

**ACADEMIC  
CURRICULUM VITAE**

**1. Name - Surname:** Meltem Kucuk

**2. Title:** Assistant Professor

**3. Educational Background:**

Degree	Department/Program	University	Year
Bachelor's	Dentistry	Hacettepe University	2010
PhD	Endodontics	Near East University	2018

**4. Master's / PhD Thesis**

**4.1. PhD Thesis Title:** The Efficacy of Different Irrigation Methods on Dentinal Tubule Penetration of 2% Chlorhexidine, QMix, and Irritrol: A Confocal Laser Scanning Microscopy Study.

**5. Academic Titles:**

Date of Assistant Professorship: February 16, 2021

**6. Publications**

**6.1. Articles Published in International Peer-Reviewed Journals (SCI, SSCI, AHCI, ESCI, Scopus)**

**6.1.1.** Kucuk, M., Ratakonda, M., & Piasecki, L. (2024). Teaching a new obturation technique in preclinical endodontic training: assessment of student learning experience, performance, and self-evaluation. *Journal of Endodontics*, 50(11), 1634-1641.

**6.1.2.** Erdag, E., **Kucuk, M.**, Aksoy, U., Abacioglu, N., & Ozer, A. (2023). Docking Study of Ligands Targeting NLRP3 Inflammatory Pathway for Endodontic Diseases. *Chem Methodol*, 7(3), 200-210.

**6.1.3. Küçük, M.**, Aksoy, U., & Şehirli, A. Ö. (2022). Possible protective effects of the Bmal1 gene and melatonin on the prognosis of apical periodontitis. *Medical Hypotheses*, 162, 110806.

**6.1.4.** Saricam, E., Yusufoglu, S. İ., **Kucuk, M.**, Geneci, F., Mert, O., & Celik, H. H. (2022). Micro-computed tomography assessment of triple antibiotic paste removal using different irrigation methods. *European Oral Research*, 56(1), 49-54.

**6.1.5. Kucuk, M.,** Tunca, Y. M., Erdem, O., Cetinkaya, S., & Demirkaya, K. (2021). Efficacy of preheated chelating agents on calcium ion removal from instrumented root canals. *Journal of Clinical and Experimental Dentistry*, 13(10), e1015.

**6.1.6. Saricam, E., Küçük, M., & Akyol, M.** (2021). Evaluation of EDTA, QMix, and Irritrol solutions activated with Er, Cr: YSGG and diode lasers on the push-out bond strength of filling material. *Microscopy Research and Technique*, 84(4), 584-591.

**6.1.7. Aksoy, U., Küçük, M.,** Versiani, M. A., & Orhan, K. (2021). Publication trends in micro-CT endodontic research: a bibliometric analysis over a 25-year period. *International Endodontic Journal*, 54(3), 343-353.

**6.1.8. Kermeoglu, F., Küçük, M.,** Aksoy, U., & Orhan, K. (2021). Effect of Different Obturation Techniques on Dentinal Tubule Penetrations of MTA Fillapex and AH Plus. *Cyprus Journal of Medical Sciences*, 6(4), 331-336.

**6.1.9. Küçük, M., & Kermeoğlu, F.** (2019). Efficacy of different irrigation methods on dentinal tubule penetration of Chlorhexidine, QMix and Irritrol: A confocal laser scanning microscopy study. *Australian Endodontic Journal*, 45(2), 202-208.

## **6.2. Articles Published in Other International Peer-Reviewed Journals**

**6.2.1. Küçük, M.,** Aksoy, U., & Şehirli, A. Ö. (2023). Pelargonium sidoides: A possible preventive role in the development of endodontic flare-up. *Turkish Endodontic Journal (TEJ)*, 8(3), 159-166.

## **6.3. Papers Presented at International Scientific Conferences and Published in Conference Proceedings**

**6.3.1. Küçük M.** Development Of Antimicrobial Hydrogels For Pulp Regeneration: A Bibliometric Analysis. 16th International Congress of the Turkish Endodontic Society, 25-28 May, 2025 Antalya/Türkiye (Oral Research).

**6.3.2. Ayaz SN, Küçük M,** Aksoy U. Assessing Patient Knowledge and Perceptions of Endodontics in Northern Cyprus. 15th International Congress of the Turkish Endodontic Society, 8-10 June, 2023 Bursa/Türkiye (Oral Research).

**6.3.3. Erdag E, Kucuk M,** Aksoy U, Abacioglu N, Sehirli AO. An in-silico evaluation of ligands targeting the NLRP3/caspase-1 inflammasome pathway in the management of endodontic

diseases. 5th International Eurasian Conference on Biological and Chemical Sciences. November 23-25, 2022 Ankara/Türkiye (Oral Research).

**6.3.4.** Alhabib, Y., Unsal, G., Temelci, A., & **Kucuk, M.** Treatment of a Secondarily Infected Nasopalatine Duct Cyst: A Case Report. the International Conference on General Health Sciences (ICGeHeS). June 10- 13, 2021 İstanbul/Türkiye (Oral Research).

**6.3.5.** Çalışkan, A., **Küçük, M.**, & Alagöz, L. G. Endodontic and Restorative Treatment of Mandibular First Molar Tooth with Radix Entomolaris Variation: A Case Report. International Hippocrates Congress on Medical and Health Sciences, 1-3 of March 2019 Ankara/Türkiye (Oral Research).

**6.3.6.** **Kucuk M**, Tunca YM, Kermeoğlu F & Cosan G. Evaluation of Penetration Depth of Final Irrigation Solutions into Dentinal Tubules. The 14th International Congress of Turkish Endodontic Society. 24-27 April 2019 İstanbul/Türkiye (Poster).

**6.3.7.** Kermeoğlu F, Kalender A, Aksoy U & **Küçük M.** The Effect of Two Different Concentrations of Sodium Hypochloride Irrigation Solutions on Fracture Resistance of Endodontically Treated Teeth. 13th International Congress of the Turkish Endodontic Society, 26- 29 of May 2016 Nevşehir/Türkiye (Poster).

#### **6.4. Articles Published in National Peer-Reviewed Journals**

**6.4.1.** **Küçük, M.**, Kermeoğlu, F., Kalender, A., & Aksoy, U. (2020). Effect of Sodium Hypochlorite Solutions in Different Concentrations on The Fracture Resistance of Endodontically Treated Teeth. Ankara University Faculty of Dentistry Journal, 47(1-3), 69-74.

**6.4.2.** **Küçük, M.**, Kermeoğlu, F., & Kalender, A. (2016). Contemporary Irrigation Solutions, Systems and Devices Used in Endodontics. Annals of Health Sciences Research, 5(1), 29-37.

#### **7. Projects**

**7.1.** Researcher in the Doctoral Thesis Research Project titled " The Efficacy of Different Irrigation Methods on Dentinal Tubule Penetration of 2% Chlorhexidine, QMix, and Irritrol: A Confocal Laser Scanning Microscopy Study" (Project No: SAG-2017-01-044), supported within the scope of Near East University Scientific Research Projects.

**8. Memberships in Scientific and Professional Organizations****8.1.** The Chamber of Turkish Cypriot Dentists (2010-Present)**9. Awards****9.1.** Near East University, Publication Award, 2021**9.2.** Near East University, Young Researcher Award, 2019**9.3.** European Union Scholarship for the Turkish Cypriot Community, 2018**13. Undergraduate and Graduate Courses Taught in the Last Two Years**

Academic Year	Semester	Course Name	Weekly Hours		Number of Students
			Theoretical	Practical	
<b>2023- 2024</b>	<b>Spring</b>	2nd Year Theoretical Committee Diseases and Treatments of Dental Tissues	1	-	95
	<b>Fall</b>	4th Year Endodontics Clinic	-	4	189
	<b>Spring</b>	4th Year Endodontics Clinic	-	4	189
<b>2024- 2025</b>	<b>Güz</b>	3rd Year Theoretical Committee Diseases and Treatments of Dental Tissues	1	-	92
	<b>Güz</b>	2nd Year Practical Committee Endodontics	-	4	150
	<b>Bahar</b>	2nd Year Practical Committee Endodontics	-	4	150