Asst. Prof. CİHAN ÇİFTCİ

Personal Information

Office Phone: +90 352 224 8800 Extension: 7233
Email: cihan.ciftci@agu.edu.tr
Web: https://avesis.agu.edu.tr/cihan.ciftci

International Researcher IDs
ORCID: 0000-0001-9199-6437
Yoksis Researcher ID: 56463

Education Information

Doctorate, University of Massachusetts Amherst, Mühendislik Fakültesi, İnşaat Mühendisliği, United States Of America 2009 - 2012
Postgraduate, Bogazici University, Faculty Of Engineering, İnşaat Mühendisliği, Turkey 2007 - 2009
Undergraduate, Bogazici University, Faculty Of Engineering, İnşaat Mühendisliği, Turkey 2002 - 2007

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Risk Quantification of Maple Trees Subjected to Wind Loading, University Of Massachusetts Amherst, College Of Engineering, Civil And Environmental Engineering, 2012
Postgraduate, Stability of Steel Dome Structures, Boğaziçi Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği, 2009

Research Areas

Mechanics of Solid Bodies, Structural Mechanics, Building Dynamics, Building Stability, Structural Engineering, Steel Structures, Performance of Constructed Facilities, Earthquake Engineering, Composite materials, Wind power, Computer Aided Design and Manufacturing, Plastic Forming Methods, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Abdullah Gul University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2018 - Continues
Assistant Professor, Abdullah Gul University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2013 - 2018
Research Assistant, University of Massachusetts Amherst, Mühendislik Fakültesi, İnşaat Mühendisliği, 2009 - 2012

Academic and Administrative Experience

Abdullah Gül Üniversitesi, Enstitü, 2013 - 2014

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Experimental Investigation on the Bonding Strength of Knotted CFRP Bars in Bulk Plastics**
ÇİFTCİ C.
Polymers, vol.15, no.9, 2023 (SCI-Expanded)

II. **Investigation of the Mechanical Behavior of a New Generation Wind Turbine Blade Technology**
ÇİFTCİ C., Erdoğan A., GENÇ M. S.
Energies, vol.16, no.4, 2023 (SCI-Expanded)

III. **A rational utilization of reinforcement material for flexural design of 3D-printed composite beams**
ÇİFTCİ C., Sas H. S.
Journal of Reinforced Plastics and Composites, 2019 (SCI-Expanded)

IV. **Analysis of the probability of failure for open-grown trees during wind storms**
ÇİFTCİ C., Arwade S. R., Kane B., Brena S. F.
PROBABILISTIC ENGINEERING MECHANICS, vol.37, pp.41-50, 2014 (SCI-Expanded)

V. **Loss in moment capacity of tree stems induced by decay**
ÇİFTCİ C., Kane B., Brena S. F., Arwade S. R.
TREES-STRUCTURE AND FUNCTION, vol.28, no.2, pp.517-529, 2014 (SCI-Expanded)

VI. **The effect of crown architecture on dynamic amplification factor of an open-grown sugar maple (Acer saccharum L.)**
Ciftci C., Brena S. F., Kane B., Arwade S. R.
TREES-STRUCTURE AND FUNCTION, vol.27, no.4, pp.1175-1189, 2013 (SCI-Expanded)

Articles Published in Other Journals

I. **Numerical Analysis of Stiff Differential Equations via Interpolated Variational Iteration Method**
ATAY M. T., ŞAŞ ÇAYCI H. S., ÇİFTCİ C., COŞKUN S. B., TOKER B., YILDIRIM A. T.
Journal of Basic and Applied Research International, vol.24, no.1, pp.15-24, 2018 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **Experimental Study on Increase of Bonding Strength of FRP Reinforcement in Concrete**
Taskin F., ÇİFTCİ C.
10th International Conference on Fibre-Reinforced Polymer (FRP) Composites in Civil Engineering (CICE), İstanbul, Turkey, 8 - 10 December 2021, vol.198, pp.193-200

II. **Investigation of compressive performance of 3D printed carbon fiber reinforced plastics**
Eroglu F., Yildirim A. T., Yesilyurt O., Sas H. S., ÇİFTCİ C.
SAMPE Long Beach 2018 Conference and Exhibition, California, United States Of America, 21 - 24 May 2018

III. **Effect of ambient temperature on the flexural behavior of 3D printed composite beams**
Yildirim A. T., Eroglu F., Yesilyurt O., Albayrak K., Sas H. S., ÇİFTCİ C.
SAMPE Long Beach 2018 Conference and Exhibition, California, United States Of America, 21 - 24 May 2018

IV. **Numerical Characterization of Permeability Tensor of Fiber Preforms for Liquid Composite Molding Applications**
ÇELİK M., ÇİFTCİ C., ESKİZEYBEK V., ŞAŞ ÇAYCI H. S.
International Conference on Computational and Experimental Science and Engineering (ICCESEN 2017), Antalya, Turkey, 4 - 08 October 2017, pp.655

V. **The Numerical Solutions for Stiff Ordinary Differential Equations by Using Interpolated Variational Iteration Method with Comparison to Exact Solutions**
ÇİFTCİ C., ŞAŞ ÇAYCI H. S., ATAY M. T., Toker B., Guncan B., Yildirim A. T.
International Conference of Numerical Analysis and Applied Mathematics (ICNAAM), Thessaloniki, Greece, 25 - 30

September 2017, vol.1978

VI. **The Numerical Solutions for Stiff Ordinary Differential Equations by Using Interpolated Variational Iteration Method with Comparison to Exact Solution**
ÇİFTCİ C., ŞAŞ H. S., ATAY M. T., Toker B., Güncan B., Yıldırım A. T.
15th INTERNATIONAL CONFERENCE OF NUMERICAL ANALYSISAND APPLIED MATHEMATICS 2017, Thessaloniki, Greece, 25 - 30 September 2017

VII. **Planning the Green City: Relationships Between Trees and Infrastructures**
ÇİFTCİ C., Brena S., KANE B., ARWADE S.
European Conference of Arboriculture, 26 - 28 May 2014

Supported Projects

ÇİFTCİ C., ŞAŞ ÇAYCI H. S., Project Supported by Higher Education Institutions, Otomotiv Sektörüne Yönelik Yeni Nesil Hibrit Kompozit Malzemelerin Geliştirilmesi, 2017 - 2019

Scientific Refereeing

Arboriculture and Urban Forestry, SCI Journal, September 2013

Metrics

Publication: 14
Citation (WoS): 37
Citation (Scopus): 43
H-Index (WoS): 3
H-Index (Scopus): 3

Congress and Symposium Activities

European Conference of Arboriculture, Attendee, Torino, Italy, 2014
International Society of Arboriculture, Attendee, Portland/Oregon, United States Of America, 2012