

## Asst. Prof. Behzat Bahadır Kentel

### Personal Information

**Office Phone:** [+90 053 274 0872](tel:+900532740872) Extension: 5

**Email:** behzat.kentel@tedu.edu.tr

**Web:** <https://avesis.tedu.edu.tr/behzat.kentel>

### International Researcher IDs

ScholarID: WB4pv2YAAAAJ

ORCID: 0000-0001-8274-6006

Publons / Web Of Science ResearcherID: LIG-0758-2024

ScopusID: 65065888696506588869

Yoksis Researcher ID: 225523

### Education Information

Doctorate, Loughborough University, England 2003 - 2009

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Turkey 1999 - 2002

Undergraduate, Middle East Technical University, Faculty Of Engineering, Department Of Mechanical Engineering, Turkey 1995 - 1999

### Research Areas

Mechanical Engineering, Machine Theory and Dynamics, Mechanisms, Modeling and Simulation of Dynamic Systems, Biomechanics

### Academic Titles / Tasks

Assistant Professor, TED University, Faculty Of Engineering, Department Of Mechanical Engineering, 2024 - Continues

Assistant Professor, Baskent University, Makina Mühendisliği, 2023 - 2024

Lecturer, Atilim University, Makina Mühendisliği, 2019 - 2023

Assistant Professor, Middle East Technical University, Odtü Kuzey Kıbrıs Kampusu (Kktc-Güzelyurt), Havacılık Ve Uzay Mühendisliği Bölümü, 2018 - 2019

Assistant Professor, Middle East Technical University, Odtü Kuzey Kıbrıs Kampusu (Kktc-Güzelyurt), Makine Mühendisliği Bölümü, 2011 - 2018

Lecturer, Middle East Technical University, Odtü Kuzey Kıbrıs Kampusu (Kktc-Güzelyurt), Makine Mühendisliği Bölümü, 2010 - 2011

Expert PhD, Loughborough University, Computer Science, 2009 - 2010

Research Assistant, Loughborough University, Mechanical Engineering / Sports Science, 2004 - 2009

Research Assistant, Middle East Technical University, Faculty Of Engineering, Department Of Mechanical Engineering, 1999 - 2003

### Academic and Administrative Experience

Deputy Head of Department, Baskent University, Makina Mühendisliği, 2023 - 2024

Deputy Head of Department, Atilim University, Makina Mühendisliği, 2022 - 2023

Head of Department, Middle East Technical University, Odtü Kuzey Kıbrıs Kampusu (Kktc-Güzelyurt), Havacılık Ve Uzay Mühendisliği Bölümü, 2018 - 2019

Head of Department, Middle East Technical University, Odtü Kuzey Kıbrıs Kampusu (Kktc-Güzelyurt), Makine Mühendisliği Bölümü, 2015 - 2017

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

- I. **The effects of ball impact location and grip tightness on the arm, racquet and ball for one-handed tennis backhand groundstrokes**  
King M. A., Kentel B. B., Mitchell S. R.  
Journal of Biomechanics, vol.45, no.6, pp.1048-1052, 2012 (SCI-Expanded)
- II. **Evaluation of a subject-specific, torque-driven computer simulation model of one-handed tennis backhand ground strokes**  
Kentel B. B., King M. A., Mitchell S. R.  
Journal of Applied Biomechanics, vol.27, no.4, pp.345-354, 2011 (SCI-Expanded)
- III. **Dynamic function of the fibula. Gait analysis evaluation of three different parts of the shank after fibulectomy: Proximal, middle and distal**  
Bozkurt M., Yavuzer G., TÖNÜK E., Kentel B. B.  
Archives of Orthopaedic and Trauma Surgery, vol.125, no.10, pp.713-720, 2005 (SCI-Expanded)
- IV. **Does bilateral total knee arthroplasty affect gait in women? Comparison of gait analyses before and after total knee arthroplasty compared with normal knees**  
Solak A. Ş., Kentel B. B., Ateş Y.  
Journal of Arthroplasty, vol.20, no.6, pp.745-750, 2005 (SCI-Expanded)
- V. **Reliability and validity testing of an archery chronometer.**  
Ertan H., Kentel B. B., Tümer S. T., Korkusuz F.  
JOURNAL OF SPORTS SCIENCE AND MEDICINE, vol.4, no.2, pp.95-104, 2005 (SCI-Expanded)
- VI. **Comparison of landing maneuvers between male and female college volleyball players**  
Salci Y., Kentel B. B., Heycan C., Akin S., KORKUSUZ F.  
Clinical Biomechanics, vol.19, no.6, pp.622-628, 2004 (SCI-Expanded)
- VII. **Activation patterns in forearm muscles during archery shooting**  
ERTAN H. B., Kentel B. B., TÜMER S. T., KORKUSUZ F.  
Human Movement Science, vol.22, no.1, pp.37-45, 2003 (SCI-Expanded)

## Articles Published in Other Journals

- I. **The Implementation of Torque Generators on a Human Rigid Body Model**  
Güven U., Akman A. C., KENTEL B. B.  
Mühendislik Bilimleri ve Tasarım Dergisi, vol.2, no.3, pp.185-188, 2014 (Peer-Reviewed Journal)
- II. **In Vivo Verification of Different Hip Joint Center Estimation Methods in Gait Analysis For Healthy Subjects**  
Yousefi A., TÖNÜK E., KENTEL B. B.  
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.18, no.3, pp.157-166, 2014 (Peer-Reviewed Journal)
- III. **A comparison of wrist angular kinematics and forearm EMG data for an elite, intermediate and novice standard tennis player performing a one-handed backhand groundstroke**  
Glynn J. A., Kentel B. B., King M. A., Mitchell S. R.  
International Journal of Sports Science and Engineering, vol.1, no.3, pp.157-164, 2007 (Peer-Reviewed Journal)
- IV. **Functional evaluation of intraarticular severely comminuted fractures of the calcaneus with gait**

**analysis**

Bozkurt M., Kentel B. B., Yavuzer G., Öçgüder A., Heycan C., TÖNÜK E.

Journal of Foot and Ankle Surgery, vol.43, no.6, pp.374-379, 2004 (Scopus)

**Metrics**

Publication: 11

Citation (Scopus): 330

H-Index (Scopus): 8