

## Res. Asst. MEHMET NURULLAH BALCI

### Personal Information

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### Education Information

Doctorate, Middle East Technical University, Faculty Of Engineering, Department Of Mechanical Engineering, Turkey  
2013 - 2018

Postgraduate, Hacettepe University, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, Turkey 2010 - 2013

Undergraduate, Baskent University, Faculty Of Engineering, Department Of Mechanical Engineering, Turkey 2006 - 2010

### Foreign Languages

English, C1 Advanced

### Academic Titles / Tasks

Research Assistant, Hacettepe Üniversitesi, Mühendislik Fakültesi, Otomotiv Mühendisliği Bölümü, 2011 - Continues

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

- I. **The effect of punch speed on frictional contact mechanics of finite-thickness graded layer resting on the rigid foundation**  
BALCI M. N.  
JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, vol.42, no.6, 2020 (Journal Indexed in SCI)
- II. **Contact Stress Analysis for a Functionally Graded Half-Plane at Subsonic, Transonic and Supersonic Sliding Speeds**  
BALCI M. N.  
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, 2020 (Journal Indexed in SCI)
- III. **The influence of interface stiffness ratio on elastodynamic contact mechanics of graded coatings**  
BALCI M. N.  
SURFACE & COATINGS TECHNOLOGY, vol.375, pp.489-507, 2019 (Journal Indexed in SCI)
- IV. **Mechanics of dynamic contact of coated substrate and rigid cylindrical ended punch**  
Balci M. N. , DAĞ S.  
JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, vol.33, no.5, pp.2225-2240, 2019 (Journal Indexed in SCI)
- V. **Solution of the dynamic frictional contact problem between a functionally graded coating and a moving cylindrical punch**  
BALCI M. N. , DAĞ S.  
INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES, vol.161, pp.267-281, 2019 (Journal Indexed in SCI)
- VI. **Dynamic frictional contact problems involving elastic coatings**  
BALCI M. N. , DAĞ S.  
TRIBOLOGY INTERNATIONAL, vol.124, pp.70-92, 2018 (Journal Indexed in SCI)

- VII. **Subsurface stresses in graded coatings subjected to frictional contact with heat generation**  
BALCI M. N. , DAĞ S., YILDIRIM B.  
JOURNAL OF THERMAL STRESSES, vol.40, no.4, pp.517-534, 2017 (Journal Indexed in SCI)
- VIII. **Analysis of frictional contacts with heat generation considering temperature dependent properties**  
BALCI M. N. , YILDIRIM B., DAĞ S.  
INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES, vol.101, pp.59-69, 2015 (Journal Indexed in SCI)
- IX. **Dimethyl 3,6-dioxatetracyclo[6.1.0.0(2,4).0(5,7)]nonane-2,9-dicarboxylate**  
Hokelek T., CELIK M., GULTEKIN M., BALCI M. N.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.62, 2006 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **Implementation of Dahl's dynamic friction model to contact mechanics of elastic solids**  
BALCI M. N.  
SN APPLIED SCIENCES, vol.3, no.1, 2021 (Journal Indexed in ESCI)

## Citations

Total Citations (WOS):48

h-index (WOS):5