

Personal Information

Email: omercanfarukoglu@gazi.edu.tr

Web: <https://avesis.gazi.edu.tr/omercanfarukoglu>

Education

Doctorate, Gazi University, Teknoloji Fakültesi, İmalat Mühendisliği, Turkey 2021 - Continues

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Turkey 2013 - 2016

Undergraduate, TOBB University of Economics and Technology, Mühendislik Fakültesi, Makine Mühendisliği, Turkey 2008 - 2012

Dissertations

Postgraduate, Elastic analysis of orthotropic cylinders under different boundary conditions, Middle East Technical University, Graduate School Of Natural And Applied Sciences, 2016

Research Areas

Mechanical, Composites

Journal articles indexed in SCI, SSCI, and AHCI

- I. **Stress field analysis of functionally graded polar orthotropic disk on a rigid inclusion subjected to variable angular velocity**
Motameni A., Farukoğlu Ö. C., KORKUT İ., GÜRBÜZ R.
JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, vol.38, no.1, pp.323-332, 2024 (SCI-Expanded)
- II. **Comprehensive elastic analysis of functionally graded variable thickness pressurized disk**
Farukoğlu Ö. C., Korkut İ., Motameni A.
ZAMM-ZEITSCHRIFT FÜR ANGEWANDTE MATHEMATIK UND MECHANIK, vol.103, no.11, 2023 (SCI-Expanded)
- III. **Pure bending of fiber reinforced curved beam at the failure limit**
Farukoğlu Ö. C., Korkut İ., Motameni A.
ARCHIVE OF APPLIED MECHANICS, vol.93, no.7, pp.2965-2981, 2023 (SCI-Expanded)
- IV. **Failure stress response of rotating multilayered fiber reinforced annular disk**
Farukoglu Ö. C., Korkut İ.
MECHANICS BASED DESIGN OF STRUCTURES AND MACHINES, vol.51, no.9, pp.5164-5178, 2023 (SCI-Expanded)
- V. **Thermo-mechanical stress analysis of rotating fiber reinforced variable thickness disk**
Can Farukoglu Ö. C., KORKUT İ.
JOURNAL OF STRAIN ANALYSIS FOR ENGINEERING DESIGN, vol.57, no.8, pp.664-676, 2022 (SCI-Expanded)
- VI. **An analytical evaluation method to estimate effects of void induced errors on the stresses of pressurized fiber reinforced composite tube**
Farukoglu Ö. C., KORKUT İ.
MATERIALS TODAY COMMUNICATIONS, vol.31, 2022 (SCI-Expanded)

VII. On the elastic limit stresses and failure of rotating variable thickness fiber reinforced composite disk

Farukoglu Ö. C., KORKUT İ.

ZAMM-ZEITSCHRIFT FÜR ANGEWANDTE MATHEMATIK UND MECHANIK, no.9, 2021 (SCI-Expanded)

Articles Published in Other Journals

I. Analytical solutions for transversely isotropic fiber-reinforced composite cylinders under internal or external pressure

FARUKOĞLU Ö. C., KORKUT İ.

Politeknik Dergisi, vol.24, no.2, pp.663-672, 2021 (ESCI)

II. Elastic Stresses of Rotating Transversely Isotropic Fiber Reinforced Composite Cylinders

Farukoğlu Ö. C., Korkut İ.

International Journal of Engineering and Applied Sciences, vol.12, no.4, pp.125-137, 2020 (Peer-Reviewed Journal)

Metrics

Publication: 9

Citation (WoS): 14

Citation (Scopus): 22

H-Index (WoS): 2

H-Index (Scopus): 3