

Asst. Prof. AYŞENUR ÖNCÜ

Personal Information

Email: aysenur.oncu@lokmanhekim.edu.tr

Web: <https://avesis.lokmanhekim.edu.tr/aysenur.oncu>

International Researcher IDs

ORCID: 0000-0002-3130-0669

Publons / Web Of Science ResearcherID: DJY-3142-2022

Yoksis Researcher ID: 299703

Education

Dental Specialty, Ankara University, Diş Hekimliği Fakültesi, Klinik Bilimler Bölümü, Turkey 2019 - 2022

Undergraduate, Ankara University, Diş Hekimliği Fakültesi, Turkey 2013 - 2018

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Dental Specialty, Gümüş nanopartiküllerin endodontik biyofilme karşı antimikrobiyal etkisinin değerlendirilmesi, Ankara University, Diş Hekimliği Fakültesi, Klinik Bilimler Bölümü, 2022

Research Areas

Dentistry, Clinical Sciences, Endodontics

Academic Positions

Assistant Professor, Lokman Hekim University, Diş Hekimliği Fakültesi, Klinik Bilimler Bölümü, 2023 - Continues

Journal articles indexed in SCI, SSCI, and AHCI

- Rational design of a Nano-Antibiotic chitosan hydrogel for the bacterial infection Therapy: In vitro & ex vivo Assessments**
AMASYA ÇELİKTEN G., Tuba Sengel-Turk C., Basak Erol H., KAŞKATEPE B., ÖNCÜ A., Guney-Eskiler G., ÇELİKBAY A.
International Journal of Pharmaceutics, vol.665, 2024 (SCI-Expanded)
- Antibacterial efficacy of silver nanoparticles, sodium hypochlorite, chlorhexidine, and hypochlorous acid on dentinal surfaces infected with Enterococcus faecalis**
Oncu A., ÇELİKBAY A., AYDIN B., AMASYA ÇELİKTEN G., TUNCAY E., Eskiler G. G., AÇIK L., SEVİMAY F. S.
Microscopy Research and Technique, vol.87, no.9, pp.2094-2102, 2024 (SCI-Expanded)

- III. **Comparative evaluation of the antifungal efficacy of sodium hypochlorite, chlorhexidine, and silver nanoparticles against *Candida albicans***
Oncu A., Çelikten A., Aydın B., Amasya Çelikten G., Açık L., Sevimay F. S.
Microscopy Research and Technique, vol.85, no.12, pp.3755-3760, 2022 (SCI-Expanded)
- IV. **Micro-CT comparative evaluation of porosity and dentin adaptation of root end filling materials applied with incremental, bulk, and ultrasonic activation techniques**
ÇELİKBAY A., Oncu A., Koohnavard M., OCAK M., ORHAN K.
Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, vol.236, no.8, pp.1209-1215, 2022 (SCI-Expanded)
- V. **Micro-CT evaluation of 'danger zone' and microcrack formation in mesial root canals of primary teeth with single-file rotary and reciprocating systems**
YÜKSEL B. N., ÖNCÜ A., ÇELİKTEN B., BİLECENOĞLU B., ORHAN A. I., ORHAN K.
INTERNATIONAL JOURNAL OF PAEDIATRIC DENTISTRY, vol.32, no.1, pp.109-115, 2022 (SCI-Expanded)
- VI. **A new perspective on minimally invasive endodontics: a systematic review**
ÇELİKBAY A., Koohnavard M., Oncu A., SEVİMAY F. S., ORHAN A. I., ORHAN K.
Biotechnology and Biotechnological Equipment, vol.35, no.1, pp.1758-1767, 2021 (SCI-Expanded)

Articles Published in Other Journals

- I. **Micro-Computed Tomography Analysis of Resin and Calcium Silicate Based Sealers Removal in Mandibular Molars Curved Canals Mikro-CT analiza uklanja smola i cementa na bazi kalcijeva silikata u zakrivljenim kanalima kutnjaka donje čeljusti**
BÜYÜKSUNGUR A., ÖNCÜ A., KOOHNAVARD M., ÇELİKBAY A., Tezer E. O., Huang Y., ORHAN K.
Acta Stomatologica Croatica, vol.58, no.2, pp.136-144, 2024 (ESCI)
- II. **Porosity analysis of four bioceramic materials used for the repair of furcation perforations via micro-computed tomography**
Yalniz H., Ziraman F. G., Öncü A., Celikten B.
DENTAL AND MEDICAL PROBLEMS, vol.61, pp.71-76, 2024 (ESCI)
- III. **The Implication of Virtual Reality Haptic Simulators on Cavity Preparation Proficiency in Dental Preclinical Education: A Systematic Review**
Öncü A., Celikten B., Tezer E. O., Öztan M.
European annals of dental sciences (Online), vol.50, no.3, pp.143-150, 2023 (Peer-Reviewed Journal)
- IV. **Micro-CT Evaluation of Centering Ability and Canal Transportation of Protaper Ultimate and RevoS+ Rotary File Systems in Simulated Curved Canals**
BÜYÜKSUNGUR A., ÖNCÜ A., ÇELİKTEN B., HUANG Y.
European annals of dental sciences (Online), vol.50, 2023 (Peer-Reviewed Journal)
- V. **Endodontic Treatment of Premolar Teeth with Different Root Canal Anatomy: Two Case Reports and Literature Review**
ŞAKLAR F., ÖNCÜ A., SEVGİ S., ÇELİKTEN B.
CYPRUS JOURNAL OF MEDICAL SCIENCES, 2023 (ESCI)
- VI. **Effects of chitosan-containing silver nanoparticles or chlorhexidine as the final irrigant on the bond strength of resin-based root canal sealers**
ÇELİKTEN B., AMASYA G., ÖNCÜ A., Koohnavard M., ŞAKLAR F.
Journal of Dental Research, Dental Clinics, Dental Prospects, vol.16, no.2, pp.118-122, 2022 (Scopus)
- VII. **Comparative Evaluation of the Push-Out Bond Strength of Root-End Filling Materials by Using Different Condensation Methods**
TÜFENKÇİ P., SEVGİ S., ÖNCÜ A., SEVİMAY F. S., ÇELİKTEN B.
CYPRUS JOURNAL OF MEDICAL SCIENCES, vol.7, 2022 (Peer-Reviewed Journal)
- VIII. **Comparative evaluation of dentin volume removal and centralization of the root canal after shaping with the protaper universal, protaper gold, and one-curve instruments using micro-ct**

Yalniz H., Koohnavard M., Oncu A., ÇELİK BAY A., ORHAN A. I., ORHAN K.

Journal of Dental Research, Dental Clinics, Dental Prospects, vol.15, no.1, pp.47-52, 2021 (Scopus)

- IX. **Silver nanoparticles in endodontics: recent developments and applications**
ÖNCÜ A., HUANG Y., AMASYA G., SEVİMAY F. S., ORHAN K., ÇELİK TEN B.
Restorative Dentistry & Endodontics, vol.46, no.3, 2021 (Peer-Reviewed Journal)
- X. **MANAGEMENT OF EMERGENCY CASES IN ENDODONTICS PRACTICE DURING THE COVID -19 PANDEMIC: A LITERATURE REVIEW**
ÖNCÜ A., ODABAŞI TEZER E., ÇELİK TEN B.
European annals of dental sciences (Online), vol.48, pp.40-45, 2021 (Peer-Reviewed Journal)
- XI. **CBCT Visualization of Furcation Perforation Repair Materials Using Different Voxel Sizes**
ORHAN A. I., TÜFENKÇİ P., ÖNCÜ A., SEVGİ S., ÇELİK TEN B., ORHAN K.
CLINICAL AND EXPERIMENTAL HEALTH SCIENCES, vol.11, pp.654-658, 2021 (ESCI)

Books

- I. **Radyografik Yorumlama**
Orhan K., Çelikten B., Öncü A., Koohnavard M.
in: Cohen's Pathways of the Pulp Türkçe 12.Baskı , Turgut Yağmur YALÇIN,Ayça YILMAZ, Editor, Nobel Tıp Kitapevi, Ankara, pp.34-77, 2023
- II. **Imaging of the Most Common Dental Pathologie**
Orhan K., Çelikten B., Öncü A.
in: Atlas of Dentomaxillofacial Anatomical Imaging , Delantoni Antigoni,Orhan Kaan, Editor, Springer Nature, Berlin, pp.191-214, 2022

Papers Presented at Peer-Reviewed Scientific Conferences

- I. **Kök Kanal Dezenfeksiyonu Amacıyla Sentezlenen Nano-antibiyotik Hidrojel Nano-antibiotic Hydrogel Formulation For Root Canal Disinfection**
ÖNCÜ A., EROL H. B., ÇELİK TEN B., AMASYA G., ŞENGEL TÜRK C. T., KAŞKATEPE B., GÜNEY ESKİLER G.
Türk Diş Hekimleri Birliği 27. Uluslararası Diş Hekimliği Kongresi, Turkey, 26 - 29 October 2023, (Summary Text)
- II. **Pasif Ultrasonik Aktivasyonun Lateral Kanallara İrrigasyon Solüsyonu Penetrasyonu Üzerine Etkisinin Değerlendirilmesi Effect of Passive Ultrasonic Activation on Irrigation Penetration into Lateral Canals**
ÖNCÜ A., ŞİŞKO E., BÜYÜKSUNGUR A., ÇELİK TEN B.
Türk Diş Hekimleri Birliği 27. Uluslararası Diş Hekimliği Kongresi, Turkey, 26 - 29 October 2023, (Summary Text)
- III. **Farklı Tekniklerle Uygulanan Biyoaktif Materyallerin Dentinal Adaptasyonunun Mikro- BT Kullanılarak Değerlendirilmesi - Micro-CT Evaluation of Dentinal Adaptation of Bioactive Materials Applied with Different Techniques**
ÇELİK TEN B., ÖNCÜ A., KOOHNAVAR D M., OCAK M., ORHAN K.
27. Uluslararası Bilimsel kongre ve Sergisi, İzmir, Turkey, 28 - 31 October 2021, (Full Text)
- IV. **Evaluation of Accuracy of Different Electronic Apex Locators**
ERGELDİ A., SEVİMAY F. S., ÖNCÜ A.
1st INTERNATIONAL TURKISH JAPANESE DENTAL CONGRESS, Ankara, Turkey, 24 - 26 June 2021, (Full Text)
- V. **The effect of chitosan-silver nanoparticles on resin-based sealer bond strength to dentine: A pilot study**
ÖNCÜ A., AMASYA G.
1st INTERNATIONAL TURKISH JAPANESE DENTAL CONGRESS, Ankara, Turkey, 24 June 2021, (Summary Text)
- VI. **Gümüş Nanopartiküllerin Endodontide Farklı Uygulama Yöntemlerinin Değerlendirilmesi**
ÖNCÜ A., AMASYA G., ÇELİK TEN B.

5th International Hippocrates Congress on Medical and Health Sciences, Turkey, 18 - 19 December 2020,
(Summary Text)

VII. **Apikal Cerrahi Uygulanmış Dislerde Farklı Kalınlıkta Uygulanan Retrograd Dolguların Kırılmaya Direncine Etkisi**

KOOHNAVARD M., ÖNCÜ A., ÇELİK TEN B.

25. TDA-TDB International Dental Congress, Turkey, 4 - 09 September 2019, (Summary Text)

Funded Projects

Öncü A., Özdemir M., TÜBİTAK Project, Farklı Biyoaktif Materyallerin Rejeneratif Endodontik Tedavi Uygulanan Genç Daimi Molar Dişlerde Kırılma Dayanımına Etkisinin Değerlendirilmesi, 2024 - 2025

Çelikten B., Öncü A., Project Supported by Higher Education Institutions, Gümüş Nanopartiküllerin Endodontik Biyofilme Karşı Antimikrobiyal Etkisinin Değerlendirilmesi, 2021 - 2022

Metrics

Publication: 27

Citation (Scopus): 34

H-Index (Scopus): 3

Non Academic Experience

SAĞLIK BAKANLIĞI, Filyasyon