci E., Koytepe S., PASAHAN A., Seckin T.
TURKISH JOURNAL OF CHEMISTRY, vol.30, no.3, pp.277-285, 2006 (SCI-Expanded)
- XIV. **Preparation, characterization and H₂O₂ selectivity of hyperbranched polyimides, containing triazine**
Ekinci E., Emre F. B., Koytepe S., Seckin T.
JOURNAL OF POLYMER RESEARCH, vol.12, no.3, pp.205-210, 2005 (SCI-Expanded)
- XV. **Synthesis, characterization and H₂O₂-sensing properties of pyrimidine-based hyperbranched polyimides**
KOYTEPE S., PASAHAN A., EKİNCİ E., SECKIN T.

- EUROPEAN POLYMER JOURNAL, vol.41, no.1, pp.121-127, 2005 (SCI-Expanded)
- XVI. **Poly (4-methoxyphenol) film as a galactose-sensing material**
Ekinci E., PASAHAN A.
EUROPEAN POLYMER JOURNAL, vol.40, no.8, pp.1605-1608, 2004 (SCI-Expanded)
- XVII. **Synthesis, characterization and dopamine selectivity of 1,4-bis(3-aminopropyl)piperazine - Containing polyimide**
PASAHAN A., KOYTEPE S., Ekinci E., SECKIN T.
POLYMER BULLETIN, vol.51, pp.351-358, 2004 (SCI-Expanded)
- XVIII. **Preparation, optimization, and voltammetric characteristics of poly(o-phenylenediamine) film as a dopamine-selective polymeric membrane**
Ekinci E., ERDOGDU G., KARAGOZLER A.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.79, no.2, pp.327-332, 2001 (SCI-Expanded)
- XIX. **Investigation of polymerization parameters affecting dopamine selectivity of a polymeric membrane**
Ekinci E., ERDOGDU G., KARAGOZLER A.
POLYMER BULLETIN, vol.44, pp.547-553, 2000 (SCI-Expanded)
- XX. **Preparation and electrochemical behavior of dopamine - selective polymeric membrane**
ERDOGDU G., Ekinci E., KARAGOZLER A.
POLYMER BULLETIN, vol.44, no.2, pp.195-201, 2000 (SCI-Expanded)
- XXI. **Preparation and sensor properties of poly (o-toluidine) film**
Ekinci E.
POLYMER BULLETIN, vol.42, no.6, pp.693-699, 1999 (SCI-Expanded)
- XXII. **Electrochemical preparation of poly(o-toluidine) film and its application as a permselective membrane**
OZDEN M., Ekinci E., KARAGOZLER E.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.71, no.13, pp.2141-2146, 1999 (SCI-Expanded)
- XXIII. **Electrochemical preparation and sensor properties of conducting polyaniline films**
OZDEN M., Ekinci E., KARAGOZLER A.
TURKISH JOURNAL OF CHEMISTRY, vol.23, no.1, pp.89-98, 1999 (SCI-Expanded)
- XXIV. **Preparation and properties of polybenzidine film-coated electrode as an H₂O₂ selective polymeric material**
Ekinci E., OZDEN M., TURKDEMIR M., KARAGOZLER A.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.70, no.11, pp.2227-2234, 1998 (SCI-Expanded)
- XXV. **Synthesis and optimization of permselective polymer (polyindoline) film**
OZDEN M., Ekinci E., KARAGOZLER A.
JOURNAL OF SOLID STATE ELECTROCHEMISTRY, vol.2, no.6, pp.427-431, 1998 (SCI-Expanded)
- XXVI. **Electrochemical synthesis and optimization of poly(4-methoxyphenol) film as a sensor material**
OZDEN M., Ekinci E., KARAGOZLER A.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.68, no.12, pp.1941-1947, 1998 (SCI-Expanded)
- XXVII. **Electrochemical poly(1,3-phenylenediamine) synthesis as enzyme immobilization media**
Ekinci E., OGUNC S., KARAGOZLER A.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.68, no.1, pp.145-152, 1998 (SCI-Expanded)
- XXVIII. **The preparation and sensor application of poly(p-aminophenol)**
Ekinci E., Karagozler A., Karagozler A.
ELECTROANALYSIS, vol.8, no.6, pp.571-574, 1996 (SCI-Expanded)
- XXIX. **PREPARATION AND OPTIMIZATION OF CONDUCTING POLYMER (POLYPYRROLE) AS A GLUCOSE SENSOR**
EKINCI E., OZDEN M., KARAGOZLER A., TURKDEMIR H., KARAGOZLER A.
TURKISH JOURNAL OF CHEMISTRY, vol.19, no.3, pp.170-178, 1995 (SCI-Expanded)

Articles Published in Other Journals

- I. **Sol-jel Kaplama Çözeltisi Bileşiminin Hidrojen Peroksit Yanıtlarına Etkisi**
DEMİRKIRAN N., EKİNCİ E.
KARAEMLAS FEN VE MÜHENDİSLİK DERGİSİ, vol.2, no.2, pp.18-23, 2012 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **TGA Analysis of Sol-Gel Films Containing GLYMO, TEOS and MTEOS for the Electrode Surface Modification**
DEMİRKIRAN N., ASILTURK M., EKİNCİ E.
International Conference on Advances and Innovations in Engineering (ICAIE), Elazığ, Turkey, 8 - 12 May 2017, pp.82-84
- II. **Effect of GLYMO/TEOS/MTEOS Sol-Gel Film Thickness on the Responses of Glucose Biosensor**
DEMİRKIRAN N., EKİNCİ E.
International Conference on Advances and Innovations in Engineering (ICAIE), Elazığ, Turkey, 8 - 12 May 2017, pp.77-81
- III. **Effect of GLYMO/TEOS/MTEOS Sol-Gel Film Thickness on the Responses of Glucose Biosensor**
DEMİRKIRAN N., EKİNCİ E.
International Conference on Advances and Innovations in Engineering (ICAIE), Elazığ, Turkey, 8 - 12 May 2017, pp.77-81
- IV. **TGA Analysis of Sol-Gel Films Containing GLYMO, TEOS and MTEOS for the Electrode Surface Modification**
DEMİRKIRAN N., ASILTURK M., EKİNCİ E.
International Conference on Advances and Innovations in Engineering (ICAIE), Elazığ, Turkey, 8 - 12 May 2017, pp.82-84
- V. **Naftalen Temelli Poliimidlerin Sentezi ve Karakterizasyonu**
PAŞAHAN A., KÖYTEPE S., EKİNCİ E.
11.Ulusal Kimya Kongresi ,Eskişehir, Türkiye, Turkey, 2 - 05 September 2014
- VI. **Development of Electrochemical Glucose Biosensor for Biomedical and Industrial Analyses**
PAŞAHAN A., KÖYTEPE S., EKİNCİ E.
4th Nanoscience and Nanotechnology Conference(NanoNG14), Uluslararası Konferansı, Elazığ, Turkey, 20 - 22 August 2014
- VII. **Glucose Amperometric Biosensor Based on Immobilization of Glucose Oxidase in Poly[tris((p-aminophenoxy) phosphineoxide)-3,3'xx,4,4'xx- benzophenonetetracarboxylicdiimide] Film**
PAŞAHAN A., KÖYTEPE S., EKİNCİ E.
Yeditepe Üniversitesi,10th Nanoscience and Nanotechnology Conference(NANOTR10), İstanbul, Turkey, 17 - 21 June 2014
- VIII. **Poliimid Temelli Amperometrik Glikoz Biyosensörü**
PAŞAHAN A., KÖYTEPE S., EKİNCİ E.
10. Ulusal Kimya Mühendisliği, İstanbul, Türkiye, Turkey, 3 - 06 September 2012
- IX. **Development of Amperometric Glucose Biosensor by Sol-Gel Immobilization of Glucose Oxidase**
DEMİRKIRAN N., EKİNCİ E., ASILTURK M.
9th International Electrochemistry Meeting in Turkey (ECM9), İzmir, Turkey, 25 - 29 September 2011, pp.310
- X. **Development of Amperometric Glucose Biosensor by Sol-Gel Immobilization of Glucose Oxidase**
DEMİRKIRAN N., EKİNCİ E., ASILTURK M.
9th International Electrochemistry Meeting in Turkey (ECM9), İzmir, Turkey, 25 - 29 September 2011, pp.310
- XI. **Ürik Asit Seçici Membran Olarak Poli(1,4- Fenilendiamin) elektrodu**
KURŞUN S., PAŞAHAN A., ZABCI EKİNCİ B., EKİNCİ E.
25. Uluslar Arası Katılımlı Ulusal Kimya Kongresi, Erzurum, Türkiye, Turkey, 27 June - 02 July 2011

- XII. **Poli (3-aminofenol) Elektrodunun Ürik Asit Seçiciliğinin İncelenmesi**
KURŞUN S., PAŞAHAN A., ZABCI EKİNCİ B., EKİNCİ E.
XXIV. Ulusal Kimya Kongresi, Zonguldak, Türkiye, Turkey, 29 June - 02 July 2010
- XIII. **Ürik Asit Seçici Elektrot Olarak Politiramin Filmi**
KURŞUN S., PAŞAHAN A., ZABCI EKİNCİ B., EKİNCİ E.
XXIV. Ulusal Kimya Kongresi, Zonguldak, Türkiye, Turkey, 29 June - 02 July 2010
- XIV. **Poli(2-aminofenol) Elektrodun Ürik Asit Seçiciliğinin İncelenmesi**
KURŞUN S., ZAPÇI EKİNCİ B., PAŞAHAN A., EKİNCİ E.
XXIII. Ulusal Kimya Kongresi, Sivas, Türkiye, Turkey, 16 - 20 June 2009
- XV. **Poli[4,4'-xx-Diaminodifeniletan-Oksidifitalikdiimid]- Glikoz Oksidaz Biyosensörü**
PAŞAHAN A., EKİNCİ E., KÖYTEPE S., SEÇKİN T.
21. Ulusal Kimya Kongresi, Malatya, Türkiye, Turkey, 23 - 27 July 2007
- XVI. **Fosfin Oksit İçeren Poliimitlerin Sentezi, Karakterizasyonu ve Dopamin İçin Seçici Membran Olarak Kullanımı**
KÖYTEPE S., PAŞAHAN A., EKİNCİ E., ALICI B., SEÇKİN T.
XIX. Ulusal Kimya Kongresi, Kuşadası, Türkiye, Turkey, 30 September - 04 October 2005
- XVII. **Primidin Temelli Poliimitlerin Sentezi, Karakterizasyonu ve Hidrojen Peroksit Sensör Özellikleri**
KÖYTEPE S., PAŞAHAN A., EKİNCİ E., SEÇKİN T.
XIX. Ulusal Kimya Kongresi, Kuşadası, Türkiye, Turkey, 30 - 04 September 2005
- XVIII. **Galaktoza Duyarlı Materyal Olarak Poli(4-metoksifenol) Filmi**
EKİNCİ E., PAŞAHAN A.
6. Elektrokimya Günleri, Eskişehir, Türkiye, Turkey, 29 June - 01 July 2005
- XIX. **Poliimit'in Hazırlanması, Karakterizasyonu ve H₂O₂ İçin Seçici Membran Olarak Kullanımı**
EKİNCİ E., SEÇKİN T., KÖYTEPE S., PAŞAHAN A.
6. Elektrokimya Günleri, Eskişehir, Türkiye, 29 June - 01 July 2005

Other Publications

- I. **Effect of GLYMO/TEOS/MTEOS Sol-Gel Film Thickness on the Responses of Glucose Biosensor.**
Journal of the Turkish Chemical Society, Section B: Chemical Engineering
Demirkıran N., EKİNCİ E.
Other, pp.17-24, 2017
- II. **The Synthesis and Some Properties of an Inorganic-Organic Polymer as a Coating Material.** DOGA
Turkish Journal of Chemistry.
Sayılkan H., EKİNCİ E., Arpaç E.
Other, pp.190, 1993

Supported Projects

EKİNCİ E., Project Supported by Higher Education Institutions, YAKINCA MESLEK YÜKSEKOKULU GİYİM ÜRETİM TEKNOLOJİSİ PROGRAMI DİKİM ATÖLYESİNİN MODERNİZASYONU, 2015 - 2018

EKİNCİ E., Project Supported by Higher Education Institutions, İNÖNÜ ÜNİVERSİTESİ YAKINCA MESLEK YÜKSEKOKULUNUN "İNSAN KAYNAKLARININ MESLEKİ EĞİTİM YOLUYLA GELİŞTİRİLMESİ PROJESİ" ÇALIŞMALARI DİKKATE ALINARAK YÜKSEKOKULUMUZDA OTOMOTİV TEKNOLOJİSİ PROGRAMI ATÖLYE VE LABORATUVARININ ÇALIŞMAYAN ARAÇ MOTORLARININ ÇALIŞIR HALE GETİRİLMESİ VE EKSİKLİKLERİNİN TAMAMLANMASI, 2014 - 2018

EKİNCİ E., TUBITAK Project, TÜBİTAK - Elektropolimerik Ürik Asit Sensörlerinin Geliştirilmesi, 2008 - 2010

EKİNCİ E., PAŞAHAN A., Project Supported by Other Official Institutions, DPT - Klinik Amaçlı Elektropolimerik Biyosensörlerin Geliştirilmesi, 2000 - 2003

EKİNCİ E., TUBITAK Project, TÜBİTAK - Çevre ve Klinik Kimya Analizleri İçin İletken Polimerlerle Modifiye Edilmiş

Elektrokimyasal Sensörlerin Geliştirilmesi, 1992 - 1998

Activities in Scientific Journals

International Scholarly Research Notices, Committee Member, 2016 - 2016

Metrics

Publication: 51

Citation (WoS): 474

Citation (Scopus): 446

H-Index (WoS): 15

H-Index (Scopus): 14

Congress and Symposium Activities

Effect of GLYMO/TEOS/MTEOS Sol-Gel Film Thickness on the Responses of Glucose Biosensor, Attendee, Elazığ, Turkey, 2017

TGA Analysis of Sol-Gel Films Containing GLYMO, TEOS and MTEOS for the Electrode Surface Modification, Attendee, Elazığ, Turkey, 2017

Electrochemical Poly p aminophenol Synthesis as a Biosensor Membrane, Attendee, Ankara, Turkey, 2008

Electroanalytical Uses of the Electrodes Modified with Conducting Polymers, Attendee, Ankara, Turkey, 2006

Preparation and Properties of a Conducting Polypyrrole as an Amperometric Glucose Biosens, Attendee, İstanbul, Turkey, 1995

The Preparation and Characterization of a Conducting Polymer Matrix Containing, Attendee, İstanbul, Turkey, 1995

Synthesis of Poly p phenylenediamine in Aqueous Media By Electropolymerization and Its Applications as Sensor Material, Attendee, İstanbul, Turkey, 1995

Non Academic Experience

İnönü Üniversitesi