



1. Name - Surname	Zeynep ÜLKER DEMİR
2. Date of Birth	09.11.1984
3. Title	Assistant Professor
4. Faculty	School of Pharmacy
5. Department	Pharmaceutical Biotechnology

	Degree	Department	University	Date
4. Educational Background	Bachelor's Degree	Chemical and Biological Engineering	Koç University	2009
	Master's Degree	Chemical and Biological Engineering	Koç University	2011
	PhD	Chemical and Biological Engineering	Koç University	2015

	Title	University	Date
5. Academic Appointments	Assistant Professor	Altınbas University	04.04.2017
	Associate Professor		
	Professor		

6. Theses Advised (Postgraduate and Doctoral Theses)	Thesis Title	Advisor	Date
6. 1. Postgraduate Theses			

6. Theses Advised (Postgraduate and Doctoral Theses)	Thesis Title	Advisor	Date
6. 2. Doctoral Theses			

		<b>Paper / Abstract Title</b>	<b>Journal / Conference Title</b>	<b>Place</b>	<b>Date of Publication</b>	<b>Pages</b>	<b>Co-Author</b>
<b>7. Yayınlar</b>	<b>7.1 Articles published in international peer-reviewed journals</b>	Synthesis and Characterization of Nonwoven Cotton-Reinforced Cellulose Hydrogel for Wound Dressings	Polymers		2021	13, 4098.	Ahmad, F.; Mushtaq, B.; Butt, F.A.; Zafar, M.S.; Ahmad, S.; Afzal, A.; Nawab, Y.; Rasheed, A
		Development and Validation of Retention Models in Supercritical Fluid Chromatography for Impregnation Process Design	Appl. Sci.		2021	11, 7106	Sun, M.; Chen, Z.; Deeptanshu, S.; Johannsen, M.; Erkey, C.; Gurikov, P
		A novel composite of alginate aerogel with PET nonwoven with enhanced thermal resistance	Journal of Non Crystalline Solids		2018	491, 7-13	F. Ahmad, Z. Ulker, C. Erkey.
		An advantageous technique to load drugs into aerogels: Gas antisolvent crystallization inside the pores	J. of Supercritical Fluids		2017	120, 2, 310-319	Zeynep Ulker, Can Erkey
		Monolithic composites of silica aerogel with poly (methyl vinyl ether) and the effect of polymer on supercritical drying	J. of Supercritical Fluids		2017	105,108-118	Yaprak Ozbakir, Zeynep Ulker, Can Erkey
		Experimental and Theoretical Investigation of Drug Loading to Silica Alcogels, J. of Supercritical Fluids,	J. of Supercritical Fluids		2015	106, 34-41	Zeynep Ulker, Can Erkey
		An Emerging Platform for Drug Delivery: Aerogel Based Systems.	J. of Controlled Release		2014	177 51-63	Zeynep Ulker, Can Erkey
		A Novel Hybrid Material: An Inorganic Silica Aerogel Core Encapsulated with a Tunable Organic Alginate Aerogel Layer	RSC Adv		2014	4 (107), 62362-62366	Zeynep Ulker, Can Erkey
		Three-Dimensional Optofluidic Waveguides in Hydrophobic Silica Aerogels via Supercritical Fluid Processing	J. of Supercritical Fluids		2013	(73)28-33	Gamze Eris, Deniz Sanli, Zeynep Ulker, Selmi Erim Bozbag, Alexandr Jonáš, Alper

							Kiraz, Can Erkey
		Novel Nanostructured Composites of Silica Aerogels with a Metal Organic Framework	Microporous and Mesoporous Materials		2013	170, 11	Zeynep Ulker, İlknur Eruçar, Seda Keskin and Can Erkey
	<b>7.2. Articles published in other international peer-reviewed journals</b>	Kinetics of Supercritical Drying of Gels,	Gels.		2018	4, 1	İbrahim Şahin, Yaprak Özbakır, Zeynep İnönü, Zeynep Ulker, Can Erkey.
	<b>7.3. Abstracts/papers presented in international academic conferences and published in conference proceedings</b>	Tragacanth gum and alginate based composite aerogels as novel controlled drug release systems	International Conference on Aerogels for Biomedical and Environmental Applications	Santiago de Compostela	2020		Zeynep Ulker, Genada Sinani
		Novel tragacanth aerogels for drug delivery.	NanoTR14	İzmir	2018		Zeynep Ulker
		A new technique to incorporate substances in porous supports: Gas antisolvent crystallization inside of the pores	ISSF 2015	Seoul	2015		Zeynep Ulker, Can Erkey,
		Development of Drug Delivery Devices based on Nanoporous Alginate Aerogels.	PPM 2015.	İzmir	2015		Zeynep Ulker, Can Erkey
		Nanostructured Aerogels as Drug Delivery Systems	Nanobiotechnology Days	İstanbul, Kemerburgaz University	2015		Zeynep Ulker, Can Erkey
		A Novel Layered Aerogel System for Controlled Drug Delivery	International Seminar on Aerogels (2014) (Poster).	Technical University of Hamburg, Harburg	2014		Zeynep Ulker, Yaprak Ozbakır, Can Erkey
		Study of Adsorption on Aerogels by Supercritical Fluid Chromatography,	International Seminar on Aerogels	Technical University of Hamburg, Harburg	2014		Pavel Gurikov, Zeynep Ulker Can Erkey, Irina Smirnova
		Novel Micro- and Mesoporous Composites of Silica aerogel with a Metal Organic Framework	IUPAC	İstanbul	2013		Zeynep Ulker, İlknur Eruçar, Seda Keskin, Can Erkey

		Nanostructured Composites of Silica Aerogels With Poly(vinyl pyrrolidone),	ISSF, 10th International Symposium on Supercritical Fluids	US, San Francisco	2012		Zeynep Ulker, Deniz Sanli, Can Erkey
		Nanostructured Composites of Silica Aerogels with Polymers as Core Materials for Vacuum Insulation Panels for Buildings	NICOM4, 4th International Symposium on Nanotechnology in Construction	Greece	2012		Zeynep Ulker, Deniz Sanli, Roland Andersson, Leif Gullberg, Can Erkey,
		PEG-Hydrogel Coated Silica Aerogels: A Novel Drug Delivery System	13th European Meeting on Supercritical Fluids,	Netherlands	2012		Deniz Sanli, Zeynep Ulker, Seda Giray, Seda Kızılel, Can Erkey
	<b>7.4. Articles published in national peer-reviewed journals</b>						
	<b>7.5. Articles published in national peer-reviewed journals</b>						
	<b>7.6. Abstracts/papers presented in national academic conferences and published in conference proceedings</b>	Nanoyapılı Silika Aerojel MOF Kompozitleri	10th National Conference on Chemical Engineering	İstanbul	2012		Zeynep Ulker, İlknur Eruçar, Seda Keskin, Can Erkey
	<b>7.6. Abstracts/papers presented in national academic conferences and published in conference proceedings</b>	Sol-Jel Parametrelerinin Silika Aerojellerin Özellikleri Üzerindeki Etkileri.	10th National Conference on Chemical Engineering	İstanbul	2012		Metin Karayılan, Deniz Sanli, Zeynep Ulker, Can Erkey,
	<b>7.7. Other publications</b>						
	<b>7.12. Chapters from an internationally published book</b>	Applications of Aerogels and Their Composites in Energy-Related Technologies” Supercritical Fluid Technologies for Energy and Environmental Applications. Chapter 8 (ISBN: 978-0-444-62696-7)	Publisher: Elsevier Editors: Anikeev V, Fan M		2013		Zeynep Ulker, Deniz Sanli, and Can Erkey

<b>8. Projects</b>	2019 - 2020 Scientific Research Project funded by Altınbaş University, Preparation and Characterization of Tragacanth Aerogels as Drug Delivery Systems (PI)
	2019 - 2023 Cost Action AERoGELS, Advanced Engineering and Research of Aerogels for Environment and Life Sciences (Researcher, Management Committee member)
	2015 - 2016 NANOHYBRIDS: Development of new generation of nanoporous organic and hybrid aerogels for various applications. The project is funded by EU's Framework Programme for Research and Innovation Horizon 2020 Call (Research assistant, PhD)
	2009-2013 NANOINSULATE: Development of Nanotechnology-based High-performance Opaque & Transparent Insulation Systems for Energy-efficient Buildings Collaborative Research Project granted by European Commission 7th Framework Programme for Research, Technological Development and Demonstration (FP7) (Master/PhD Student)
	2009-2013 TRANSVIP: Development of Transparent Vacuum Insulation Panels German-Turkish Research and Development project involving science and industry (2+2 projects) in selected scientific fields within the framework of the Turkish-German Scientific and Technological Cooperation (Master/PhD Student)

	<b>Role</b>	<b>Organization</b>	<b>Date</b>
<b>9. Appointments to an administrative office</b>	Faculty of Pharmacy, Bologna Coordinator	Altınbaş Üniversitesi	2020-
	Faculty of Pharmacy, Member of Budget Committee	Altınbaş Üniversitesi	2018-
	Faculty of Pharmacy, Member of Laboratory Committee	Altınbaş Üniversitesi	2018-
	Faculty of Pharmacy, Member of Accreditation Committee	Altınbaş Üniversitesi	2017
	Faculty of Pharmacy, Member of Community Pharmacy Internship	Altınbaş Üniversitesi	2017-
	Faculty of Pharmacy, Member of CO-OP Committee	Altınbaş Üniversitesi	2020-

	<b>Name of Organization</b>	<b>Role</b>	<b>Date</b>
<b>10. Professional Affiliations and Memberships</b>	<b>10.1. Professional Affiliations and International Memberships</b>		
	<b>10.2. Visiting Positions</b>	Technical University Hamburg, Harburg	Visiting research assistant
	<b>10.3. Peer-reviewer positions</b>	Carbohydrate Polymers, Materials Letter	

	<b>Name of Fellowship/Award/Programme</b>	<b>Date</b>
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<b>11. Grants, Fellowships and Awards</b>	TUBITAK BİDEB Scholarship for Master Students	2009-2011
	TUBITAK BİDEB Scholarship for Master Students	2011-2015
	Koç University Excellence Scholarship	2011-2015
	Best oral presentation award	February 2020

	Academic Year	Semester	Course Title	Graduate and doctoral level courses taught by the candidate
<b>12. Courses taught within the last 2 years</b>	<b>2019-2020</b>	<b>Fall</b>	PHAR361 Pharmaceutical Technology I	ECZ611 Biyofarmasötikler
			PHAR585 Graduation Project I	ECZ620 Biyolojik Bariyerlerin Aşılması
			PHAR261 Introduction to Pharmaceutical Technology	
			PHAR479 Drug Development: From Molecules to Marketing	
			PHAR442 Pharmaceutical Biotechnology	
			IHS100 Introduction to Health Sciences	
		<b>Spring</b>	PHAR362 Pharmaceutical Technology II	ECZ627 Nano İlaçlar ve Hedeflenmiş nano taşıyıcı sistemler
			PHAR494 Biomaterials	
			PHAR502 Graduation Project II	
			PHAR124 Pharmaceutical Terminology	
	<b>2020-2021</b>	<b>Fall</b>	PHAR361 Pharmaceutical Technology I	ECZ611 Biyofarmasötikler
			PHAR585 Graduation Project I	
			PHAR261 Introduction to Pharmaceutical Technology	
			PHAR479 Drug Development: From Molecules to Marketing	
			PHAR442 Pharmaceutical Biotechnology	
			IHS100 Introduction to Health Sciences	
		<b>Spring</b>	PHAR362 Pharmaceutical Technology II	ECZ624 Akılcı İlaç Tasarımı
			PHAR494 Biomaterials	
			PHAR502 Graduation Project II	
			PHAR124 Pharmaceutical Terminology	
PHAR442 Pharmaceutical Biotechnology				