Asst. Prof. AHMET ESER

Personal Information

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International Researcher IDs
ScholarID: 0Czh8-oAAAAJ
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Publons / Web Of Science ResearcherID: GVU-0015-2022
ScopusID: 55385466700
Yoksis Researcher ID: 110786

Education

Doctorate, Manisa Celal Bayar University, Turkey 2014 - 2023
Postgraduate, Manisa Celal Bayar University, Turkey 2011 - 2014
Undergraduate, Eskisehir Osmangazi University, Turkey 2007 - 2010

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Farklı taşıyıcılar üzerine serine proteaz subtilisin carlsberg immobilizasyonu, karakterizasyonu, hidroliz ve transesterifikasyon reaksiyonlarındaki kinetik özelliklerinin incelenmesi, Manisa Celal Bayar University, 2023
Postgraduate, Manisa Celal Bayar University, 2014

Research Areas

Avesis Research Areas: Biochemistry, Enzyme Kinetics
WoS Research Areas: Chemistry
Scopus Research Areas: General Chemistry

Academic Positions

Assistant Professor, Manisa Celal Bayar University, Mühendislik Ve Doğa Bilimleri Fakültesi, Kimya, 2025 - Present
Research Assistant, Manisa Celal Bayar University, Mühendislik Ve Doğa Bilimleri Fakültesi, Kimya, 2011 - 2025

Academic and Administrative Experience

Deputy Head of Department, Manisa Celal Bayar University, Mühendislik Ve Doğa Bilimleri Fakültesi, Kimya, 2026 - Present

Articles

I. **Potassium-mediated Alleviation of Boron Toxicity in Sensitive and Tolerant Wheat (Triticum aestivum L.) Cultivars: Oxidative Stress, Antioxidant Response and Mineral Element Composition**
Eser A., Aydemir T.
Commagene Journal of Biology, vol.10, no.1, pp.303-314, 2026 (Scopus, TRDizin)

II. **Sustainable production of biochar from red kidney bean (Phaseolus vulgaris L.) pod waste and its application for phenol removal**
Eser A., Çınar S., Aydemir T.
SEPARATION SCIENCE AND TECHNOLOGY, no.-, pp.1-20, 2026 (SCI-Expanded, Scopus)

III. **Eco-Friendly Fabrication of Cu/Cu_2O Nanocomposites via Sambucus nigra Extract: Study on Adsorptive/Photocatalytic Removal of Methylene Blue and Antioxidant Activity**
Dinçer A., Arık G., Kırca Z., Tirtom V. N., Çınar S., Eser A.
BIONANOSCIENCE, no.16, pp.1-22, 2026 (ESCI, Scopus)

IV. **Structural and Rheological Properties of Chitosan-Biochar Composites Prepared With Waste Biomass-Derived Biochar**
Eser A., Zeybek M. S., Öksüz M., Şirin K.
POLYMER ENGINEERING AND SCIENCE, no.-, pp.1-16, 2026 (SCI-Expanded, Scopus)

V. **Rheological characterization of alginate/Fe3O4 composite suspensions: machine learning analysis and carbon footprint assessment**
Eser A., Zeybek M. S., Dinçer A., Şirin K., Arık G.
CHEMICAL PAPERS, no.-, pp.1-15, 2026 (SCI-Expanded, Scopus)

VI. **Immobilization of Subtilisin Carlsberg and its use for transesterification of N-acetyl-L-phenylalanine ethyl ester in organic medium**
Eser A., Aydemir T.
Bioprocess and Biosystems Engineering, vol.46, no.8, pp.1147-1162, 2023 (SCI-Expanded, Scopus)

VII. **Application of crosslinked chitosan-nanoclay composite beads for efficient removal of Ponceau S azo dye from aqueous medium**
ÇINAR S., DİNÇER A., ESER A., AYDEMİR T.
Toxin Reviews, vol.42, no.3, pp.599-614, 2023 (SCI-Expanded, Scopus)

VIII. **Subtilisin Carlsberg immobilization and its application for eco-friendly leather processing**
Eser A., Aydemir T.
Journal of Cleaner Production, vol.377, 2022 (SCI-Expanded, Scopus)

IX. **The effect of kinetin on wheat seedlings exposed to boron**
Eser A., Aydemir T.
Plant Physiology and Biochemistry, vol.108, pp.158-164, 2016 (SCI-Expanded, Scopus)

X. **Removal of erythrosine dye from aqueous solutions using magnetic chitosan with erythrosine as imprinted molecules**
Eser A., Aydemir T., Becerik S., Dinçer A.
DESALINATION AND WATER TREATMENT, vol.57, no.36, pp.17002-17010, 2016 (SCI-Expanded, Scopus)

XI. **Poly(methyl methacrylate-ethylene glycol dimethacrylate) copolymer for adsorptive removal of erythrosine dye from aqueous solution**
Altındağ İ. G., Dinçer A., Becerik S., Eser A., Aydemir T.
DESALINATION AND WATER TREATMENT, vol.54, no.6, pp.1717-1726, 2015 (SCI-Expanded, Scopus)

XII. **Removal of nickel(II) ions by histidine modified chitosan beads**
Eser A., Nüket Tirtom V., Aydemir T., Becerik S., Dinçer A.
CHEMICAL ENGINEERING JOURNAL, vol.210, pp.590-596, 2012 (SCI-Expanded, Scopus)

Papers Presented at Peer-Reviewed Scientific Conferences

I. **Selective removal of sodium dodecyl sulfate from aqueous solutions using molecularly imprinted magnetic chitosan**
ESER A.
EurasianSciEnTech, Ankara, Turkey, 24 - 26 June 2026, pp.23, (Summary Text)

II. **Characterization and Enzyme Kinetic Study of Serine Protease Subtilisin Carlsberg Immobilized on Biochar-Chitosan Composite Carrier Obtained from Waste Biomass**
ESER A.
EurasianBioChem, Ankara, Turkey, 17 - 19 December 2025, pp.72, (Summary Text)

III. **Green Synthesis of Copper Nanoparticles via Sambucus nigra Extract and Investigation on Its Photocatalytic and Antioxidant Activity**
DİNÇER A., ARIK G., KIRCA Z., TİRTOM V. N., ÇINAR S., ESER A., AYDEMİR T.
4th Eurasia Biochemical and Aproachess Technologies Congress, Antalya, Turkey, 03 November 2022, (Summary Text)

IV. **Preparation and Characterization of Perlite Particles and Its Aplication in Subtilisin Carlsberg Immobilization**
ESER A., AYDEMİR T.
3rd International Eurasian Conference on Bioligical and Chemical Sciences, Ankara, Turkey, 19 March 2020, (Summary Text)

V. **Green Textile Chemicals: Use of Chitosan in TextileIndustry**
ÇINAR S., ESER A., AYDEMİR T., DİNÇER A.
16. ULUSLARARASI TEKSTİL TEKNOLOJİSİ VE KİMYASINDAKİ SON GELİŞMELER SEMPOZYUMU, 4 - 06 May 2017, (Summary Text)

VI. **Natural Dyes Used in the Textile Industry**
Üsküp O., ÇINAR S., ESER A., AYDEMİR T., DİNÇER A.
16. ULUSLARARASI TEKSTİL TEKNOLOJİSİ VE KİMYASINDAKİ SON GELİŞMELER SEMPOZYUMU, 4 - 06 May 2017, (Summary Text)

VII. **Applications of Chitosan as Antimicrobial Textile Finishing**
ESER A., ÇINAR S., AYDEMİR T., DİNÇER A.
16. ULUSLARARASI TEKSTİL TEKNOLOJİSİ VE KİMYASINDAKİ SON GELİŞMELER SEMPOZYUMU, 4 - 06 May 2017, (Summary Text)

VIII. **Molecularly ımprinted magneticchitosan beads for selective removal of textile dyes from waste water**
ESER A., AYDEMİR T., ÇINAR S., DİNÇER A.
2nd INTERNATIONAL CONGRESS OF FORENSIC TOXICOLOGY, 26 - 30 May 2016, (Summary Text)

IX. **Molacularly Imprinted Magnetic Chitosan Beads for Selective Removal of Textile Dyes from Waste Water**
ESER A., AYDEMİR T., ÇINAR S., DİNÇER A.
International 2nd Forensic Toxicology Congress, 26 - 30 May 2016, (Summary Text)

X. **Molecularly imprinted magnetic chitosan beads for selective removal of textile dyes from waste water**
ESER A., AYDEMİR T., ÇINAR S., DİNÇER A.
2nd International congress of forensic toxicology, Industrial and environmental toxicology, 26 May - 30 January 2016, (Summary Text)

XI. **Decolorization of Methyl Orange Dye by Laccase İmmobilized on Histidine Modifed Chitosan**
AYDEMİR T., güler s., ÇINAR S., ESER A., DİNÇER A.
The Fifth Asian Conferance on the Social Science (ACSS 2014), 6 - 11 June 2014, (Summary Text)

XII. **Decolorization of Methyl Orange Dye by Laccase Immobilized on Histidine Modified Chitosan**
AYDEMİR T., Güler S., ÇINAR S., ESER A.
The fourth Asian Conference on Sustainability, Energy and the Environment, 5 - 09 May 2014, (Summary Text)

XIII. **Dispersion of Chitosan on Perlite for Enhancement of Dye Adsorption Capacity**
ÇINAR S., ESER A., AYDEMİR T., DİNÇER A.
International Porous Powder Materials Symposium and exhibition, 3 - 06 September 2013

XIV. **RRemoval of Erythrosine from Water Environment Using Magnetic Chitosan With Erythrosine as Imprinted Molecules**
ESER A., ÇINAR S., AYDEMİR T., DİNÇER A.
44th World Chemistry Congress, 11 - 16 August 2013

XV. **Removal of Ertyhrosine From Water Environment Using Magnetic Chitosan with Erythrosine as Imprinted Molecules**
ESER A., ÇINAR S., AYDEMİR T., DİNÇER A.
4. World Chemistry Congress, 4 - 11 August 2013

XVI. **Enzymatic removal of methyl orange which is one of the azo dye from aqueous solutions**
AYDEMİR T., GÜLER S., ÇINAR S., DİNÇER A., ESER A.
14. National & 1. International Recent Developments, Textile Technology and Chemistry Sympossium, 8 - 10 May 2013

XVII. **Aydemir T Güler S Becerik S Dinçer A Eser A Enzimatic Removal of Methyl Orange which is One of the Azo Dye from Aqueous Solutions 14th national and 1st International Recent Developments**
AYDEMİR T., Güler S., ÇINAR S., ESER A.
Textile Technology and Chemistry Symposium, 8 - 10 May 2013

Funded Projects

ŞİRİN K., ZEYBEK M. S., ESER A., ÖZKAN A. N., YILDIRIM Y., ŞENGÜN İ., TELLİ F., KIRMIZIGÜL A., TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Üzüm Çekirdeği Atık Kaynaklı Polifenol Katkılı Geri Dönüştürülmüş Polimer Blendlerinin Reaktif Ekstrüzyon ile Fonksiyonelleştirilmesi ve Antimikrobiyal Ambalaj Performanslarının Değerlendirilmesi, 2026 - 2028

AYDEMİR T., ESER A., Project Supported by Higher Education Institutions, BAP Other, Atık Biyokütleden Elde Edilen Biyokömür Katkılı Kitosan Kompozit Taşıyıcı Üzerine İmmobilize Edilen Serin Proteaz Subtilisin Carlsberg'in Deterjan Endüstrisinde Kullanılabilme Potansiyelinin Araştırılması, 2024 - 2025

ESER A., AYDEMİR T., Project Supported by Higher Education Institutions, Atık Biyokütleden Elde Edilen Biyokömür Katkılı Kitosan Kompozit Taşıyıcı Üzerine İmmobilize Edilen Serin Proteaz Subtilisin Carlsberg'in Deterjan Endüstrisinde Kullanılabilme Potansiyelinin Araştırılması, 2024 - 2025

ESER A., DİNÇER A., ÇINAR S., AYDEMİR T., Project Supported by Higher Education Institutions, Atık Biyomateryalden Elde Edilen Biyokömür İle Sulu Çözeltilerden Fenol Uzaklaştırılması, 2022 - 2023

ESER A., DİNÇER A., ÇINAR S., AYDEMİR T., Project Supported by Higher Education Institutions, Kitosan-Perlit Kompozit Boncuklarının Hazırlanması Ve Sulu Çözeltilerden Eritrosin B Boyasının Uzaklaştırılmasında Adsorpsiyon Kinetiğinin İncelenmesi, 2017 - 2018

ESER A., AYDEMİR T., Project Supported by Higher Education Institutions, Farklı Taşıyıcılar Üzerine Serine Proteaz Subtilisin Carlsberg İmmobilizasyonu, Karakterizasyonu, Hidroliz ve Transesterifikasyon Reaksiyonlarındaki Kinetik Özelliklerinin İncelenmesi., 2017 - 2021

ESER A., DİNÇER A., ÇINAR S., AYDEMİR T., Project Supported by Higher Education Institutions, Kitosan-Kil Kompozit Boncuklar İle Sulu Çözeltilerden Ponceau S Boyasının Adsorpsiyon Kinetiğinin İncelenmesi, 2016 - 2016

ESER A., AYDEMİR T., Project Supported by Higher Education Institutions, Bor Stresi Uygulanmış Bitkide Bitki Büyüme Hormonu Ve Bazı Metabolit İlavelerinin Stres Parametreleri Üzerine Etkisinin İncelenmesi, 2012 - 2013

ESER A., ÇELİK A., AYDEMİR T., TİRTOM V. N., ÇINAR S., DİNÇER A., Project Supported by Higher Education Institutions, Üzümlerde Pestisit Tayinine Yönelik Moleküler Damgalı Polimerlerin Sentezlenmesi, 2011 - 2013

Roles in Event Organizations

Eser A., VI. Ulusal Eser Analiz Kongresi, Scientific Congress, Manisa, Turkey, September 2024

Metrics

Publication: 30
Citation (WoS): 122
Citation (Scopus): 137
H-Index (WoS): 4
H-Index (Scopus): 5

Non Academic Experience

Technology Development Zone, Badebio Biotechnology Ltd., Ar-GE, Kimyager