

## Asst. Prof. CİHAN ÇİFTÇİ

### Personal Information

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### 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. **Wind farm site selection using GIS-based multicriteria analysis with Life cycle assessment integration**  
Demir A., Dinçer A. E., Çiftçi C., Gülçimen S., Uzal N., Yılmaz K.  
Earth Science Informatics, vol.17, no.2, pp.1591-1608, 2024 (SCI-Expanded)
- II. **Experimental Investigation on the Bonding Strength of Knotted CFRP Bars in Bulk Plastics**  
ÇİFTÇİ C.  
Polymers, vol.15, no.9, 2023 (SCI-Expanded)
- III. **Investigation of the Mechanical Behavior of a New Generation Wind Turbine Blade Technology**  
ÇİFTÇİ C., Erdoğan A., GENÇ M. S.  
Energies, vol.16, no.4, 2023 (SCI-Expanded)
- IV. **A rational utilization of reinforcement material for flexural design of 3D-printed composite beams**  
ÇİFTÇİ C., Sas H. S.  
Journal of Reinforced Plastics and Composites, 2019 (SCI-Expanded)
- V. **Analysis of the probability of failure for open-grown trees during wind storms**  
ÇİFTÇİ C., Arwade S. R., Kane B., Brena S. F.  
PROBABILISTIC ENGINEERING MECHANICS, vol.37, pp.41-50, 2014 (SCI-Expanded)
- VI. **Loss in moment capacity of tree stems induced by decay**  
ÇİFTÇİ C., Kane B., Brena S. F., Arwade S. R.  
TREES-STRUCTURE AND FUNCTION, vol.28, no.2, pp.517-529, 2014 (SCI-Expanded)
- VII. **The effect of crown architecture on dynamic amplification factor of an open-grown sugar maple (Acer saccharum L.)**  
Çiftci 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., ÇİFTÇİ 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., ÇİFTÇİ 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., ÇİFTÇİ 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., ÇİFTÇİ 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., ÇİFTÇİ 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**  
ÇİFTÇİ 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**  
ÇİFTÇİ C., ŞAŞ H. S., ATAY M. T., Toker B., Güncan B., Yıldırım A. T.  
15th INTERNATIONAL CONFERENCE OF NUMERICAL ANALYSIS AND APPLIED MATHEMATICS 2017, Thessaloniki, Greece, 25 - 30 September 2017
- VII. **Planning the Green City: Relationships Between Trees and Infrastructures**  
ÇİFTÇİ C., Brena S., KANE B., ARWADE S.  
European Conference of Arboriculture, 26 - 28 May 2014

## Supported Projects

ÇİFTÇİ 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: 15  
Citation (WoS): 37  
Citation (Scopus): 44  
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