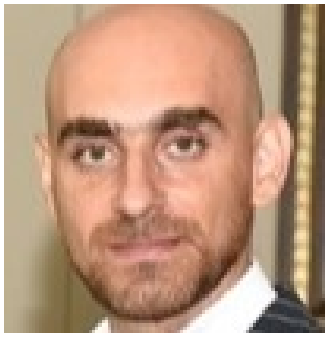
Assoc. Prof. İLKER POLATOĞLU



Personal Information

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International Researcher IDs
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Publons / Web Of Science ResearcherID: AFW-3902-2022
ScopusID: 35798834100
Yoksis Researcher ID: 130608

Education

Doctorate, Izmir Institute Of Technology, Institute of Engineering and Science, Chemical Engineering, Turkey 2005 - 2012
Postgraduate, Izmir Institute Of Technology, Institute of Engineering and Science, Chemical Engineering, Turkey 2002 - 2005
Undergraduate, Van Yüzüncü Yil University, Mühendislik Fakültesi, Gıda Mühendisliği Bölümü, Turkey 1996 - 2000

Foreign Languages

English

Dissertations

Doctorate, Preparation of tyrosinase immobilized chitosan and gelatin films for detection of parathion-methyl, Izmir Institute Of Technology, 2012
Postgraduate, Chemical behaviour of clinoptilolite rich natural zeolite in aqueous medium, Izmir Institute Of Technology, 2005

Research Areas

Avesis Research Areas: Bioengineering, Agriculture, Chemical Engineering and Technology, Food Engineering, Biotechnology, Biosensor, Statistics, Optimization, Analytical Chemistry, Biochemistry
WoS Research Areas: Biology & Biochemistry, Engineering, Mathematics
Scopus Research Areas: Instrumentation, Numerical Analysis, Control and Optimization, Computational Mathematics, Biomaterials, Electrochemistry, Analytical Chemistry, General Chemistry, Bioengineering, Chemical Engineering (miscellaneous), Biotechnology

Academic Positions

Associate Professor, Manisa Celal Bayar University, Mühendislik Ve Doğa Bilimleri Fakültesi, Biyomühendislik, 2022 - Present
Assistant Professor, Manisa Celal Bayar University, Mühendislik Fakültesi, Bioengineering, 2012 - 2021
Research Assistant, Izmir Institute Of Technology, Institute of Engineering and Science, Chemical Engineering, 2003 - 2011

Academic and Administrative Experience

Head of Department, Manisa Celal Bayar University, Mühendislik Ve Doğa Bilimleri Fakültesi, Biyomühendislik, 2026 - Present
Manisa Celal Bayar University, 2019 - Present
Head of Department, Manisa Celal Bayar University, Mühendislik Ve Doğa Bilimleri Fakültesi, Biyomühendislik, 2021 - 2024
Deputy Head of Department, Manisa Celal Bayar University, Mühendislik Ve Doğa Bilimleri Fakültesi, Biyomühendislik, 2012 - 2017

Courses

Postgraduate
Biosensor Technologies, Postgraduate, 2025 - 2026, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022
Instrumental Characterization Techniques, Postgraduate, 2024 - 2025, 2023 - 2024
Experimental Design and Optimization, Postgraduate, 2025 - 2026, 2024 - 2025, 2023 - 2024
Rapid Diagnostic Kit Technologies, Postgraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021
Biomimetic Applications in Technology, Postgraduate, 2023 - 2024, 2022 - 2023
Undergraduate
Fluid Mechanics, Undergraduate, 2025 - 2026, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
Biomimetics, Undergraduate, 2026 - 2027, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019
Graduation Project II, Undergraduate, 2025 - 2026, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020
Vocational Training in Workplace , Undergraduate, 2025 - 2026, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022
Graduation Project I, Undergraduate, 2025 - 2026, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020
Stochiometry, Undergraduate, 2025 - 2026, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
Mathematical Application in Bioengineering System, Undergraduate, 2025 - 2026, 2024 - 2025
Industrial Applications Training, Undergraduate, 2019-2020
Biosensors, Undergraduate, 2019-2020, 2018-2019, 2017-2018, 2016-2017
Perküsyon, Undergraduate, 2018-2019, 2017-2018
Bioengineering Design 2, Undergraduate, 2018-2019, 2017-2018, 2016-2017
Percussion, Undergraduate, 2018-2019, 2017-2018
Bioengineering Design 1, Undergraduate, 2018-2019, 2017-2018
Seminar, Undergraduate, 2018-2019, 2017-2018, 2016-2017
Introduction to Bioengineering, Undergraduate, 2017-2018
Organic Chemistry, Undergraduate, 2016-2017, 2014-2015, 2013-2014
Bioengineering Laboratory 1, Undergraduate, 2016-2017
General Chemsitry, Undergraduate, 2016-2017
Biomaterials, Undergraduate, 2016-2017, 2015-2016, 2014-2015

General Chemistry, Undergraduate, 2015-2016, 2014-2015, 2013-2014
Malzeme Mühendisliği Uygulamaları, Undergraduate, 2015-2016
Malzeme Mühendisliği Tasarımı I, Undergraduate, 2015-2016, 2014-2015
Malzeme Mühendisliği Tasarımı II, Undergraduate, 2014-2015
Akışkanlar Mekaniği, Undergraduate, 2013-2014, 2012-2013
Proses Kontrol, Undergraduate, 2013-2014, 2012-2013

Undergraduate Double Major

Biyosensörler, Undergraduate Double Major, 2019-2020, 2018-2019
Biyomimetik, Undergraduate Double Major, 2018-2019

Supervised Theses

Polatoğlu İ., The Design of A Cost-Effective Paper-Based Colorimetric Sensor Platform For The Practical Detection of Nitrogen Dioxide Gas, Postgraduate, T.EGE(Student), 2026
Polatoğlu İ., Identification of Herbal Extract Formulations with OptimalTherapeutic Efficacy Targeting Diabetic Microvascular Damage and Inflammatory Pain, Postgraduate, B.ÇOKŞEN(Student), 2026
Eroğlu E., Polatoğlu İ., Natural Therapeutics in the Treatment of Diabetes: an in vivo Model, Postgraduate, H.NAZ(Student), 2026
Polatoğlu İ., GDO tespitine yönelik DNA-inorganik hibrit temelli nanomalzemelerin sinyal platformu olarak geliştirilmesi, modellenmesi ve optimizasyonu, Postgraduate, A.YARDIM(Student), 2021

Jury Memberships

Post Graduate, Post Graduate, Manisa Celal Bayar Üniversitesi, August, 2026
Post Graduate, Post Graduate, İzmir Katip Çelebi Üniversitesi, August, 2026
Assistant Professorship Appointment Committee, Assistant Professorship Appointment Committee, İzmir Katip Çelebi Üniversitesi, June, 2026
Doctorate, Doctorate, İzmir Katip Çelebi Üniversitesi, February, 2025
Doctoral Examination, Doctoral Examination, İzmir Katip Çelebi Üniversitesi, December, 2024
Post Graduate, Post Graduate, İzmir Katip Çelebi Üniversitesi, August, 2024
Competition, 2. Mühendislikte Biyomimetik Yaklaşımlar Proje Yarışması, 8. Ulusal Biyomühendislik Kongresi (BEC2024), Manisa Celal Bayar Üniversitesi, May, 2024
Post Graduate, Post Graduate, Manisa Celal Bayar Üniversitesi, March, 2024
Post Graduate, Post Graduate, İzmir Katip Çelebi Üniversitesi, February, 2024
Post Graduate, Post Graduate, İzmir Katip Çelebi Üniversitesi, July, 2023
Post Graduate, Post Graduate, İzmir Katip Çelebi Üniversitesi, July, 2023
Post Graduate, Post Graduate, İzmir Katip Çelebi Üniversitesi, May, 2022
Competition, Mühendislikte Biyomimetik Yaklaşımlar Projesi Yarışması, Manisa Celal Bayar Üniversitesi 30. Yıl Etkinlikleri, Manisa Celal Bayar Üniversitesi, May, 2022
Assistant Professorship Appointment Committee, Assistant Professorship Appointment Committee, Manisa Celal Bayar Üniversitesi, March, 2022
Post Graduate, Post Graduate, İzmir Katip Çelebi Üniversitesi, June, 2021
Post Graduate, Post Graduate, İzmir Katip Çelebi Üniversitesi, June, 2021

Articles

I. **Phytochemical Characterization of Dittrichia viscosa Olive Oil Macerate and Investigation of in vitro Anticancer Activity**

Aktaş B., Eroglu E., Polatoğlu i.
Journal of advanced research in natural and applied sciences (Online), vol.12, no.2, pp.133-145, 2026 (TRDizin)

II. **Spectrophotometric detection of food additives and pesticides by magnetite cross-linked tyrosinase aggregates (MCLTAs)**
Polatoğlu İ.
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.50, no.2, pp.152-163, 2026 (SCI-Expanded, Scopus, TRDizin)

III. **Multiplex Biosensors for Comprehensive Health Monitoring: Non-Invasive, Minimally Invasive, and Invasive Platforms**
Ozbey S., Akkas T., Kaplan T. E., Polatoğlu İ., Şen M., Kurbanoğlu S.
TRAC - TRENDS IN ANALYTICAL CHEMISTRY, vol.197, pp.118698-118722, 2026 (SCI-Expanded, Scopus)

IV. **Synthesis of Novel Phenanthroimidazole Based Beta-Diketone Compounds: Investigation of Their Spectroscopic Properties and Electrochemical Characterization**
Gülle S., Çelik Erbaş S., Polatoğlu İ.
Journal of Fluorescence, vol.35, no.10, pp.9063-9075, 2025 (SCI-Expanded, Scopus)

V. **Nanostructured Metal Oxide-Based Electrochemical Biosensors in Medical Diagnosis**
Keles G., Sifa Ataman E., Taskin S. B., Polatoğlu İ., Kurbanoğlu S.
Biosensors, vol.14, no.5, 2024 (SCI-Expanded, Scopus)

VI. **Methyl cellulose/okra mucilage composite films, functionalized with Hypericum perforatum oil and gentamicin, as a potential wound dressing**
Coban S. N., Polatoğlu İ., Eroğlu E.
International Journal of Biological Macromolecules, vol.254, 2024 (SCI-Expanded, Scopus)

VII. **A new hybrid approach in selection of optimum establishment location of the biogas energy production plant**
Ceylan A. B., Aydın L., Nil M., Mamur H., Polatoğlu İ., Sözen H.
Biomass Conversion and Biorefinery, vol.13, no.7, pp.5771-5786, 2023 (SCI-Expanded, Scopus)

VIII. **COVID-19 in early 2023: Structure, replication mechanism, variants of SARS-CoV-2, diagnostic tests, and vaccine & drug development studies**
Polatoğlu İ., Öncü Öner T., Dalman I., Ozdogan S.
MedComm, vol.4, no.2, 2023 (ESCI, Scopus)

IX. **Portable quantification of silver ion by using personal glucose meter (PGM) and magnetite cross-linked invertase aggregates (MCLIA)**
POLATOĞLU İ., Yardım A.
Analytical Biochemistry, vol.643, 2022 (SCI-Expanded, Scopus)

X. **Determination of effective assay parameters on the activity of magnetite cross-linked invertase aggregates by personal glucose meter**
POLATOĞLU İ., Yardım A.
Biocatalysis and Biotransformation, vol.40, no.1, pp.1-8, 2022 (SCI-Expanded, Scopus)

XI. **A new design strategy with stochastic optimization on the preparation of magnetite cross-linked tyrosinase aggregates (MCLTA)**
POLATOĞLU İ., Aydin L.
Process Biochemistry, vol.99, pp.131-138, 2020 (SCI-Expanded, Scopus)

XII. **A Novel Approach for the Optimal Design of a Biosensor**
Polatoğlu İ., Aydın L., Nevruz B. Ç., Özer S.
Analytical Letters, vol.53, no.9, pp.1428-1445, 2020 (SCI-Expanded, Scopus)

XIII. **Modeling of molecular interaction between catechol and tyrosinase by DFT**
POLATOĞLU İ., KARATAŞ D.
Journal of Molecular Structure, vol.1202, 2020 (SCI-Expanded, Scopus)

XIV. **Quantum Dots for Bioelectrochemical Applications**
POLATOĞLU İ., EROĞLU E., Aydin L.
BIOELECTROCHEMICAL INTERFACE ENGINEERING, pp.485-503, 2020 (SCI-Expanded)

XV. **Development of an optical tyrosinase biosensor (TCA) for detection of "Parathion-Methyl"**
POLATOĞLU İ., Cakıcıoglu Ozkan F.
Sensor Review, vol.39, no.4, pp.604-611, 2019 (SCI-Expanded, Scopus)

XVI. **An overview of biomolecules, immobilization methods and support materials of biosensors**
Asal M., Özen Ö., Şahinler M., Baysal H. T., Polatoğlu İ.
Sensor Review, vol.39, no.3, pp.377-386, 2019 (SCI-Expanded, Scopus)

XVII. **Electrochemical sensing platform based on tyrosinase immobilized magnetite chitosan nanobiocomposite film and its application as catechol biosensor**
POLATOĞLU İ.
Journal of the Electrochemical Society, vol.166, no.15, 2019 (SCI-Expanded, Scopus)

XVIII. **The Design and Characterization of Carbon Paste Electrode for Electrochemical Biosensors**
POLATOĞLU İ.
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.22, no.Özel, pp.141-148, 2018 (TRDizin)

XIX. **Recent developments in enzyme, DNA and immuno-based biosensors**
Asal M., Özen Ö., Şahinler M., Polatoğlu İ.
Sensors (Switzerland), vol.18, no.6, 2018 (SCI-Expanded, Scopus)

XX. **Development of a Gold Nanoparticle-Based Electrochemical Biosensor for Detection of Phenolic Compounds**
Polatoğlu İ., Kızılkaya M., Eren Ü.
Journal of the Turkish Chemical Society Section B: Chemical Engineering, vol.1, no.1, pp.115-126, 2017 (Peer-Reviewed Journal)

XXI. **In-situ Analysis of Reaction Parameter Effects on Tyrosinase Enzyme Activity by UV Spectrophotometer**
POLATOĞLU İ.
Celal Bayar Üniversitesi Fen Bilimleri Dergisi, vol.12, no.2, pp.319-325, 2016 (TRDizin)

XXII. **Mechanical Properties of Acorn and Pine Cone Filled Polymer Composites**
Baştürk S. B., Kanbur K., Polatoğlu İ., Yürekli Y.
vol.14, no.2, pp.144-153, 2015 (Peer-Reviewed Journal)

XXIII. **Fabrication and Characterization Techniques of Filtration Membranes**
Yurekli Y., Polatoğlu İ., Baştürk S. B.
Celal Bayar Üniversitesi Fen Bilimleri Dergisi, vol.11, no.2, pp.175-181, 2015 (TRDizin)

XXIV. **Paratiyon'un Organik Çözücülerdeki Çözünürlüğünün Hesaplanması**
Polatoğlu İ., Yurekli Y., Baştürk S. B.
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.15, no.3, pp.401-405, 2015 (TRDizin)

XXV. **Aqueous interactions of zeolitic material in acidic and basic solutions**
Polatoglu İ., Cakicioglu-Ozkan F.
MICROPOROUS AND MESOPOROUS MATERIALS, vol.132, no.1-2, pp.219-225, 2010 (SCI-Expanded, Scopus)

XXVI. **Kinetics of proton transfer in the zeolitic tuff**
Cakicioglu-Ozkan F., Polatoglu İ.
CENTRAL EUROPEAN JOURNAL OF CHEMISTRY, vol.7, no.3, pp.508-511, 2009 (SCI-Expanded, Scopus)

Books

I. **Nanozyme-based tests for rapid diagnosis of SARS-COV-2**
EROĞLU E., KURBANOĞLU S., POLATOĞLU İ.
in: Nanozymes, Huang Peng, Pudake Ramesh Namdeo, Tripathi Ravi Mani, HORZUM POLAT NESRİN, Editor, Elsevier, pp.281-294, 2024

II. **Yavru Zeytin, Yeşil Zeytin ve Zeytin Yaprağı Etanol Özütlerinin İçerik Analizleri ve in vitro Antikanser Aktivitelerinin İncelenmesi**
AKTAŞ B., Öğreten A., EROĞLU E., POLATOĞLU İ.

in: Mühendislik, Fen ve Sağlık Bilimlerinde Ar-Ge ve İnovasyon Çalışmaları, Sidas Medya Ltd. Şti., pp.100-107, 2024

III. **Quantum Dots for Bioelectrochemical Applications**
POLATOĞLU İ., EROĞLU E., AYDIN L.
in: Bioelectrochemical Interface Engineering, R. Navanietha Krishnaraj, PhD Rajesh K. Sani, PhD, Editor, wiley, pp.485-503, 2020

IV. **ELECTROCHEMICAL DNA BIOSENSORS**
POLATOĞLU İ., EROĞLU E.
in: THE MOST RECENT STUDIES IN SCIENCE AND ART, PROF. HASAN ARAPGIRLIOGLU, ASSOC. PROF. ATILLA ATIK, PROF. SALIM HIZIROGLU, PROF. ROBERT L. ELLIOTT, DR. DILEK ATIK, Editor, Gece Kitaplığı, pp.1635-1645, 2018

Papers Presented at Peer-Reviewed Scientific Conferences

I. **Systematic Optimization Strategy for Enhancing the Performance of DNA Hybridization based biosensor**
POLATOĞLU İ.
7. International Congress on Biosensor, Ordu, Turkey, 2 - 04 September 2026, (Full Text)

II. **A New Stochastic-Based Design Strategy to Improve the Performance of Biosensors**
Polatoğlu İ., Aydın L.
36. Ulusal Kimya Kongresi, Van, Turkey, 31 August - 03 September 2025, pp.159, (Summary Text)

III. **Efficacy of Natural Compounds on Benign Prostatic Hyperplasia in Rat**
EROĞLU E., AKTAŞ B., BATIR M. B., POLATOĞLU İ.
9th International Congress on Advances in Bioscience and Biotechnology, Konya, Turkey, 03 September 2025, (Summary Text)

IV. **Design of DNA-Inorganic Hybrid Based Signal Platform for GMO Detection with Personal Glucose Meter**
POLATOĞLU İ., Yardım A., EROĞLU E.
6th International Congress on Biosensors, Biosensor2024, Konya, Turkey, 5 - 07 September 2024, (Summary Text)

V. **Manyetit Çapraz Bağlı Tirozinaz Enzim Agregatlarının Geliştirilmesi ve Pestisitleri Algılama Potansiyellerinin Belirlenmesi**
POLATOĞLU İ.
8. Ulusal Biyomühendislik Kongresi (BEC2024), Manisa, Turkey, 16 - 18 May 2024, (Summary Text)

VI. **Andız Otu Yaprak ve Çiçek Maseratlarının İçerik Analizleri ve in vitro Antikanser Aktivitelerinin İncelenmesi**
Aktaş B., POLATOĞLU İ., EROĞLU E.
8. Ulusal Biyomühendislik Kongresi (BEC2024), Manisa, Turkey, 16 - 18 May 2024, (Summary Text)

VII. **Yavru Zeytin, Yeşil Zeytin ve Zeytin Yaprağı Etanol Özütlerinin İçerik Analizleri ve in vitro Antikanser Aktivitelerinin İncelenmesi**
AKTAŞ B., ÖĞRETEN A., EROĞLU E., POLATOĞLU İ.
V. ULUSAL ÜNİVERSİTE – SANAYİ İŞBİRLİĞİ, AR-GE VE İNOVASYON KONGRESİ, Manisa, Turkey, 13 December 2023, (Full Text)

VIII. **Investigation Development of an Innovative Electrochemical Biosensor for DNA Detection**
POLATOĞLU İ., Yardım A., EROĞLU E.
5th International Congress on Biosensors, Çanakkale, Turkey, 21 September 2022, (Summary Text)

IX. **Design of Magnetite Cross-Linked Invertase Aggregates (MCLIA) for Determination of Sucrose in Honey Using Personal Glucose Meter (PGM)**
POLATOĞLU İ., Yardım A., EROĞLU E.
III. International Enzyme and Bioprocess Days, Tokat, Turkey, 09 September 2022, (Summary Text)

X. **Investigation of Silver Ion Effect on ssDNA and dsDNA by PGM**
POLATOĞLU İ., EROĞLU E., Yardım A.

6th International Congress on Advances in Bioscience and Biotechnology (ICABB), Aksaray, Turkey, 25 July 2022, (Summary Text)

XI. **Investigation of rotation speed in the spin coating of biocomposite materials designed for biosensor applications**
Yardım A., EROĞLU E., POLATOĞLU İ.
MOLBIOTEH2020, Kars, Turkey, 6 - 10 December 2020, (Summary Text)

XII. **Preparation of Novel Magnetite Cross-Linked Invertase Aggregates as A Signal Platform**
POLATOĞLU İ., Yardım A., Günay B.
II. International Enzyme Bioprocess Day, 1 - 03 September 2020, (Summary Text)

XIII. **Detection of CA15-3 in Artificial Saliva by Electrochemical Biosensor**
POLATOĞLU İ., Yardım A.
4th International Congress on Biosensors, 8 - 11 July 2019, (Summary Text)

XIV. **The Effect of Nanomaterials on Electrochemical Sensing Performance**
POLATOĞLU İ., Kızılkaya M., Ayğan E. B.
14th Nanoscience and Nanotechnology Conference (NANOTR-14), 22 - 25 September 2018, (Summary Text)

XV. **Detection of Food Additives by Magnetite Cross-Linked Tyrosinase Enzyme Aggregates**
POLATOĞLU İ., Şahinler M.
EastWest Chemistry Conference (EWCC), 10 - 12 October 2018, (Summary Text)

XVI. **Gözyaşından Üre Tayin Edebilen Elektrokimyasal Bir Enzim Sensörünün Geliştirilmesi**
POLATOĞLU İ., Taşkın N., Karakaş N.
13. Ulusal Kimya Mühendisliği Kongresi, Turkey, 3 - 06 September 2018, (Summary Text)

XVII. **Üre Tayinine Yönelik Karbon Pasta Elektrot Tasarımı**
POLATOĞLU İ., Temel H. C.
13. Ulusal Kimya Mühendisliği Kongresi, Turkey, 3 - 06 September 2018, (Summary Text)

XVIII. **Enhancement of Electrochemical Sensing Performance by Nanomaterials**
POLATOĞLU İ.
1. International University Industry Cooperation, RD and Innovation Congress, 18 - 19 December 2017, (Summary Text)

XIX. **Preparation of Novel Magnetite Nanoparticle Cross-Linked Tyrosinase Aggregates**
POLATOĞLU İ., Şahinler M.
13 th Nanoscience and Nanotechnology Conference (NANOTR-13), 22 - 25 October 2017, (Summary Text)

XX. **Preparation and Characterization of Electrochemical Tyrosinase Biosensor**
POLATOĞLU İ.
232nd ECS Meeting, 1 - 05 October 2017, (Summary Text)

XXI. **Characterization and Modification of Hollow Mullite Microspheres For The Application Of Polymer-Matrix Composites**
Yalamaç E., Polatoğlu İ., Sütçü M., Çelik Erbaş S.
3rd International Porous and Powder Materials Symposium and Exhibition (PPM 2017), Aydın, Turkey, 12 - 15 September 2017, (Summary Text)

XXII. **EFFECT OF HOLLOW CERAMIC MICROSPHERES ON THERMAL CONDUCTIVITY MODELS AND COMPRESSIVE STRENGTH OF EPOXY COMPOSITES**
YALAMAÇ E., POLATOĞLU İ., SÜTÇÜ M.
16th International Materials Symposium (IMSP,2016), 12 - 14 October 2016, (Full Text)

XXIII. **Evaluation of thermal conductivity models and compressive strength of hollow ceramic microsphere filled polyester matrix composites**
SÜTÇÜ M., POLATOĞLU İ., YALAMAÇ E.
16th International Materials Symposium (IMSP'2016), Denizli, Turkey, 12 - 14 October 2016, (Full Text)

XXIV. **Tyrosinase Based Amperometric Biosensor for Residue Analysis of Pesticide**
POLATOĞLU İ.
9th European Conference on Pesticides and Related Organic Micropollutants in the Environment and 15th Symposium on Chemistry and Fate of Modern Pesticides, Santiago de compostela, 4 - 07 October 2016, pp.107-

108, (Summary Text)

XXV. **FENOLİK BİLEŞİKLERİN TAYİN EDİLMESİ İÇİN ALTIN NANOPARÇACIKLAR İLE ZENGİNLEŞTİRİLMİŞ ELEKTROKİMYASAL BİR BİYOSENSÖRÜN GELİŞTİRİLMESİ**
Kızılkaya M., eren ü., POLATOĞLU İ.
12. Ulusal Kimya Mühendisliği Kongresi, Turkey, 23 - 26 August 2016, (Full Text)

XXVI. **The Design of Enzymatic Biosensor For Amperometric Detection of Phenolic Compound**
POLATOĞLU İ.
2nd International Congress on Biomaterials Biosensors (BIOMATSEN 2016), 1 - 03 June 2016, (Summary Text)

XXVII. **Çok Duvarlı Karbon Nanotüplerin MWCN Biyosensör Sinyalleri Üzerine Etkisi**
EREN Ü., POLATOĞLU İ.
4. Ulusal Uygulamalı Elektrokimya Lisansüstü Yaz Okulu ve Çalıştayı, Turkey, 24 - 27 May 2016, (Summary Text)

XXVIII. **Detection of Pesticide by Electrochemical Tyrosinase Biosensor**
POLATOĞLU İ.
7th International Symposium on Recent Advances in Food Analysis (RAFA 2015), 3 - 06 November 2015, (Summary Text)

XXIX. **Phenol Biosensor Developed by Tyrosinase Immobilization on Chitosan Magnetite Nanobiocomposite Support**
POLATOĞLU İ.
1st International Conference on Green Chemistry and Sustainable Technologies, 30 September - 03 October 2015, (Summary Text)

XXX. **Development of Tyrosinase Immobilized Chitosan Films for Electrochemical Detection of Phenols**
POLATOĞLU İ., MEHMET A.
2nd International Congress on Biosensors, 10 - 12 June 2015, (Summary Text)

XXXI. **Modification of Natural Zeolite to Enhance Its Neutralizing Capacity in Lactic Acid Medium**
POLATOĞLU İ., ÇAKICIOĞLU ÖZKAN S. F.
International Porous and Powder Materials Symposium and Exhibition, 3 - 06 September 2013, (Full Text)

XXXII. **The Investigation of Fe3O4 Effect on Electrochemical Response of Tyrosinase - Chitosan biocomposite Film for Biosensor Application**
POLATOĞLU İ.
I. Uluslararası Katılımlı Elektrokimya Çalıştayı, Nanoyapı Modifiye Elektrokimyasal ve Biyoelektrokimyasal Sistemler, Turkey, 23 - 28 June 2013, (Summary Text)

XXXIII. **The Influence of Temperature pH and Organic Solvents on Tyrosinase Activity**
POLATOĞLU İ., ÇAKICIOĞLU ÖZKAN S. F.
International Conference on Enzyme Science and Technology, 31 October - 04 November 2011, (Summary Text)

XXXIV. **Holandit Klinoptilolit Doğal Zeolitinin Asit Ortamındaki Proton Transfer Mekanizmalar**
POLATOĞLU İ., ÇAKICIOĞLU ÖZKAN S. F.
9. Ulusal Kimya Mühendisliği Kongres, Turkey, 22 - 25 June 2010, (Summary Text)

XXXV. **Tyrosinase Fe3O4 Chitosan Nanobiocomposite Film for Biosensor Applications**
POLATOĞLU İ., ÇAKICIOĞLU ÖZKAN S. F.
NANOTR6, 15 - 18 June 2010, (Summary Text)

XXXVI. **The Buffering Effect of Natural Zeolite on Gastric Disturbance**
POLATOĞLU İ., ÇAKICIOĞLU ÖZKAN S. F.
EMCC6, 7 - 12 March 2010, (Full Text)

XXXVII. **Zeolitin Yapay Mide Sıvısındaki Davranışı**
Karaçığa M. Y., Çınar S., POLATOĞLU İ., ÇAKICIOĞLU ÖZKAN S. F.
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XXXVIII. **Klinoptilolitçe Zengin Doğal Zeolitin Sulu Ortamlardaki KimyasalDavranışları**
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Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, Other Journals, January 2016

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Roles in Event Organizations

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Metrics

Publication: 72
Citation (WoS): 391
Citation (Scopus): 506
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Entrepreneurship Activities

Anonymous, BIOSENS ID BIYOTEKNOLOJI SANAYI VE ANONIM SIRKETI, 19 August 2021, Co-Founder

Non Academic Experience

Technology Development Zone, BIOSENS ID A.Ş., Biymühendislik, Kurucu Ortak