

Asst. Prof. HAMZA ARDA DEVECİ

Personal Information

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Address: Erzincan Binali Yıldırım Üniversitesi Mühendislik Fakültesi Yalnızbağ Kampüsü Erzincan/Türkiye

Education Information

Doctorate, Izmir Institute Of Technology, Institute Of Engineering And Natural Sciences, Mechanical Engineering, Turkey
2012 - 2018

Postgraduate, Izmir Institute Of Technology, Institute Of Engineering And Natural Sciences, Mechanical Engineering,
Turkey 2009 - 2011

Undergraduate, Dokuz Eylul University, Faculty Of Engineering, Department Of Mechanical Engineering, Turkey 2003 -
2008

Foreign Languages

English, C2 Mastery

Dissertations

Doctorate, Optimum Design of Carbon/Epoxy Composite Laminates for Maximum Fatigue Life using Multiaxial
Prediction Models, Izmir Institute Of Technology, Institute Of Engineering And Natural Sciences, Mechanical Engineering,
2017

Postgraduate, Optimum design of anti-buckling behaviour of the laminated composites considering puck failure criterion
by genetic algorithm, Izmir Institute Of Technology, Faculty Of Engineering, Department Of Mechanical Engineering
(English), 2011

Research Areas

Mechanical Engineering, Mechanical, Solid Mechanics, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Erzincan Binali Yıldırım University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği Bölümü,
2018 - Continues

Academic and Administrative Experience

Deputy Head of Department, Erzincan Binali Yıldırım University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği

Courses

Mechanics of Composite Materials, Postgraduate, 2018 - 2019, 2019 - 2020
İngilizce XV, Undergraduate, 2019 - 2020
Plates and Panels, Postgraduate, 2019 - 2020
Statics, Undergraduate, 2018 - 2019
Dynamics, Undergraduate, 2018 - 2019, 2019 - 2020
Strength of Materials 1, Undergraduate, 2018 - 2019, 2019 - 2020
Strength of Materials 2, Undergraduate, 2018 - 2019

Advising Theses

Deveci H. A. , Boyutsal kararlı kompozit malzeme tasarımı, Postgraduate, H.GEÇMEZ(Student), Continues

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

- I. **On the estimation and optimization capabilities of the fatigue life prediction models in composite laminates**
Deveci H. A. , Artem H. S.
Journal of Reinforced Plastics and Composites, vol.37, no.21, pp.1304-1321, 2018 (Journal Indexed in SCI)
- II. **Optimum design of fatigue-resistant composite laminates using hybrid algorithm**
Deveci H. A. , Artem H. S.
Composite Structures, vol.168, pp.178-188, 2017 (Journal Indexed in SCI)
- III. **Buckling optimization of composite laminates using a hybrid algorithm under Puck failure criterion constraint**
Deveci H. A. , Aydın L., Seçil Artem H.
Journal of Reinforced Plastics and Composites, vol.35, no.16, pp.1233-1247, 2016 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Karbon/Epoksi Kompozit Laminatların Yorulma Ömrü Artırımına Yönelik Optimum Tasarımı**
Deveci H. A. , Artem H. S.
International Design and Engineering Symposium, İzmir, Turkey, 10 - 12 October 2019, pp.263-264
- II. **Optimum Design of Carbon/Epoxy Composite Laminates for Maximum Fatigue Life**
Deveci H. A. , Artem H. S. , Güneş M. D. , Tanoğlu M.
IV. International Ege Composite Materials Symposium, İzmir, Turkey, 6 - 08 September 2018, pp.47
- III. **Optimization and Characterization of Fatigue Behavior of Glass Fiber Reinforced Polymer Matrix Composites**
Güneş M. D. , Şen S., Deveci H. A. , Tanoğlu G., Tanoğlu M.
IV. International Ege Composite Materials Symposium, İzmir, Turkey, 6 - 08 September 2018, pp.45
- IV. **Optimum Design of Fatigue-Resistant Carbon/Epoxy Composite Laminates**
Deveci H. A. , Artem H. S.
The 7th Fatigue Design Conference, Paris, France, 28 - 29 November 2017
- V. **On the estimation and optimization capabilities of the fatigue life prediction models in composite laminates**
Deveci H. A. , Artem S.

3rd International Conference on Mechanics of Composites, Bologna, Italy, 4 - 07 July 2017, pp.92-93

- VI. **Optimum Design of Laminated Composites for Maximum Fatigue Life**
Deveci H. A. , Artem H. S.
10th International Conference on Composite Science and Technology, Lisbon, Portugal, 2 - 04 September 2015
- VII. **Çevrimsel yüklemeye maruz tabakalı kompozitlerin maksimum yorulma ömrü için optimum tasarımı**
Deveci H. A. , Artem H. S.
TriSToMM - Uluslararası katılımlı 17. Makina Teorisi Sempozyumu, İzmir, Turkey, 14 - 17 June 2015, pp.31-38
- VIII. **Stacking Sequences Optimization of the Anti-Buckled Laminated Composites considering Various Failure Criteria**
Söyleyici M. U. , Deveci H. A. , Artem H. S. , Aydın L.
II. Ulusal Ege Kompozit Malzemeler Sempozyumu, Aydın, Turkey, 7 - 09 November 2013, pp.39-55
- IX. **BURKULMAYA DİRENÇLİ TABAKALI KOMPOZİTLERİN FARKLI KIRILMA KRİTERLERİYLE FİBER AÇI DİZİLİMİ OPTİMİZASYONU**
SÖYLEYİCİ M. U. , DEVECİ H. A. , ARTEM H. S. , AYDIN L.
II. ULUSAL EGE KOMPOZİT MALZEMELER SEMPOZYUMU, Aydın, Turkey, 7 - 09 November 2013, pp.39-55
- X. **Optimum Design for Anti-Buckled Laminated Composites considering Puck Failure Criterion by Genetic Algorithm**
Deveci H. A. , Aydın L., Artem H. S.
The 4th International Conference on Mathematical and Computational Applications, Manisa, Turkey, 11 - 13 June 2013, pp.372-381
- XI. **Weight Optimization of the Laminated Composites as An Aircraft Structure Material using Different Failure Criteria**
Deveci H. A. , Söyleyici M. U. , Aydın L., Artem H. S.
2nd International Symposium on Computing in Science & Engineering, Aydın, Turkey, 1 - 04 June 2011, pp.403-406