

## Res. Asst. PhD TALİP ÇELİK

### Personal Information

**Mobile Phone:** [+90 541 376 1606](tel:+905413761606)

**Office Phone:** [+90 262 303 2328](tel:+902623032328)

**Email:** [talip.celik@kocaeli.edu.tr](mailto:talip.celik@kocaeli.edu.tr)

**Other Email:** [celiktlp@gmail.com](mailto:celiktlp@gmail.com)

**Web:** <https://avesis.kocaeli.edu.tr/talip.celik>



### Education Information

Doctorate, Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Biyomedikal Mühendisliği (Dr), Turkey 2012 - 2018

Post Graduate, Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Makine Eğitimi Anabilim Dalı, Turkey 2009 - 2012

Under Graduate, Anadolu Üniversitesi, İşletme Fakültesi, İşletme Bölümü, Turkey 2006 - 2011

Under Graduate, Kocaeli Üniversitesi, Mühendislik Fakültesi, Makina Mühendisliği, Turkey 2004 - 2009

### Foreign Languages

English, B1 Intermediate

### Dissertations

Doctorate, Ortopedik implantlarda mekanik kararlılığın analizi, Kocaeli University, Teknoloji Fakültesi, Biyomedikal Mühendisliği, 2018

Post Graduate, Trokanterler arası femur kırıklarında dinamik kalça çivisinin yerleşim konumuna göre gerilme dağılımı, Kocaeli University, Teknoloji Fakültesi, Biyomedikal Mühendisliği, 2012

### Academic Titles / Tasks

Research Assistant PhD, Kocaeli Üniversitesi, Teknoloji Fakültesi, Biyomedikal Mühendisliği, 2018 - Continues

Research Assistant, Kocaeli University, Teknik Eğitim Fakültesi, Makine Eğitimi Bölümü, 2010 - 2018

### Courses

Bitirme Projesi B, Under Graduate, 2019 - 2020, 2021 - 2022

Tasarım ve Optimizasyon, Under Graduate, 2019 - 2020, 2020 - 2021

İşyeri Eğitimi, Under Graduate, 2019 - 2020, 2021 - 2022

Sonlu Elemanlar Analizi, Under Graduate, 2021 - 2022

Bilgisayar Destekli Tasarım, Under Graduate, 2018 - 2019, 2019 - 2020

İmplant Tasarım ve Teknolojileri, Under Graduate, 2020 - 2021

Bitirme Projesi A, Under Graduate, 2019 - 2020, 2020 - 2021

Makine ve Ölçme Bilgisi, Under Graduate, 2019 - 2020

Teknik Resim, Under Graduate, 2019 - 2020  
Makine ve Ölçme Bilgisi, Under Graduate, 2019 - 2020  
Mühendislikte Çizim, Under Graduate, 2020 - 2021  
Araştırma ve Rapor Yazım Teknikleri, Under Graduate, 2019 - 2020, 2020 - 2021  
Mühendislik Mekaniği, Under Graduate, 2019 - 2020

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Biomechanical evaluation of the screw preload values used in the plate placement for bone fractures**  
Çelik T.  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART H-JOURNAL OF ENGINEERING IN MEDICINE, vol.235, no.2, pp.141-147, 2021 (Journal Indexed in SCI)
- II. **Evaluation of new hip prosthesis design with finite element analysis**  
Talip C., Kişioğlu Y.  
AUSTRALASIAN PHYSICAL & ENGINEERING SCIENCES IN MEDICINE, vol.42, pp.1033-1038, 2019 (Journal Indexed in SCI)
- III. **Finite Element Analysis of Short- Versus Long-Segment Posterior Fixation for Thoracolumbar Burst Fracture**  
Basaran R., Efendioglu M., Kaksi M., Çelik T., Mutlu İ., Uçar M.  
WORLD NEUROSURGERY, vol.128, 2019 (Journal Indexed in SCI)
- IV. **Medial malleolus fractures: A biomechanical comparison of tension band wiring fixation methods**  
Uygur E., Poyanli O., MUTLU İ., ÇELİK T., Akpınar F.  
ORTHOPAEDICS & TRAUMATOLOGY-SURGERY & RESEARCH, vol.104, no.8, pp.1259-1263, 2018 (Journal Indexed in SCI)
- V. **The effect of cement on hip stem fixation: a biomechanical study**  
Çelik T., Mutlu İ., Ozkan A., Kişioğlu Y.  
AUSTRALASIAN PHYSICAL & ENGINEERING SCIENCES IN MEDICINE, vol.40, pp.349-357, 2017 (Journal Indexed in SCI)
- VI. **Evaluation of prebent miniplates in fixation of Le Fort I advancement osteotomy with the finite element method**  
Coşkunes F. M., Kan B., Mutlu İ., Cilasun U., Çelik T.  
JOURNAL OF CRANIO-MAXILLOFACIAL SURGERY, vol.43, pp.1505-1510, 2015 (Journal Indexed in SCI)
- VII. **The effect of proximal tibial corrective osteotomy on menisci, tibia and tarsal bones: a finite element model study of tibia vara.**  
ATMACA H., Özkan A., MUTLU İ., CELİK T., UĞUR L., KİŞİOĞLU Y.  
The international journal of medical robotics + computer assisted surgery : MRCAS, vol.10, pp.93-7, 2014 (Journal Indexed in SCI Expanded)
- VIII. **Evaluation of contact characteristics of a patient-specific artificial dysplastic hip joint**  
MUTLU İ., Ugur L., ÇELİK T., BULUÇ L., Muezzinoglu U. S., KİŞİOĞLU Y.  
ACTA OF BIOENGINEERING AND BIOMECHANICS, vol.16, no.2, pp.111-120, 2014 (Journal Indexed in SCI)
- IX. **Stress distribution comparisons of foot bones in patient with tibia vara: a finite element study**  
Ozkan A., Atmaca H., MUTLU İ., ÇELİK T., Ugur L., KİŞİOĞLU Y.  
ACTA OF BIOENGINEERING AND BIOMECHANICS, vol.15, no.4, pp.67-72, 2013 (Journal Indexed in SCI)
- X. **Comparison of 3D and 2D models editing process in pre osteotomy planning**  
Mutlu İ., Özkan A., Atmaca H., Çelik T., M Yavuz Ç., Kişioğlu Y.  
Journal Of Biomechanics, vol.44, pp.18, 2011 (Journal Indexed in SCI)
- XI. **Femur İntertrokanterik Kırıklarında Dinamik Kalça Vidasının DHS Yerleşimine Göre Kesilme Kuvvetlerinin İncelenmesi**  
Çelik T., Buluç L., Yavuz Ç., Kişioğlu Y., Özkan A., Müezzinoğlu Ü. S.  
Acta Orthopaedica Et Traumatologica Turcica, vol.45, pp.178, 2011 (Journal Indexed in SCI Expanded)

## Articles Published in Other Journals

- I. **Comparison of the Stress Distribution Between High-Heel and Flat Shoes on the First Metatarsal Bone**  
Coşkun Z., Çelik T., Kişioğlu Y.  
Journal of Polytechnic, vol.1, no.1, pp.1-10, 2021 (Journal Indexed in ESCI)
- II. **New Hip Prosthesis Design And Evaluation With Using Finite Element Analysis**  
Çelik T., Kişioğlu Y.  
Journal of Polytechnic, vol.1, no.1, pp.1-9, 2021 (Journal Indexed in ESCI)
- III. **Evaluation of Hip Prosthesis Stability via Harmonic Response Analysis**  
Çelik T., Kişioğlu Y.  
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, vol.23, pp.81-84, 2020 (Journal Indexed in ESCI)
- IV. **THE EVALUATION OF THE RELATION BETWEEN DYNAMIC HIP SCREW POSITIONS AND ITS FAILURE IN UNSTABLE FEMUR FRACTURES**  
Çelik T., Mutlu İ., Özkan A., Kişioğlu Y.  
Australian Journal of Mechanical Engineering, vol.4, no.1, pp.1-9, 2019 (Journal Indexed in ESCI)
- V. **Kalça Protezi Stabilitesinin Harmonik Cevap Analizleri İle Değerlendirilmesi**  
ÇELİK T., KİŞİOĞLU Y.  
Politeknik Dergisi, 2019 (Other Refereed National Journals)
- VI. **Tibia Kırıklarının Eksternal Fiksator ile Tespitinin Malzeme ve Geometri Unsurları Yönünden Değerlendirilmesi**  
Bülbül F., Çelik T., Özkan A.  
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.6, no.4, pp.1410-1419, 2018 (National Refreed University Journal)
- VII. **How does the material variation of dynamic hip screw affect the cut-out risk in the treatment of intertrochanteric femoral fractures?**  
Çelik T., Mutlu İ., Özkan A., Kişioğlu Y.  
International Journal of Experimental and Computational Biomechanics, vol.4, no.1, pp.49, 2016 (Refereed Journals of Other Institutions)
- VIII. **Comparison of the Lag Screw Placements for the Treatment of Stable and Unstable Intertrochanteric Femoral Fractures regarding Trabecular Bone Failure.**  
Çelik T., Mutlu İ., Özkan A., Kişioğlu Y.  
Journal of medical engineering, vol.2016, pp.5470798, 2016 (Refereed Journals of Other Institutions)
- IX. **EFFECTS OF SALTER PELVIC OSTEOTOMY ANGLE ON CONTACT AREA AND PRESSURE DISTRIBUTION IN THE HIP JOINT: AN EXPERIMENTAL STUDY**  
MUTLU İ., UĞUR L., ÇELİK T., ÖZKAN A., MEMİŞOĞLU K., KİŞİOĞLU Y.  
Süleyman Demirel Üniversitesi Mühendislik Bilimleri ve Tasarım Dergisi, vol.2, no.2, pp.243-245, 2014 (Other Refereed National Journals)
- X. **SALTER PELVİK OSTEOTOMİ AÇISININ KALÇA EKLEMİNDE TEMAS ALANINA VE BASINÇ DAĞILIMINA ETKİLERİ DENEYSEL ÇALIŞMA**  
MUTLU İ., UĞUR L., ÇELİK T., ÖZKAN A., MEMİŞOĞLU K., KİŞİOĞLU Y.  
Süleyman Demirel Üniversitesi Mühendislik Bilimleri ve Tasarım Dergisi, vol.2, pp.243-247, 2014 (Other Refereed National Journals)
- XI. **Lag Vidasının Farklı Sabitleme Pozisyonunda Dinamik Kalça Çivisi ile Tedavi Edilen İntertrokanterik Femoral Kırıklarının Kararlılığı**  
Çelik T., Mutlu İ., Özkan A., Kişioğlu Y.  
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.1, no.1, pp.120-129, 2013 (National Refreed University Journal)
- XII. **The Stability of Femoral Intertrochanteric Fractures Treated with Dynamic Hip Screw in Different Fixation Position of Lag Screw**  
ÇELİK T., MUTLU İ., ÖZKAN A., KİŞİOĞLU Y.  
Duzce University Journal of Science and Technology, vol.1, pp.120-129, 2013 (Other Refereed National Journals)

- XIII. **Cerrahi Öncesi Planlamada Üç Boyutlu Simülasyon ve İki Boyutlu Resim Editörü Programlarının Karşılaştırılması**  
ÖZKAN A., MUTLU İ., ÇELİK T., KİŞİOĞLU Y., AYAN S.  
İleri Teknoloji Bilimleri Dergisi, vol.1, pp.80-86, 2012 (Other Refereed National Journals)
- XIV. **Comparison of three Dimensional Simulation and Dimensional Image Editor Softwares at the pre Surgery Planning**  
ÖZKAN A., MUTLU İ., ÇELİK T., KİŞİOĞLU Y., AYAN S.  
Journal of Advanced Technology Sciences, vol.1, pp.80-86, 2012 (Other Refereed National Journals)

#### **Refereed Congress / Symposium Publications in Proceedings**

- I. **Design and Manufacture of the Torque Test Setup for Small and Shapeless Materials**  
Coşkun Z., Çelik T., Kişioğlu Y.  
5th International Engineering and Natural Sciences Conference, Diyarbakır, Turkey, 4 - 06 November 2020, pp.1-10
- II. **FARKLI STEM TASARIMLARININ KEMİK VE STEM ÜZERİNE ETKİLERİNİN SONLU ELEMANLAR YÖNTEMİ KULLANARAK İNCELENMESİ**  
ÇELİK T.  
IMASCON, 01 November 2019
- III. **PLAKLARI YERLEŞTİRMEDE KULLANILAN KORTİKAL VİDALARI ÖNYÜKLEME DEĞERLERİNİN KEMİK VE PLAK ÜZERİNE ETKİLERİNİN İNCELENMESİ**  
ÇELİK T.  
IMASCON, 1 - 03 November 2019
- IV. **Gezen Tavuklar ile Çiftlik Tavuklarının Femur Kemiklerinin Mekanik Özelliklerinin Belirlenmesi ve Karşılaştırılması**  
Ağın B., ÇELİK T., KİŞİOĞLU Y.  
2. Uluslararası Erciyes Bilimsel Araştırmalar Kongresi, Kayseri, Turkey, 27 - 29 September 2019
- V. **Finite element analysis of long versus short segment posterior screw fixation for thoracolumbar burst fracture**  
balak N., başaran R., ÇELİK T., efendioğlu m., kakşi m., MUTLU İ., UÇAR M.  
European Congress of Neurosurgery (EANS2019), Dublin, Ireland, 24 - 28 September 2019
- VI. **Hayvansal Tendonun İn Vitro Sürünme Davranışı**  
MUTLU İ., ÇELİK T., ÖZKAN A.  
Internatinal Marmara Science and Social Congress (IMASCON), Kocaeli, Turkey, 23 - 25 November 2018
- VII. **Sonlu Elemanlar Analizi ile Hibrid Kalça Protezi Tasarımının Değerlendirilmesi**  
ÇELİK T., KİŞİOĞLU Y.  
Internatinal Marmara Science and Social Sciences Congress(IMASCON), Kocaeli, Turkey, 23 - 25 November 2018
- VIII. **Hayvansal Tendonun In Vitro Sürünme Davranışı**  
MUTLU İ., ÇELİK T., ÖZKAN A.  
Uluslararası Marmara Fen ve Sosyal Bilimler Kongresi 2018, 23 - 25 November 2018
- IX. **Optimal Location Determinations For Different Types Of Mandibular Fractures**  
ÖZKAN A., PUSUR M., ÇELİK T., TAŞDEMİRCİ Ç.  
ICENS, kiev, Ukraine, 2 - 06 May 2018
- X. **Determination Of The Hip Stem Loosening Using Vibration Method**  
ÇELİK T., KİŞİOĞLU Y.  
ICENS, KİEV, Ukraine, 2 - 06 May 2018
- XI. **MEDİAL MALLEOL KIRIĞINA YÖNELİK FARKLI TESPİT YÖNTEMLERİNİN GERGİ BANDI İLE KARŞILAŞTIRILMASI: BİYOMEKANİK ÇALIŞMA**  
UYGUR M. E. , POYANLI O. Ş. , MUTLU İ., ÇELİK T., AKPINAR F.  
27. Ulusal Türk Ortopedi ve Travmatoloji Kongresi, Antalya, Turkey, 24 - 29 October 2017

**XII. The Effect of Cement on Hip Stem Fixation A Biomechanical Study**

ÇELİK T., MUTLU İ., ÖZKAN A., KİŞİOĞLU Y.

Uluslararası Katılımlı 8. Ulusal Biyomekanik Kongresi, Ankara, Turkey, 19 - 23 October 2016

**XIII. EFFECTS OF SALTER PELVIC OSTEOTOMY ANGLE ON CONTACT AREA AND PRESSURE DISTRIBUTION IN THE HIP JOINT: AN EXPERIMENTAL STUDY**

MUTLU İ., UĞUR L., ÇELİK T., ÖZKAN A., MEMİŞOĞLU K., KİŞİOĞLU Y.

VII. National Biomechanics Congress with International Participation, Isparta, Turkey, 16 - 18 October 2014

## Supported Projects

ÖZKAN A., TAŞDEMİRCİ Ç., ÇELİK T., Project Supported by Higher Education Institutions, Biyomekanik Laboratuvarının Tasarım ve Test İçeriklerinin Uzaktan Eğitim Formasyonuna Entegre Edilmesi, 2021 - Continues

Mutlu İ., Kuş A., Çelik T., TÜBİTAK Project, Verilen Nefeste Karbondioksit Gazının Ölçülmesi Amacıyla Kullanılan Mobil Kapnografi Cihazının Yerli Üretimi, 2020 - 2022

ÇELİK T., KİŞİOĞLU Y., COŞKUN Z., Project Supported by Higher Education Institutions, El ve Ayak Parmak Kemikleri için Burulma ve Dört Nokta Eğme Test Sistemi Geliştirilmesi, 2020 - 2021

Kişioğlu Y., TÜBİTAK Project, Total Kalça Protezi Aseptik Gevşeme Derecesinin Titreşim Yöntemi ile Tespiti, 2017 - 2018

## Activities in Scientific Journals

American Journal of Mechanical and Materials Engineering, Committee Member, 2019 - Continues

Journal of Clinical Medicine, Committee Member, 2019 - Continues

Journal of Mechanical Engineering, Committee Member, 2019 - Continues

## Scientific Refereeing

POLİTEKNİK DERGİSİ, National Scientific Refreed Journal, March 2021

MEDICAL SCIENCE MONITOR, SCI Journal, January 2021

BMC MUSCULOSKELETAL DISORDERS, SCI Journal, January 2021

Australian Journal of Mechanical Engineering, Journal Indexed in ESCI, January 2021

JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, December 2020

DÜZCE ÜNİVERSİTESİ BİLİM VE TEKNOLOJİ DERGİSİ, National Scientific Refreed Journal, December 2020

TÜBİTAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Turkey, October 2020

TÜBİTAK Project, 1007 - Public Institutions Research and Development Projects DP, EMP PROJE DANIŞMANLIK LTD.ŞTİ, Turkey, April 2020

TÜBİTAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, HAYRİYA BİLİŞİM VE SAĞLIK TEKNOLOJİLERİ A.Ş., Turkey, April 2020

JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, January 2020

JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, June 2019

JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, May 2019

JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, April 2019

JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, January 2019

Politeknik Dergisi, National Scientific Refreed Journal, January 2019

JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, National Scientific Refreed Journal, December 2018

JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, November 2018

JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, July 2018

JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, June 2018

JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, March 2018

Australasian Physical & Engineering Sciences in Medicine, SCI Journal, March 2018  
Australian Journal Of Mechanical Engineering, Journal Indexed in ESCI, February 2018  
JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, January 2018  
JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, January 2018  
JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, December 2017  
JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, November 2017  
JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, June 2017  
JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, April 2017  
JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, February 2017  
BioMed Research International, SCI Journal, February 2017  
MEDICAL SCIENCE MONITOR, SCI Journal, January 2017  
JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, January 2017  
JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, October 2016  
JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, October 2016  
Computers in Biology and Medicine, SCI Journal, February 2015  
Computer Applications in Engineering Education, SCI Journal, March 2014

### **Edit Congress and Symposium Activities**

IMASCON, Attendee, Kocaeli, Turkey, 2018  
ICENS, Attendee, Kyiv, Ukraine, 2018

### **Citations**

Total Citations (WOS):26  
h-index (WOS):4