

## Asst. Prof. Ahmet ÇELİK

### Personal Information

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### Education Information

Doctorate, Yildiz Technical University, Makina, Makina, Turkey Continues

### Research Areas

Engineering and Technology

### Academic Titles / Tasks

Assistant Professor, Yildiz Technical University, Faculty Of Mechanical Engineering, Machine, 1988 - Continues

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

- I. **Design and analysis of a high speed double-sided axial flux permanent magnet motor suspended vertically by magnetic bearings**  
Güney Ö. F., Çelik A., Bozkurt A. F., Erkan K.  
International Journal Of Applied Electromagnetics And Mechanics, vol.64, no.S1, pp.297-310, 2021 (SCI-Expanded)
- II. **Shock Absorption Using Linear Particle Chains With Multiple Impacts**  
Gharib M., ÇELİK A., Hürmüzlü Y.  
JOURNAL OF APPLIED MECHANICS-TRANSACTIONS OF THE ASME, vol.78, no.3, 2011 (SCI-Expanded)
- III. **Natural frequencies of a flat viaduct road part simply supported on two ends**  
Yuksekk I., ÇELİK A., Gülez K.  
SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, vol.31, pp.9-20, 2006 (SCI-Expanded)
- IV. **On transverse vibrations of functionally graded polar orthotropic rotating solid disk with variable thickness and constant radial stress**  
Güven U., ÇELİK A., Baykara C.  
JOURNAL OF REINFORCED PLASTICS AND COMPOSITES, vol.23, no.12, pp.1279-1284, 2004 (SCI-Expanded)
- V. **On transverse vibrations of functionally graded isotropic linearly elastic rotating solid disks**  
GÜVEN U., ÇELİK A.  
Mechanics Research Communications, vol.28, pp.271-276, 2001 (SCI-Expanded)
- VI. **On transverse vibrations of a variable composite flywheel with optimum design**  
Güven U., Parmaksızoğlu C., ÇELİK A.  
ZEITSCHRIFT FÜR ANGEWANDTE MATHEMATIK UND MECHANIK, vol.76, no.9, pp.537-538, 1996 (SCI-Expanded)
- VII. **On Transverse Vibration of a Composite Flywheel with Optimum Design**  
GÜVEN U., ÇELİK A.

## Articles Published in Other Journals

- I. **Wind Turbine Blade Flapwise and Edgewise Bending Vibration Analyses Using Energy Methods**  
Çelik A., Javani N.  
JOURNAL OF THERMAL ENGINEERING, vol.2, no.6, pp.983-989, 2016 (ESCI)
- II. **Bending Vibration of Two Edges of a Simple Supported Flat Viaduct Road Part**  
Çelik A., Yüksek İ., Yüksek K.  
TURKISH JOURNAL OF ENGINEERING AND ENVIRONMENTAL SCIENCES, vol.26, no.2, pp.193-200, 2002 (Non Peer-Reviewed Journal)
- III. **Transverse vibrations of rotating prismatic beams produced by variable-materials Değişken Malzemedden Dönen Prizmatik Kirişin Enine Titreşimleri**  
ÇELİK A.  
Turkish Journal of Engineering and Environmental Sciences, vol.25, no.5, pp.453-457, 2001 (Scopus)
- IV. **Transverse Vibration of a Beam Under Constant Stress**  
Yüksek İ., Çelik A.  
Turkish Journal of Engineering and Environmental Science, vol.24, no.2, pp.105-110, 2000 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Rijit Cisimlerin Üç boyutlu Dinamiğine Giriş**  
Makaracı M., Çelik A.  
in: MÜHENDİSLİK MEKANİĞİ DİNAMİK, PAŞA YAYLA, Editor, Nobel Yayın Dağıtım, Ankara, pp.527-599, 2015
- II. **Schaum's outline of theory and problems of engineering mechanics : statics and dynamics**  
Best C. L., Mclean W. G., Çelik A.  
Nobel Yayın Dağıtım, New-York, 2011

## Refereed Congress / Symposium Publications in Proceedings

- I. **Structural Analysis of a High Speed Double-Sided Axial Flux Permanent Magnet Motor Vertically Suspended by Magnetic Bearings**  
Güney Ö. F., Çelik A., Bozkurt A. F., Erkan K.  
19th edition of International Symposium on Electromagnetic Fields in Mechatronics, Electrical and Electronic Engineering, Nancy, France, 29 - 31 August 2019, vol.2019, no.1, pp.1-4
- II. **EFFECTS OF DIFFERENT BENDING PARAMETERS ON MOMENT VALUES IN BEECH WOOD**  
As N., Büyüksarı Ü., Çelik A., Akkılıç H.  
IInd INTERNATIONAL FURNITURE CONGRESS, Muğla, Turkey, 13 - 15 October 2016, pp.43-44
- III. **Numerical and Analytical Study of Natural Frequencies in a Wind Turbine Blade Using Finite Element and Energy Methods**  
ÇELİK A., JAVANI N., KESKIN U.  
01 June 2016, pp.865-871
- IV. **Natural Frequencies Analyses of a NACA-4415 Wind Turbine Blade Using Energy Methods**  
Çelik A., Javani N.  
International conference on energy systems Istanbul 2015 - ICES2015 , İstanbul, Turkey, 23 - 25 December 2015, pp.88-96
- V. **Elastic Impact of Spheres on Large Rectangular Plates**

Gharib M., Çelik A., Hürmüzlü Y.

Proceedings of the 17th International Congress on Sound and Vibration (ICSV17) , Cairo., Cairo, Egypt, 18 - 22 July 2010, pp.1793-1798

**VI. Multiple Impact Based Energy Absorption**

Gharib M., Çelik A., Hürmüzlü Y.

Proceedings of ASME International Design Engineering Technical Conferences (IDETC/CIE 2009),San Diego, CA., California, United States Of America, 30 - 31 August 2009, pp.475-482

## **Metrics**

Publication: 19

Citation (WoS): 47

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