

## Lect. PhD MEHMET AKİF DÜNDAR

### Personal Information

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### Education Information

Doctorate, Wayne State University, Mechanical Engineering, United States Of America 2012 - 2017

Postgraduate, Wayne State University, Mechanical Engineering, United States Of America 2010 - 2012

### Dissertations

Doctorate, Strain Rate Dependence And Impact Behavior Of ABS (Acrylonitrile-Butadiene-Styrene) Amorphous Thermoplastic, Wayne State University, Mechanical Engineering, 2017

Postgraduate, Free vibration analyses of abs (acrylonitrile-butadiene-styrene) rectangular plates with completely free boundary conditions, Wayne State University, Mechanical Engineering, 2012

### Research Areas

Mechanical Engineering, Engineering and Technology

### Academic Titles / Tasks

Lecturer, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği, 2018 - Continues

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

- I. **Numerical prediction of mechanical behavior of acrylonitrile-butadiene-styrene under three-point bending and impact loadings by Anand-Gurtin material model**  
DÜNDAR M. A. , Dhaliwal G. S. , NURALIYEV M., Ayorinde E. O.  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, 2022 (Journal Indexed in SCI)
- II. **Tensile, compression, and flexural characteristics of acrylonitrile-butadiene-styrene at low strain rates: Experimental and numerical investigation**  
Dundar M. A. , Dhaliwal G. S. , Ayorinde E., Al-Zubi M.  
POLYMERS & POLYMER COMPOSITES, vol.29, no.5, pp.331-342, 2021 (Journal Indexed in SCI)
- III. **Experimental and numerical investigation on flexural behavior of acrylonitrile-butadiene-styrene polymer**  
Dundar M. A. , Dhaliwal G. S. , Ayorinde E.  
POLYMER ENGINEERING AND SCIENCE, vol.60, no.11, pp.2930-2944, 2020 (Journal Indexed in SCI)
- IV. **Investigation for impact behavior of acrylonitrile-butadiene-styrene amorphous thermoplastic**  
Dundar M. A. , Dhaliwal G. S.

## Articles Published in Other Journals

- I. **Four Point Flexural Response of Acrylonitrile-Butadiene-Styrene**  
Dhaliwal G. S. , Dundar M. A.  
JOURNAL OF COMPOSITES SCIENCE, vol.4, no.2, 2020 (Journal Indexed in ESCI)
- II. **Sound and vibration considerations of some materials for automotive engineering applications**  
Al-Zubi M., Ayorinde E., Alshabatat N., Dundar M. A. , Murty Y.  
American Journal of Applied Sciences, vol.11, no.10, pp.1784-1797, 2014 (Refereed Journals of Other Institutions)

## Refereed Congress / Symposium Publications in Proceedings

- I. **MODAL ANALYSIS ON DETERMINATION OF DYNAMIC PARAMETERS OF RECTANGULAR UHMWPE PLATES**  
Özenç O., Dünder M. A. , Şahin D. E.  
6th INTERNATIONAL CONGRESS ON INNOVATIVE SCIENTIFIC APPROACHES, Samsun, Turkey, 19 - 20 December 2021, pp.338-347
- II. **Determination of impact behavior of ABS from acoustic emission, ultrasound and optics**  
Dundar M. A. , Ayorinde E., Al-Zubi M.  
ASME 2015 International Mechanical Engineering Congress and Exposition, IMECE 2015, Texas, United States Of America, 13 - 19 November 2015, vol.9-2015
- III. **Plate vibration and geometry study of impact-control ABS**  
Dundar M. A. , Ayorinde E.  
ASME 2013 International Mechanical Engineering Congress and Exposition, IMECE 2013, San Diego, CA, United States Of America, 15 - 21 November 2013, vol.9
- IV. **Investigation of some circular membrane-patch acoustic meta-materials**  
Ayorinde E., Al-Zubi M., Mohammad F., Dundar M. A.  
ASME 2013 International Mechanical Engineering Congress and Exposition, IMECE 2013, San Diego, CA, United States Of America, 15 - 21 November 2013, vol.9

## Citations

Total Citations (WOS):9

h-index (WOS):2