



CURRICULUM VITAE

Name and Surname: Zelihağül DEĞİM
Date of Birth: 1961
Academic Title: Professor Dr.
Work Address:
Email: zdegim@biruni.edu.tr
Foreign Languages Known (Score and Year): English, B2 Upper Intermediate, 2000
Area of Expertise: Health Sciences

Degree	Department/Program	University	Year
Doctorate	ECZACILIK TEKNOLOJİSİ BÖLÜMÜ	Gazi University	1994
Master's Degree	ECZACILIK TEKNOLOJİSİ BÖLÜMÜ	Gazi University	1988
Bachelor's Degree	ECZACILIK PR. (4 YILLIK)	Hacettepe University	1984

PUBLICATIONS

A. Articles published in international peer-reviewed journals:

- A1. "Can Carbon Quantum Dots (CQDs) or Boron Compounds be an Ultimate Solution for COVID-19 Therapy?", Iranian Journal of Pharmaceutical Research, 2021.
- A2. "Formation of quantum water in nanoparticulate systems", Journal of Drug Delivery Science and Technology, 2021.
- A3. "Tamoxifen/raloxifene loaded liposomes for oral treatment of breast cancer", Journal of Drug Delivery Science and Technology, 2020.
- A4. "Development and validation of highly selective method for the determination of imatinib mesylate and dexketoprofen trometamol combination in three different media", Brazilian Journal of Pharmaceutical Sciences, 2020.
- A5. "Efficacy of targeted liposomes and nanocochleates containing imatinib plus dexketoprofen against fibrosarcoma", Drug Development Research, 2019.
- A6. "Development of nanocochleates containing erlotinib HCl and dexketoprofen trometamol and evaluation of in vitro characteristic properties Erlotinib HCl ve deksketoprofen trometamol içeren nanokohleatların geliştirilmesi ve in vitro karakteristik özelliklerinin değerlendirilmesi", Turkish Journal of Pharmaceutical Sciences, 2018.
- A7. "Effects of insulin and embryonic stem cells loaded plga nanoparticles on pancreatic beta TC cells", Acta Poloniae Pharmaceutica - Drug Research, 2018.
- A8. "The Effectiveness of Raloxifene-Loaded Liposomes and Cochleates in Breast Cancer Therapy", AAPS PharmSciTech, 2016.
- A9. "Retinal ganglion cell protection via topical and systemic alpha-tocopherol administration in optic nerve crush model of rat Rat optik sinir ezme modelinde topikal ve sistemik alfa tokoferol uygulaması yoluyla retina gangliyon hücre korunması", Türk Oftalmoloji Dergisi, 2013.
- A10. "Nanoparticle and liposome formulations of doxycycline: Transport properties through Caco-2 cell line and effects on matrix metalloproteinase secretion", Biomedicine and Pharmacotherapy, 2013.
- A11. "Evaluation of chitosan gel containing liposome-loaded epidermal growth factor on burn wound healing", International Wound Journal, 2011.
- A12. "New perspective for the treatment of Alzheimer diseases: Liposomal rivastigmine formulations", Drug Development and Industrial Pharmacy, 2011.

- A13. "Immunohistochemistry of EGF receptor and fibronectin in wounds healing treated with chitosan and taurine-chitosan", Gazi Medical Journal, 2011.
- A14. "Investigation of liposome formulation effects on rivastigmine transport through human colonic adenocarcinoma cell line (CACO-2)", Pharmazie, 2010.
- A15. "Transport evaluation of alendronate across Caco-2 cell monolayers", Pharmazie, 2009.
- A16. "Use of microparticulate systems to accelerate skin wound healing", Journal of Drug Targeting, 2008.
- A17. "Investigation of epidermal growth factor containing liposome formulation effects on burn wound healing", Journal of Biomedical Materials Research - Part A, 2008.
- A18. "An investigation on burn wound healing in rats with chitosan gel formulation containing epidermal growth factor", Burns, 2006.
- A19. "Rectal and vaginal administration of insulin-chitosan formulations: An experimental study in rabbits", Journal of Drug Targeting, 2005.
- A20. "Prediction of permeability coefficients of compounds through Caco-2 cell monolayer using artificial neural network analysis", Drug Development and Industrial Pharmacy, 2005.
- A21. "Caco-2 cell culture as a model for Famotidine absorption", Drug Delivery: Journal of Delivery and Targeting of Therapeutic Agents, 2005.
- A22. "The effect of various liposome formulations on insulin penetration across Caco-2 cell monolayer", Life Sciences, 2004.
- A23. "An investigation on skin wound healing in mice with a taurine-chitosan gel formulation", Amino Acids, 2002.
- A24. "pH-Metric logK calculations of famotidine, naproxen, nizatidine, ranitidine and salicylic acid", Farmaco, 2001.
- A25. "An investigation of the interfacial interaction between poly(acrylic acid) and glycoprotein", International Journal of Pharmaceutics, 1998.

D. Articles published in national peer-reviewed journals:

- D1. "Development of liposome formulations of tamoxifen and assessment of CACO-2 cell transportation properties", Fabad Journal of Pharmaceutical Sciences, 2018.
- D2. "Development of cisplatin-loaded liposome and evaluation of transport properties through Caco-2 cell line Cisplatin yüklü lipozom geliştirilmesi ve Caco-2 hücre hattından geçiş özelliklerinin değerlendirilmesi", Turkish Journal of Pharmaceutical Sciences, 2016.
- D3. "Liposomes containing imatinib mesylate and dexketoprofen trometamol: Development and characterization", Fabad Journal of Pharmaceutical Sciences, 2013.
- D4. "Biodegradable polymeric nanoparticles are effective systems for controlled drug delivery", Fabad Journal of Pharmaceutical Sciences, 2013.
- D5. "Nanoparticle and liposome formulation of doxycycline and investigation of transport properties through caco-2 cell lines", Fabad Journal of Pharmaceutical Sciences, 2010.
- D6. "The humoral immun response of mice to liposomes containing Brucella melitensis outer membrane fragments", Journal of Animal and Veterinary Advances, 2008.
- D7. "Evaluation of the viability of L-929 cells in the presence of alendronate and absorption enhancers", Fabad Journal of Pharmaceutical Sciences, 2006.
- D8. "Bioavailability file: Rivastigmine tartrate", Fabad Journal of Pharmaceutical Sciences, 2005.
- D9. "Comparing topical lidocaine formulations by investigating their invitro diffusion properties and invivo effects", Gulhane Medical Journal, 2002.
- D10. "The release of famotidine from poly(acrylic acid) microspheres", Acta Pharmaceutica Turcica, 1998.