

**ACADEMIC
CURRICULUM VITAE**

1. Name - Surname: Meltem Kucuk

2. Title: Associate 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

Date of Associate Professorship: March 5, 2026

6. Publications

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

6.1.1. Kucuk, M. (2025). Evaluation of Agreement Between Peer and Faculty Assessments in Preclinical Endodontic Education: A Pilot Study. *Selcuk Dental Journal*, 12(4), 46-49.

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

13. Undergraduate and Graduate Courses Taught in the Last Two Years

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