

## Lect. Osman KOÇ

### Personal Information

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### International Researcher IDs

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### Research Areas

Biomedical Engineering, Computer Aided Design and Manufacturing, Finite Element Methods, Biomechanics, Engineering and Technology

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. Effects of different distractor positions on the formation of expansion, stress and displacement patterns in surgically assisted rapid maxillary expansion without pterygomaxillary disjunction: a finite element analysis study  
Koç O., Bolat Gümüş E.  
Computer Methods in Biomechanics and Biomedical Engineering, vol.27, no.1, pp.56-66, 2024 (SCI-Expanded)
- II. Comparison of 3 different bone-borne type expansion appliances used in surgically-assisted rapid palatal expansion: A finite element analysis  
Koç O., Pamukçu H., Atakan Kocabalkan A.  
AMERICAN JOURNAL OF ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS, vol.1, pp.1-15, 2022 (SCI-Expanded)
- III. Surgically assisted rapid palatal expansion: is the pterygomaxillary disjunction necessary? A finite element study  
Koç O., Jacob H. B.  
Seminars in Orthodontics, vol.28, no.3, pp.227-242, 2022 (SCI-Expanded)
- IV. Influence of fiber insertion and different material type on stress distribution in endocrown restorations: a 3D-FEA study  
Yıldırım G., Demir C., Guven M. C., Koç O., Dalkılıç E.  
COMPUTER METHODS IN BIOMECHANICS AND BIOMEDICAL ENGINEERING, vol.25, no.13, pp.1509-1519, 2022 (SCI-Expanded)

### Articles Published in Other Journals

- I. Fren Balata Sisteminde Sürtünme Sonucu Oluşan Isı Transferi Ve Termal Gerilme Analizi  
Koç O., Taşgetiren S., Mutlu İ.  
Teknolojik Araştırmalar Dergisi, vol.1, no.2, pp.9-20, 2009 (Peer-Reviewed Journal)

## **Supported Projects**

KOÇ O., Endüstride Kullanılan Yüksek Güçlü Elektrik Motorlarının Arızalarını Önlemeye Yönelik Yenilikçi Bir Soğutma Sistemi Tasarımı, 2012 - 2013

KOÇ O., TUBITAK Project, Bor minareleri katkılı otomotiv fren balatası üretimi ve frenleme karakteristiğinin incelenmesi, 2007 - 2008

## **Metrics**

Publication: 5

Citation (WoS): 1

Citation (Scopus): 4

H-Index (WoS): 1

H-Index (Scopus): 2

## **Non Academic Experience**

Trakya Üniversitesi