

CURRICULUM VITAE

1. **Name - Surname:** Fatma BASMACI
2. **Date of Birth:** 06.04.1986
3. **Title:** Assoc. Prof. Dr.
4. **Currently Employed Institution:** Near East University, Faculty of Dentistry
5. **Education status:** PhD

Degree	Degree Field	University	Year
Licence	Dentist	Hacettepe University	2008
Master of Science	Dentist	Hacettepe University	2008
Doctorate	Endodontic Dentistry	Near East University	2013
Assistant professor	Endodontic Dentistry	Near East University	2015
Associate professor	Endodontic Dentistry	Near East University	2022

6. Master's / Doctoral Theses

6.1. PhD Thesis Title and Advisor(s): Ex vivo evaluation of various instrumentation techniques and irrigants in reducing *E. faecalis* within root canals (2013). Prof. Dr. Meltem Dartar Öztan

7. Academic Titles

Assist. Prof. Dr.: 25/06/2015

Assoc. Prof. Dr.: 14/10/2022

8. Publications

8.1. Articles published in international peer-reviewed journals (SCI, SSCI, Arts and Humanities)

- Kalender, A., Orhan, K., Aksoy, U., **Basmaci, F.**, Er, F., Alankus, A. (2013). In-fluence of the quality of endodontic treatment and coronal restorations on the prevalence of apical periodontitis in a Turkish Cypriot population. *Medical Principles and Practice*, 22(2), 173-177. doi: 10.1159/000341753.
- **Basmaci, F.**, Öztan, M.D., Kıyan, M. (2013). Ex vivo evaluation of various in-strumentation techniques and irrigants in reducing *E. faecalis* within root canals. *International Endodontic Journal*, 46(9), 823-830. doi: 10.1111/iej.12067.
- Kalender, A., Öztan, M.D., **Basmaci, F.**, Aksoy, U., Orhan, K. (2014). CBCT evaluation of multiple idiopathic internal resorptions in permanent molars: case report. *BMC Oral Health*, 16(14), 39. doi: 10.1186/1472-6831-14-39.
- Kalender, A., Celikten, B., Tufenkci, P., Aksoy, U., **Basmaci, F.**, Kelahmet, U., Orhan, K. (2016). Cone beam computed tomography evaluation of maxillary molar root canal morphology in a Turkish Cypriot population. *Biotechnology & Biotechnological Equipment*, 30(1), 145-50. doi: 10.1080/13102818.2015.1092885.
- Celikten, B., Tufenkci, P., Aksoy, U., Kalender, A., **Kermeoglu, F.**, Dabaj, P., Orhan, K. (2016). Cone beam CT evaluation of mandibular molar root canal morphology in a Turkish Cypriot population. *Clinical Oral Investigations*, 20(8), 2221-2226. doi: 10.1007/s00784-016-1742-2.

- Aksoy, U., **Kermeoğlu, F.**, Kalender, A., Eren, H., Kolsuz, M.E., Orhan, K. (2017). Cone-beam computed tomography evaluation of palatogingival grooves: a retrospective study with literature review. *Oral Radiology*, 33(3), 193-198. doi: 10.1007/s11282-017-0288-6.
- 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. doi: 10.1111/aej.12309.
- Şehirli, A.Ö., Aksoy, U., **Kermeoğlu, F.**, Kalender, A., Savtekin, G., Özkayalar, H., Sayiner, S. (2019). Protective effect of alpha-lipoic acid against apical periodontitis-induced cardiac injury in rats. *European Journal of Oral Science*, 127(4), 333-339. doi: 10.1111/eos.12618.
- Aksoy, U., Savtekin, G., Şehirli, A.Ö., **Kermeoğlu, F.**, Kalender, A., Özkayalar, H., Sayiner, S., Orhan, K. (2019). Effects of alpha-lipoic acid therapy on experimentally induced apical periodontitis: a biochemical, histopathological and micro-CT analysis. *International Endodontic Journal*, 52(9), 1317-1326. doi: 10.1111/iej.13121.
- **Kermeoğlu, F.**, Aksoy, U., Sebai, A., Savtekin, G., Özkayalar, H., Sayiner, S., Şehirli, A.Ö. (2021). Anti-inflammatory effects of melatonin and 5-methoxytryptophol on lipopolysaccharide-induced acute pulpitis in rats. *Biomed Research International*, 2021, 8884041. doi: 10.1155/2021/8884041.
- **Kermeoğlu, F.**, Abduljalil, M. (2021). Impacts of NaOCl and Irritrol irrigation solutions with/without autoclave sterilisation on the cyclic fatigue resistance of different nickel-titanium files. *Australian Endodontic Journal*, 2021, 10.1111/aej.12580. doi:10.1111/aej.12580.
- Andac, G., Kalender, A., Baddal, B., **Basmacı, F.** (2022). Impact of Different Access Cavity Designs and Ni–Ti Files on the Elimination of *Enterococcus faecalis* from the Root Canal System: An In Vitro Study. *Applied Sciences*, 12(4), 2049. doi: 10.3390/app12042049.
- **Kermeoğlu, F.**, Sayiner, S., Şehirli, A.Ö., Savtekin, G., Aksoy, U. (2022). Does α -lipoic acid therapeutically effective against experimentally induced-acute pulpitis in rats? *Australian Endodontic Journal*, 10.1111/aej.12618. doi:10.1111/aej.12618.
- Koruk, D., **Basmacı, F.**, Kırmızı, D., & Aksoy, U. (2022). The Impact of Laser-Activated and Conventional Irrigation Techniques on Sealer Penetration into Dentinal Tubules. *Photobiomodulation, photomedicine, and laser surgery*, 40(8), 565–572. <https://doi.org/10.1089/photob.2022.0017>
- Sakalli, B., **Basmacı, F.**, & Dalmizrak, O. (2022). Evaluation of the penetration of intracoronary bleaching agents into the cervical region using different intraorifice barriers. *BMC oral health*, 22(1), 266. <https://doi.org/10.1186/s12903-022-02300-4>
- Abduljalil, M., Andac, G., **Basmacı, F.** (2023). Impacts of different Nickel-Titanium rotary and reciprocating root canal preparation systems on the amount of apically extruded debris.

Australian endodontic journal : the journal of the Australian Society of Endodontology Inc, 49 Suppl 1, 308–314. <https://doi.org/10.1111/aej.12734>

8.2. Articles published in other international peer-reviewed journals (ESCI)

- Kermeoglu, F., Aksoy, U., Kalender, A., Oztan, M.D., Oguz, E.I., Kıyan, M. (2018). Determination of the minimum inhibitory concentrations of alexidine and chlorhexidine against *Enterococcus faecalis* and *Candida albicans*: An in vitro study. *Cureus*, 10(2), e2221. doi: 10.7759/cureus.2221.
- Dartar, M.O., Kıyan, M., Kermeoğlu, F. (2021). Antimicrobial effects of gutta-percha points containing root canal medications against some anaerobic bacterial species and *Enterococcus faecalis*. *Cyprus Journal of Medical Sciences*, 6(2), 151-157. doi: 10.5152/cjms.2021.896.
- Kermeoğlu, 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. doi: 10.5152/cjms.2021.1863.
- Can-Karabulut, D.C., Er, F., Orhan, K., Solak, H., Karabulut, B., Aksoy, S., Cengiz, E., Basmacı, F., Aksoy, U. (2011). Kuzey Kıbrıs Türk Cumhuriyetinde diş hekimliği fakültesine başvuran yetişkin popülasyonda diş gelişim bozukluklarına sahip bireylerin oranı. *Gulhane Medical Journal*, 53(3), 154-61.
- Kalender, A., Aksoy, U., Basmacı, F., Orhan, K., Orhan, A.I. (2013). Cone-beam computed tomography analysis of the vestibular surgical pathway to the palatine root of the maxillary first molar. *European Journal of Dentistry*, 7(1), 35-40.
- Celikten, B., Orhan, K., Aksoy, U., Tufenkci, P., Kalender, A., Basmacı, F., Dabaj, P. (2016). Cone-beam CT evaluation of root canal morphology of maxillary and mandibular premolars in a Turkish Cypriot population. *BDJ Open*, 2, Article number: 15006.
- Aksoy, U., Kermeoğlu, F. (2016). Kök Kanallarının Şekillendirilmesi Sırasında Karşılaşılan İşlemsel Hatalar ve Önlemleri. *Türkiye Klinikleri Journal of Endodontics-Special Topics*, 2(3), 38-48.
- Kermeoğlu, F., Aksoy, U. (2017). Vital Pulpa Dokusu ve Pulpanın Diş Çürüğüne Cevabı. *Türkiye Klinikleri Journal of Endodontics-Special Topics*, 3(3), 149-59.
- Küçük, M., Kermeoğlu, F., Kalender, A., Aksoy, U. (2020). Farklı konsantrasyonlardaki sodyum hipoklorit solüsyonlarının endodontik tedavili dişlerin kırılma direncine etkisi. *Ankara Üniversitesi Diş Hekimliği Fakültesi Dergisi*, 47(1-3), 69-74.
- Sakallı, B., Kermeoğlu, F., Aksoy, U. (2020). Klinik kullanım sonrası Ni-Ti döner aletlerdeki defektlerin araştırılması. *Ankara Üniversitesi Diş Hekimliği Fakültesi Dergisi*, 47(1-3), 63-68.

8.3. Papers presented at international scientific meetings and published in the proceedings book

- Aksoy U, Savtekin G, Sehirli AÖ, Kermeoglu F, Kalender A, Ozkayalar H, Sayiner S, Orhan K. Effects of the alpha-lipoic acid therapy on experimentally induced apical periodontitis in rats: A biochemical, histopathologic and micro-CT analysis. XVI. European Congress of DentoMaxilloFacial Radiology, Switzerland, 2018, [Oral Presentation]
- 3.D.2. Aksoy U, Kermeoglu F, Sehirli AÖ, Savtekin G, Kalender A, Sayiner S, Ozkayalar H. Anti-inflammatory effects of melatonin and 5-MTX on lipopolysaccharide-induced acute pulpitis in rats. 20. Scientific Congress of Asian Pacific Endodontic Confederation and 14. International Congress of Turkish Endodontic Society, İstanbul, 2019, [Oral Presentation]
- Koruk, D., Basmacı, F., Kırmızı, D., & Aksoy, U. Farklı İrrigasyon Solüsyonları ve Aktivasyon Tekniklerinin Kök Kanal Dolgu Patının Dentin Tübülleri Penetrasyonuna Etkisi. (Oral Presentation). 2022, 26th TDA International Dental Congress, Istanbul, Turkey

9. Projects

- " Ex vivo evaluation of various instrumentation techniques and irrigants in reducing E. faecalis within root canals " within the scope of NEU Scientific Research Projects University Support Projects - 2013 (As a researcher)

10. Administrative Duties

10.1. Near East University Faculty of Dentistry, Curriculum Evaluation Commission Member (2023-)

11. Memberships to Scientific and Professional Organizations

10.1. Cyprus Turkish Chamber of Dentists (2009-)

10.2. Cyprus Turkish Medical Association (2009-)

10.3. Turkish Endodontic Society (2009-)

12. Awards

- Near East University 2015 Young Researcher Award (2015)
- Near East University 2016 Scientific Publication Award (2016)

13. Fill in the table below for the undergraduate and graduate level courses you have taught in the last two years.

Academic Year	Term	Course Name	Weekly Time		Enrolled student number
			Theoretical	Practical	
2021-2022	Fall	1. Sınıf Teorik Blokları –Diş Hekimliğine Giriş Bloğu	1		118
		Year 1 Theoretical Committees – Introduction to Dentistry Committee	1		50

	Fall	2. Sınıf Teorik Blokları – Dental Doku Hastalıkları ve Tedavileri I	2		240
		Year 2 Theoretical Committees – Diseases and Treatments of Dental Tissues I	2		115
	Fall and Spring	3. Sınıf Pratik Blokları – Endodonti Preklinik	-	8	189
		Year 3 Practical Committees – Endodontics Preclinic	-	4	68
	Fall	3. Sınıf Teorik Blokları – Dental Doku Hastalıkları ve Tedavileri IV	4		189
2022-2023	Fall	1. Sınıf Teorik Blokları –Diş Hekimliğine Giriş Bloğu	1		102
		Year 1 Theoretical Committees – Introduction to Dentistry Committee	1		49
	Fall and Spring	2. Sınıf Teorik Blokları – Dental Doku Hastalıkları ve Tedavileri I	-	2	118
		Year 2 Theoretical Committees – Diseases and Treatments of Dental Tissues I	-	2	50
	Fall	3. Sınıf Teorik Blokları – Dental Doku Hastalıkları ve Tedavileri IV	4		240
		Year 3 Theoretical Committees – Diseases and Treatments of Dental Tissues IV	4		115
	Fall	4. Sınıf Teorik Blokları – Çocuk Diş Hekimliği ve Ortodonti	2	-	189
	Fall	Diş Hekimliğinde Nanoteknoloji	14	-	80
	Spring	Nanotechnology in Dentistry	14	-	50
	Fall and Spring	4. Sınıf Pratik Blokları – Endodonti Staj	-	20	189
		Year 4 Practical Committees – Endodontics Internship	-	20	68