

Prof. MEHLİKA PULAT

Personal Information

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International Researcher IDs

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ScopusID: 6701759637

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Education Information

Doctorate, Marmara University, Institute For Graduate Studies In Pure And Applied Sciences, Kimya (Dr), Turkey 1986 - 1990

Postgraduate, Marmara University, Institute For Graduate Studies In Pure And Applied Sciences, Kimya (YI) (Tezli), Turkey 1984 - 1986

Undergraduate, Ankara University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Turkey 1977 - 1981

Dissertations

Doctorate, Poliüretan membranların fizikokimyasal özelliklerinin belirlenmesi ve biyolojik uyuşabilirliklerinin incelenmesi, Marmara University, Fen Bilimleri Enstitüsü, Kimya (Dr), 1990

Postgraduate, Bir polistiren örneğinin molekül ağırlığının ve çözelti parametrelerinin belirlenmesi, Marmara University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 1986

Research Areas

Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Professor, Gazi University, Fen Fakültesi, Kimya, 2002 - Continues

Associate Professor, Gazi University, Fen Fakültesi, Kimya, 1995 - 2002

Assistant Professor, Gazi University, Fen Fakültesi, Kimya, 1990 - 1995

Courses

ARAŞTIRMA PROJESİ, Undergraduate, 2021 - 2022

GENEL KİMYA, Undergraduate, 2021 - 2022

POLİMERİK BİYOMATERYALLER, Undergraduate, 2021 - 2022

BİYOMEDİKAL MATERYALLER, Postgraduate, 2021 - 2022

GENEL KİMYA, Undergraduate, 2019 - 2020

Genel Kimya II, Undergraduate, 2019 - 2020

Advising Theses

Pulat M., The synthesis and characterization of biocompatible hydrogel for tendon and cartilage tissue treatment, Doctorate, E.SEVER(Student), 2024

Pulat M., Bal Arısı Parazitlerine Karşı Kontrollü Akarisit Serbestleştirilen Hidrojel Sistemlerin Geliştirilmesi, Postgraduate, E.ECE(Student), 2024

PULAT M., Çeşitli mikro besin elementi içeren sodyum karboksimetil selüloz ve κ -karragenan hidrojel sistemlerin geliştirilmesi ve etkinliklerinin incelenmesi, Doctorate, G.OYTUN(Student), 2017

PULAT M., Development Of Sodium Carboxymethyl Cellulose And κ -Carrageenan Hydrogel Systems Containing Various Micronutrients And Investigation Of Their Effectiveness, Doctorate, G.Oytun(Student), 2017

PULAT M., (Gelatin-PAAm) içeren IPN tipi hidrojelilerin kontrollü serbestleşme ve mikrobiyal gübre sistemlerinde etkinliklerinin incelenmesi, Postgraduate, N.UĞURLU(Student), 2012

PULAT M., JELATİN HİDROJELLERİN KONTROLLÜ GÜBRE SERBESTLEŞMESİ VE MİKROBİYAL GÜBRE SİSTEMLERİNDE ETKİNLİKLERİNİN İNCELENMESİ, Postgraduate, N.YOLTAY(Student), 2012

PULAT M., Plant growth regulators biodegradable hydrogels containing various systems development and agricultural applications, Doctorate, A.EKMEKÇİ(Student), 2012

PULAT M., Gelatin hydrogels synthesis, swelling/degradation behaviours investigation and formation of suitable immobilized lipase-gelatin hydrogels systems, Postgraduate, G.Oytun(Student), 2011

PULAT M., Jelatin hidrojelilerinin sentezlenmesi, şişme/bozunma davranışlarının incelenmesi ve uygun immobilize lipaz-jelatin hidrojel sisteminin oluşturulması, Postgraduate, G.OYTUN(Student), 2011

PULAT M., Gelatin hydrogels synthesis, swelling/degradation behaviours investigation and formation of suitable immobilized lipase-gelatin hydrogels systems, Postgraduate, G.Oytun(Student), 2011

PULAT M., Kitosan, akrilik asit, akrilamid, itakonik asit ve krotonik asit temelli hidrojelilerin biyouyumluluklarının belirlenmesi, Postgraduate, O.KARA(Student), 2008

PULAT M., INVESTIGATION OF SWELLING BEHAVIORS AND EFFECT OF WOUND HEALING OF IPN TYPE HDROGELS INCLUDING CHITOSAN-POLY(ACRYLIC ACID) AND POLY(ACRYLAMIDE), Postgraduate, N.TAN(Student), 2008

PULAT M., Kitosan-poli(akrilik asit)-poli(akrilamid) içeren IPN tipi hidrojelilerin şişme davranışları ve yara iyileşmesine etkisinin incelenmesi, Postgraduate, N.TAN(Student), 2008

PULAT M., DETERMINATION OF BIOCOMPATIBILITIES OF CHITOSAN, ACRYLIC ACID, ACRYLAMIDE, ITACONIC ACID AND CROTONIC ACID BASED HYDROGELS, Postgraduate, O.KARA(Student), 2008

PULAT M., Kitosan-poliakrilik asit-polisitrakonik asit içeren yarı-ipn tipi hidrojelilerin şişme özellikleri ve flukonazol salım davranışlarının incelenmesi, Postgraduate, D.ASIL(Student), 2006

PULAT M., Krotonik asit, akrilamid ve akrilik asit içeren hidrojelilerin şişme davranışları ve pantoprazol-Na'nın kontrollü salımında kullanılabilirliğinin incelenmesi, Postgraduate, M.ÇETİN(Student), 2006

PULAT M., Akrilik asit-akrilamid- poli(vinil alkol) içeren yarı-IPN tipi hidrojelilerin şişme özellikleri ve lipaz salım davranışları, Postgraduate, H.İREM(Student), 2006

PULAT M., Poli(akrilamid-ko-itakonik asit) ve poli(akrilik asit-ko-itakonik asit) hidrojelilerinin şişme özellikleri, flukonazol salım davranışları ve mikrobiyal etkileşimlerinin incelenmesi, Postgraduate, H.EKŞİ(Student), 2006

PULAT M., Kitosan-poliakrilamid-polisitrakonik asit içeren yarı IPN-tipi hidrojelilerin şişme özellikleri ve lipaz salım davranışları, Postgraduate, N.DEMİRKOL(Student), 2006

PULAT M., Pamuk ipliğine çeşitli vinil monomerlerin en uygun aşılama koşullarının belirlenmesi, Postgraduate, C.İSAKOCA(Student), 2003

PULAT M., Poliüretan bazlı hidrofilik ve hidrofobik disklerin sığır serum albumin (BSA) ile etkileşimleri ve mikroorganizmalara karşı davranışları, Postgraduate, A.EKMEKÇİ(Student), 2003

PULAT M., Polihidroksietil metakrilat (PHEMA) boncuklara ve poliüretan bazlı membranlara sığır serum albümin (BSA) adsorpsiyonu, Postgraduate, E.MEMİŞ(Student), 2002

PULAT M., Poliüretan membranlara benzoil peroksit başlatıcısı kullanarak akrilik asit, krotonik asit, akrilamid ve itakonik

asit aşılması, Postgraduate, D.BABAYİĞİT(Student), 2000

PULAT M., Roket sanayiinde kullanılan cam elyafla güçlendirilmiş fenolik reçine esaslı pre-preg malzemenin raf ömrü çalışması, Postgraduate, F.YILDIRIM(Student), 1999

PULAT M., Tmed nötral ligandlı çinko ve mangan fenolat komplekslerinden katı halde ısı bozundurma yöntemi ile poli (dihalofenilen oksik) sentezi çalışması, Postgraduate, E.DİLBER(Student), 1999

PULAT M., Etilendiamin ve piridin nötral ligantlı çinko fenolat komplekslerinden katı halde ısı bozundurma yöntemi ile poli (dihalofenilen oksit) sentezi ve karakterizasyonu, Postgraduate, Ü.ÇALIŞKAN(Student), 1999

PULAT M., Mangan fenolat komplekslerinden katı halde ısı bozundurma yöntemi ile poli (dihalofenilen oksit) sentezi ve karakterizasyonu, Postgraduate, B.AKARSU(Student), 1996

Jury Memberships

Doctoral Examination, Doctoral Examination, Gazi Üniversitesi, January, 2021

Associate Professor Exam, Associate Professor Exam, Gazi Üniversitesi, July, 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Investigation of the acaricidal efficacy, tolerance and residue levels of thymol-containing gelatin-based hydrogel developed for varroosis control**
Demir O., BİLGİLİ A., PULAT M.
TURKISH JOURNAL OF VETERINARY & ANIMAL SCIENCES, no.5, 2024 (SCI-Expanded)
- II. **Evaluation of the preparation, characterisation, and release properties of Thymol-Containing Gelatin-Based Hydrogels for Varroosis control**
Demir O., PULAT M., BİLGİLİ A.
ANKARA UNIVERSİTESİ VETERİNER FAKULTESİ DERGİSİ, no.4, pp.407-416, 2024 (SCI-Expanded)
- III. **Preparation and characterization of kappa-carrageenan hydrogel for controlled release of copper and manganese micronutrients**
Akalin G. O., PULAT M.
POLYMER BULLETIN, vol.77, no.3, pp.1359-1375, 2020 (SCI-Expanded)
- IV. **Controlled release behavior of zinc-loaded carboxymethyl cellulose and carrageenan hydrogels and their effects on wheatgrass growth**
Akalin G. O., PULAT M.
JOURNAL OF POLYMER RESEARCH, vol.27, no.1, 2019 (SCI-Expanded)
- V. **GRAFTING OF 2-HYDROXY ETHYL METHACRYLATE ONTO WOOL YARNS TO IMPROVE THEIR SHRINK-RESISTANCE AND FASTNESS PROPERTIES**
Nuralin F., Pulat M.
TEKSTİL VE KONFEKSİYON, vol.28, no.1, pp.27-33, 2018 (SCI-Expanded)
- VI. **Preparation and Characterization of Nanoporous Sodium Carboxymethyl Cellulose Hydrogel Beads**
Akalin G. O., PULAT M.
JOURNAL OF NANOMATERIALS, vol.2018, 2018 (SCI-Expanded)
- VII. **Preparation and characterization of biodegradable gelatin-PAAm-based IPN hydrogels for controlled release of maleic acid to improve the solubility of phosphate fertilizers**
PULAT M., Ugurlu N.
SOFT MATERIALS, vol.14, no.4, pp.217-227, 2016 (SCI-Expanded)
- VIII. **Lipase release through semi-interpenetrating polymer network hydrogels based on chitosan, acrylamide, and citraconic acid**
PULAT M., Akalin G. O., Karahan N. D.
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.42, no.2, pp.121-127, 2014 (SCI-Expanded)
- IX. **SYNTHESIS OF 2-HYDROXY ETHYL METHACRYLATE GRAFTED COTTON FIBERS AND THEIR FASTNESS**

PROPERTIES

PULAT M., Nuralin F.

CELLULOSE CHEMISTRY AND TECHNOLOGY, vol.48, pp.137-143, 2014 (SCI-Expanded)

- X. **Swelling behavior and morphological properties of semi-IPN hydrogels based on ionic and non-ionic components**
PULAT M., Ozgunduz H. I.
BIO-MEDICAL MATERIALS AND ENGINEERING, vol.24, no.4, pp.1725-1733, 2014 (SCI-Expanded)
- XI. **Preparation and characterization of gelatin hydrogel support for immobilization of Candida Rugosa lipase**
PULAT M., Akalin G. O.
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.41, no.3, pp.145-151, 2013 (SCI-Expanded)
- XII. **Sequential antibiotic and growth factor releasing chitosan-PAAm semi-IPN hydrogel as a novel wound dressing**
PULAT M., Kahraman A. S., Tan N., GÜMÜŞDERELİOĞLU M.
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.24, no.7, pp.807-819, 2013 (SCI-Expanded)
- XIII. **5-Fluorouracil Encapsulated Chitosan Nanoparticles for pH-Stimulated Drug Delivery: Evaluation of Controlled Release Kinetics**
TIĞLI AYDIN R. S., PULAT M.
JOURNAL OF NANOMATERIALS, vol.2012, 2012 (SCI-Expanded)
- XIV. **Swelling Dynamics of IPN Hydrogels Including Acrylamide-Acrylic Acid-Chitosan and Evaluation of their Potential for Controlled Release of Piperacillin-Tazobactam**
PULAT M., Tan N., Onurdag F. K.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.120, no.1, pp.441-450, 2011 (SCI-Expanded)
- XV. **Fluconazole Release Through Semi-Interpenetrating Polymer Network Hydrogels Based on Chitosan, Acrylic Acid, and Citraconic Acid**
PULAT M., Asil D.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.113, no.4, pp.2613-2619, 2009 (SCI-Expanded)
- XVI. **Pantoprazole-Na release from poly(acrylamide-co-crotonic acid) and poly(acrylic acid-co-crotonic acid) hydrogels**
PULAT M., Cetin M.
JOURNAL OF BIOACTIVE AND COMPATIBLE POLYMERS, vol.23, no.4, pp.3054-318, 2008 (SCI-Expanded)
- XVII. **Fluconazole release from hydrogels including acrylamide-acrylic acid-itaconic acid, and their microbiological interactions**
PULAT M., Eksi H., Abbasoglu U.
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.19, no.2, pp.193-205, 2008 (SCI-Expanded)
- XVIII. **Determination of swelling behavior and morphological properties of poly(acrylamide-co-itaconic acid) and poly(acrylic acid-co-itaconic acid) copolymeric hydrogels**
Pulat M., Eksi H.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.102, no.6, pp.5994-5999, 2006 (SCI-Expanded)
- XIX. **Chemically induced graft copolymerization of vinyl monomers onto cotton fibers**
Pulat M., Isakoca C.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.100, no.3, pp.2343-2347, 2006 (SCI-Expanded)
- XX. **Adsorption of bovine serum albumin onto surface-modified polyhydroxyethyl methacrylate beads**
Pulat M., Memis E., Gumusderelioglu M.
JOURNAL OF BIOMATERIALS APPLICATIONS, vol.17, no.3, pp.237-248, 2003 (SCI-Expanded)
- XXI. **The diffusion and bulk properties of polyurethane (PU)-based hydrophilic and hydrophobic membranes**
Pulat M., Akdogan A.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.85, no.1, pp.193-198, 2002 (SCI-Expanded)
- XXII. **Surface modification of PU membranes by graft copolymerization with acrylamide and itaconic acid monomers**

Pulat M., Babayigit D.

POLYMER TESTING, vol.20, no.2, pp.209-216, 2001 (SCI-Expanded)

Articles Published in Other Journals

- I. **Development of a Controlled Released System Based on IPN Types Hydrogel for Cartilage Repair**
Sever E., PULAT M.
Gazi University Journal of Science, vol.37, no.2, pp.576-591, 2024 (ESCI)
- II. **The Synthesis and Characterization of MMT Added IPN Type Hydrogels**
SEVER E., PULAT M.
Gazi Üniversitesi Fen Fakültesi dergisi (Online), vol.4, no.2, pp.80-92, 2023 (Peer-Reviewed Journal)
- III. **The Synthesis of a Controlled Release System Based on MMT Added IPN Type Hydrogels**
SEVER E., pulat m.
Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, vol.11, no.3, pp.837-849, 2023 (Peer-Reviewed Journal)
- IV. **Kontrollü Mangan Mikro Besin Elementi Salımı için Sodyum Karboksimetil Selüloz Hidrojelinin Hazırlanması**
AKALIN G. O., PULAT M.
Nevşehir Bilim ve Teknoloji Dergisi, pp.56-63, 2020 (Peer-Reviewed Journal)
- V. **Determination of Some Physical and Mechanical Properties of the Wood Based Panels Modified by Acrylic Textile Fiber**
ALTUNOK M., KÜRELİ İ., PULAT M.
Materials Sciences and Applications, pp.519-526, 2015 (Peer-Reviewed Journal)
- VI. **Determination of some physical and mechanical properties of the wood based panels modified by acrylic textile fiber**
ALTUNOK M., KÜRELİ İ., PULAT M.
Material Sciences and Applications, pp.519-526, 2015 (Peer-Reviewed Journal)
- VII. **Investigation of Water and Antimicrobial Agent Permeation of Polyurethane Membranes in Relation to Their Surface Properties**
ABBASOĞLU U., PULAT M.
FABAD,J.Pharm.Sci, vol.19, pp.1, 1994 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **SWELLING AND DEGRADATION BEHAVIORS OF MULTILAYER GELATIN CHITOSAN HYDROGEL SYSTEMS**
PULAT M.
in: New Horizons in Science and Mathematics, Hüsnüye AKA SAĞLIKER, Abdurrahman Günday, Editor, GECE AKADEMİ, pp.31-48, 2019
- II. **Jelatin/Kitosan Hidrojellerden Kontrollü Üre Salımı**
AKALIN G. O., PULAT M.
in: FEN BİLİMLERİ VE MATEMATİK, Yakar Ali, Topaklı Hüseyin, Editor, NOBEL AKADEMİK YAYINCILIK EĞİTİM DANIŞMANLIK, Ankara, pp.249-260, 2018
- III. **Jelatin Hidrojel Boncuklardan Kontrollü Çinko Mikro Besin Elementi Salımı**
AKALIN G. O., PULAT M.
in: FEN BİLİMLERİ VE MATEMATİK, Yakar Ali, Topaklı Hüseyin, Editor, NOBEL AKADEMİK YAYINCILIK EĞİTİM DANIŞMANLIK, Ankara, pp.239-249, 2018
- IV. **Katılar ve sıvılar**
PULAT M.
in: FİZİKOKİMYA PROBLEM ÇÖZÜMLERİ, Nursel Pekel Bayramgil, Gülsen Asman, Editor, PALME, Ankara, pp.60-80,

2016

V. **Ekler**

Tümtürk H., Menzek A., Tunçeli A., Aktan E., Sevin Düz F., Ünal H. İ., Yekeler H., Kiran İ., Aksu M. L., Pulat M., et al.
in: Genel Kimya Öğrenciler İçin Problem Çözümleri, Recai İnam, Serpil Aksoy, Editor, Palme Yayıncılık, Ankara,
pp.300-320, 2015

VI. **Modification of Cellulose-Based Fibers by the Graft Copolymerization Method**

PULAT M.

in: Cellulose Based Graft Copolymers Structure and Chemistry, Vijay Kumar Thakur, Editor, CRC Press, pp.191-204,
2015

VII. **Kimyasal Kinetik**

PULAT M.

in: Genel Kimya Problem Çözümleri, Prof.Dr.Recai İnam, Prof.Dr.Serpil Aksoy, Editor, Palme Yayıncılık, Ankara,
pp.326-361, 2015

Refereed Congress / Symposium Publications in Proceedings

I. **PREPARATION OF SODIUM CARBOXYMETHYL CELLULOSE HYDROGEL FOR CONTROLLED RELEASE OF MANGANESE MICRONUTRIENT**

AKALIN G. O., PULAT M.

4. International Conference on Material Science and Technology, Turkey, 18 - 20 October 2019, pp.620-624

II. **Preparation and Characterization of Na-Alginate Hydrogel Beads**

PULAT M., ÖZÜKAYA d.

International Conference on Research in Education and Science, İzmir, Turkey, 28 April - 01 May 2019, vol.6,
pp.32-38

III. **Preparation of Gelatin and Chitosan Hydrogels Beads**

Pulat M.

International Conference on Research in Education and Science, İzmir, Turkey, 28 April - 01 May 2019, vol.6,
pp.111-117

IV. **THE PREPARATION OF GELATIN COATED SODIUM ALGINATE HYDROGELS**

PULAT M.

International Conference on Technology, Engineering and Science (IConTES), Turkey, 27 - 30 October 2018,
pp.149-155

V. **PREPARATION OF SODIUM CARBOXYMETHYL CELLULOSE HYDROGELS FOR CONTROLLED RELEASE OF COPPER MICRONUTRIENT**

AKALIN G. O., PULAT M.

International Conference on Research in Education and Science, 28 April - 01 May 2018

VI. **THE PREPARATION OF CONTROLLED RELEASE FERTILIZER BASED ON GELATIN HYDROGEL INCLUDING AMMONIUM NITRATE AND INVESTIGATION OF ITS INFLUENCE ON VEGETABLE GROWTH**
PULAT M., YOLTAY SAĞLAM N.

International Conference on Research in Education and Science, 28 April - 01 May 2018

VII. **Preparation and Characterization of κ -Carrageenan Hydrogel for The Controlled Release of Copper and Manganese Micronutrients**

AKALIN G. O., PULAT M.

6th International Molecular Biology and Biotechnology Congress, 22 December - 25 January 2017

VIII. **Development of Sodium Carboxymethyl Cellulose Hydrogel System Containing Zinc Micronutrient and Investigation of Its Effectiveness on Wheatgrass Growth**

AKALIN G. O., PULAT M.

3th ASM International Congress of Agriculture and Environment, 16 - 18 November 2017

IX. **Preparation and Characterization of Nanoporous Na CMC Hydrogel**

AKALIN G. O., PULAT M.

12th Multinational Congress on Microscopy, Eger, Hungary, 23 - 28 August 2015, pp.567-568

- X. **Kalsiyum Fosfat Gübresinin Çözünürlüğünün Kontrollü Maleik Asit Serbestleştiren Hidrojel Sistemi ile Arttırılması ve Etkinliğinin İncelenmesi**
PULAT M., UĞURLU N.
Ekoloji 2015 Sempozyumu, Sinop, Turkey, 6 - 09 May 2015
- XI. **Jelâtin Temelli Hidrojele Hapsedilen Synechocystis Sp. Baso670 () Bakterisinin Nitrat Üretiminin Takibi**
UĞURLU N., ASLIM B., ÖZTÜRK Ş., PULAT M.
IV. ULUSAL POLİMER BİLİM VE TEKNOLOJİKONGRESİ, Turkey, 5 - 09 September 2012
- XII. **Jelâtin Temelli Hidrojele Hapsedilen Pseudomonas Aeruginosa-78 Bakterisinin Nitrat Üretiminin Takibi**
Yoltay N., Aydın B., Aslm B., Pulat M.
IV. ULUSAL POLİMER BİLİM VE TEKNOLOJİKONGRESİ, Çanakkale, Turkey, 5 - 08 September 2012
- XIII. **Jelâtin temelli hidrojele hapsedilen Pseudomonas aeruginosa 78 bakterisinin nitrat üretiminin takibi.**
YOLTAY N., AYDIN B., ASLIM B., PULAT M.
IV. Ulusal Polimer Bilim ve Teknolojisi Kongresi, Turkey, 5 - 08 September 2012
- XIV. **YÜN İPLİKLERİNE PHEMA AŞILANMASI KOŞULLARININ İNCELENMESİ**
EROL F., PULAT M.
2. ULUSAL POLİMER BİLİM VE TEKNOLOJİSİ KONGRESİ VE SERGİSİ, Şanlıurfa, Turkey, 30 April - 02 May 2008, pp.77
- XV. **The release of bovine serum albumin from polyurethane based hydrophilic and hydrophobic disks and microbiological interaction**
PULAT M., ekmekeci h., ASLIM B.
BIOMED 2004, 11. International Biomedical Science and Tecnology Days, 6 - 10 September 2004

Supported Projects

PULAT M., Sever E., Project Supported by Higher Education Institutions, Tendon ve kırıldak doku tedavisi için biyoyumlu hidrojel üretimi ve karakterizasyonu, 2021 - Continues

Pulat M., Demir O., TAGEM Tarımsal Araştırmalar ve Politikalar Genel Müdürlüğü Projesi, Varroosis Mücadelesi İçin Kontrollü Timol Salım Sisteminin Geliştirilmesi ve Etkinliğinin Araştırılması, 2019 - 2022

Pulat M., Project Supported by Higher Education Institutions, ÇEŞİTLİ BİTKİ BESİN ELEMENTLERİ İÇEREN HİDROJELLERİN KONTROLLÜ GÜBRE SALIM SİSTEMİ OLARAK GELİŞTİRİLMESİ VE ETKİNLİKLERİNİN ARAŞTIRILMASI, 2015 - 2017

PULAT M., Project Supported by Higher Education Institutions, BİTKİ GELİŞİM DÜZENLEYİCİLERİ- BİYOBOZUNUR HİDROJEL SİSTEMLERİNİN GELİŞTİRİLMESİ VE İNCELENMESİ, 2011 - 2014

Pulat M., TUBITAK Project, Hedeflendirilmiş İlaç Taşınım Sistemleri İçin pH-Duyarlı Kitosan Nanohidrojellerinin Geliştirilmesi, 2010 - 2011

PULAT M., Project Supported by Higher Education Institutions, Kitosan Bazlı IPN Tipi Hidrojellerden Lipas Serbestleşmesi, 2006 - 2010

PULAT M., Project Supported by Higher Education Institutions, Hidrojenlerden Kontrollü İlaç Serbestleşmesi, 2005 - 2009

PULAT M., Project Supported by Higher Education Institutions, Hidrofilik ve Hidrofobik Poliüretan Disklerden Kontrollü Protein Salımı, 2003 - 2005

PULAT M., Project Supported by Higher Education Institutions, PHEMA Boncuklara BAS Adsorpsiyonu, 2002 - 2004

PULAT M., Project Supported by Higher Education Institutions, Poliüretan membranlara Aam ve AA aşılama, 2000 - 2000

PULAT M., Project Supported by Higher Education Institutions, Bazı doğal tekstil materyallerinin modifikasyonları, 1999 - 1999

PULAT M., Project Supported by Higher Education Institutions, Çeşitli polimerik nemoranların kontrollü ilaç

serbestleřtirmeleri, 1998 - 1998

Pulat M., Project Supported by Higher Education Institutions, Poliüretan ve PVC Membranlardan Kontrollü İlaç Serbestleřmesi, 1995 - 1997

PULAT M., Project Supported by Higher Education Institutions, Sentetik polimerlerle ařılanmıř ve kaplanmıř doęal polimerik materyallerin özelliklerinin incelenmesi, 1996 - 1996

Pulat M., Project Supported by Higher Education Institutions, Plazma Polimerizasyonu ile Modifiye Edilmiř Polimerik Membranlar ve Biyotıp Uygulamaları, 1992 - 1994

PULAT M., Project Supported by Higher Education Institutions, Metal iyonu farklı halofenol komplekslerin çözelti , ısı ve elektrokimyasal polimerleřtirilmesi, 1993 - 1993

PULAT M., Project Supported by Higher Education Institutions, Halofenol komplekslerinin elektrokimyasal ve ısı polimerizasyonları, 1993 - 1993

Patent

Ařım B., Pulat M., Jel ve hidrojel temelli mikrobiyal gübre sistemi, Patent, CHAPTER A Human Needs, The Invention Recourse Number: TR2012 15279 , Standard Registration, 2016

Pulat M., Kontrollü tarım kimyasalları salım materyali, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Recourse Number: 201207198 , Standard Registration, 2015

Memberships / Tasks in Scientific Organizations

Polimer Bilim ve Teknolojisi Derneęi, Board Member, 2015 - Continues, Turkey

Scientific Refereeing

Environmental Nanotechnology, Monitoring and Management, SCI Journal, June 2023

INDUSTRIAL CROPS AND PRODUCTS, SCI Journal, January 2023

CARBOHYDRATE POLYMERS, SCI Journal, October 2022

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INDUSTRIAL CROPS AND PRODUCTS, SCI Journal, November 2021

FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY, SCI Journal, April 2021

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COLLOIDS AND SURFACES B-BIOINTERFACES, SCI Journal, January 2021

TUBİTAK Project, 1002 - Quick Support Program, Gazi University, Turkey, January 2021

JOURNAL OF POLYMERS AND THE ENVIRONMENT, SCI Journal, December 2020

INDUSTRIAL CROPS AND PRODUCTS, SCI Journal, December 2020

CHEMICAL PHYSICS, SCI Journal, November 2020

TUBİTAK Project, 1011 - International Scientific Research Projects Participation Program (UBAP), Gazi University, Turkey, August 2020

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VACUUM, SCI Journal, November 2019
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Metrics

Publication: 52
Citation (WoS): 694
Citation (Scopus): 747
H-Index (WoS): 15
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Congress and Symposium Activities

ICRES2019, Session Moderator, İzmir, Turkey, 2019
ICRESS, Attendee, İzmir, Turkey, 2019
ICRES2018, Session Moderator, Muğla, Turkey, 2018

Non Academic Experience

Adli Tıp Kurumu