CURRICULUM VITAE AND PUBLICATIONS LIST



CURRICULUM VITAE

Name and Surname: Gamze Çamlık

Academic Title: Assistant Professor

Work Address:

Email: gcamlik@biruni.edu.tr

Certificates Received:
Sinirbilim Kurs Programı, Nörıdejeneratif hastalıklar ve modelleme, Biruni Üniversitesi
Sabancı SUNUM Hücre Kültüründen Saflaştırmaya Biyoteknolojik İlaç Üretim Kursu
6th Workshop on Pulmonary DrugDelivery, Istanbul University
XVII. Deney Hayvanları Kullanım Sertifikası, Deney Hayvanları Kullanım Sertifikası

Area of Expertise:
Biopharmaceutical and Pharmacokinetics
Cosmetology
Health Sciences
Nanotechnology
Other
Pharmaceutical Biotechnology
Pharmaceutical Technology
Pharmaceutics Technology
Pharmacology and Therapeutics

Degree	Department/Program	University	Year
Doctorate	PHARMACEUTICAL TECHNOLOGY (DR)	İstanbul University	2021
Bachelor's Degree	FACULTY OF PHARMACY	Bezmiâlem Vakıf University	2016
Bachelor's Degree	DEPARTMENT OF TEXTILE ENGINEERING	Çukurova University	2009

Doctoral Thesis/Proficiency Study/Medical Specialization Thesis Title (abstract attached) and Supervisor(s):

Alzheimer hastalığında etkili nazal yoldan uygulanabilenhedeflendirilmiş insülin kuantum noktası kompleksinin geliştirilmesi

Position Title	Workplace	Year
Assistant Professor	Biruni University	2021-Continues
Research Assistant	Biruni University	2016-2021

Supervised Doctoral Theses/Proficiency Studies in Arts:

1. NON-STEROİDAL ANTİENFLAMATUAR İLAÇLARIN KUANTUM NOKTALARININ YARA İYİLEŞTİRİCİ

ETKİLERİ (2027)

Roles in Projects:

1. *"Siklo-Olefin Kopolimer Elastomer Esaslı Transdermal Ilaç Taşıyıcı Sistem Geliştirilmesi"*, TUBITAK Project, Çamlık G., 2023-Continues.

2. *Aşılarda Kullanılmak Üzere Kuantum Nokta İçeren Steril Enjeksiyonluk İlaç Formülasyonlarının Hazırlanması*, TUBITAK Project, Değim İ. T. (Executive), Solak M., Çamlık G., Ayaz F., Bilakaya B., 2022-2024.

3. *Diyabet Tedavisinde Oral Yoldan Uygulanabilen İnsülin-Karbon Quantum Formülasyonun Geliştirilmesi*, TUBITAK Project, Değim İ. T. (Executive), Çamlık G., Bilakaya B., 2018-2021.

4. *Amfifilik Blok Kopolimerlerin Sentezi Için Iniferter Polimerizasyonu ile"Click" Reaksiyonlarının Birlestirilmesi*, TUBITAK Project, Çamlık G., 2015-2016.

Administrative Duties:

1. Exam Schedule Preparation Committee Member - Biruni University (2023 - Continues)
2. Member of the Program Accreditation-Self-Assessment Committee - Biruni University (2023 - Continues)
3. Vice Dean - Biruni University (2023 - Continues)
4. Other Academic Position - Biruni University (2023 - Continues)
5. Faculty Executive Board Member - Biruni University (2023 - Continues)
6. Head of Main Science/Science Department - Biruni University (2022 - Continues)
7. Faculty Executive Board Member - Biruni University (2022 - Continues)
8. Internship Committee Member - Biruni University (2016 - Continues)

PUBLICATIONS

A. Articles published in international peer-reviewed journals:

A1. Ayaz F., Kavrak B., Bilakaya B., Çamlık G., Özarslan F. S., Değim İ. T., "Immunomodulatory activities of carbon quantum dots on the primary macrophages and whole splenocytes", *Immunologic Research*, vol. 73, no. 1, 2025.

A2. Doğanay D., Avşar İ. S., Özcan Aykol Ş. M., Çamlık G., Bilakaya B., Değim İ. T., "The effects of the combined use of carbon quantum dots and antibacterial agents on pathogenic bacteria", *Turkısh Journal of Biology*, vol. 49, no. 6, pp. 728-737, 2025.

A3. Çamlık G., Bilakaya B., Karaotmarlı Güven G., Küpeli Akkol E., Değim Z., Sobarzo-sánchez E., Değim İ. T., "Quantum Drugs (Q-Drugs): A New Discovery and Taboo Breaking Approach; Producing Carbon Quantum Dots from Drug Molecules", *Pharmaceuticals*, vol. 18, no. 6, 2025.

A4. Muhar A. M., Velaro A. J., Prananda A. T., Nugraha S. E., Çamlık G., Wasnik S., Abidin S. Z., Sjofjan O., Harahap M. A. Y., Syahrian M. F. vd., "Polyscias scutellaria: An emerging source of natural antioxidants and anti-inflammatory compounds for health", *Pharmacia*, vol. 70, no. 4, pp. 1463-1470, 2023.

A5. Çamlık G., Akkol E. K., Değim Z., Degim I. T., "Can Carbon Quantum Dots (CQDs) or Boron Compounds be an Ultimate Solution for COVID-19 Therapy?", *Iranian Journal of Pharmaceutical Research*, vol. 20, no. 4, pp. 9-20, 2021.

A6. Yerlikaya F., Çamlık G., Akkol E. K., Değim Z., Değim İ. T., Sobarzo-sánchez E., "Formation of quantum water in nanoparticulate systems", *Journal of Drug Delivery Science and Technology*, vol. 63, 2021.

A7. Çamlık G., Akkol E., Değim Z., Değim İ. T., "Can Carbon Quantum Dots (CQDs) or Boron Compounds be an Ultimate Solution for COVID-19 Therapy?", *IRANIAN JOURNAL OF PHARMACEUTICAL RESEARCH*, vol. 20, no. 4, pp. 9-20, 2021.

C. National/international books written or chapters in books:

C2. Chapters in national/international books written:

C2.1. Çamlık G., Bilakaya B., Uyar P., Değim Z., Değim İ. T., Uyar P., "New generation of composite carbon quantum dots for imaging, diagnosing, and treatment of cancer", *Functionalized Nanomaterials for Cancer Research Applications in Treatments, Tools and Devices*, Elsevier, Massachusetts, 2024.

C2.2. Durgun Kılıç M. E., Çamlık G., Değim İ. T., Erginer Y., "Nose-to-Brain Delivery of Peptides and Proteins", *Nasal Drug Delivery Formulations, Developments, Challenges, and Solutions*, Springer, Cham, 2023.

C2.3. Değim Z., Değim İ. T., Çamlık G., "Farmakolojiye Giriş", *Sağlık Bilimleri için Temel Farmakoloji*, Ankara Nobel Tıp Kitapevleri, İstanbul, 2021.

D. Articles published in national peer-reviewed journals:

D1. Çamlık G., "Bromelain-Derived Carbon Quantum Dots in Hydrogel Formulations for Enhanced Wound Healing", *Istanbul University Press Experimed*, vol. 15, no. 3, pp. 276-286, 2025.

D2. Çamlık G., Karaotmarlı Güven G., Bilakaya B., Çağlar E. Ş., Boran T., Üstündağ Okur N., Değim İ. T., "Development and Characterization of Indomethacin Quantum Dot Loaded Hydrogel İndometazin Kuantum Nokta Yüklü Hidrojelin Geliştirilmesi ve Karakterizasyonu", *Fabad Journal of Pharmaceutical Sciences*, 2025.

D3. Çamlık G., Beyazaslan F., Kara E., Ülker D., Albayrak İ., Değim İ. T., "A Validated High-Pressure Liquid Chromatography (HPLC) Method for Molnupiravir", *Medical Research Archives*, vol. 10, pp. 1-9, 2022.

D4. Çamlık G., "A smarter, tactical approach for combating Covid-19", *İstanbul Journal of Pharmacy*, vol. 52, no. 3, pp. 357-361, 2022.

D5. Değim Z., Değim İ. T., Çamlık G., Uslu A., "New Usages for Known Drug Molecules", *International Journal of Basic and Clinical Studies*, vol. 7, no. 1, pp. 7-23, 2018.