

Assoc. Prof. Mahmut KILIÇ

Personal Information

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Education Information

Doctorate, Atatürk Üniversitesi, Fen Bilimler, İnşaat Mühendisliği, Turkey 2014 - 2017

Postgraduate, Atatürk Üniversitesi, Fen Bilimleri Enstitü, İnşaat Mühendisliği -Yapı, Turkey 2012 - 2014

Undergraduate Double Major, Atatürk Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği, Turkey 2006 - 2010

Undergraduate, Atatürk Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey 2005 - 2009

Foreign Languages

English, B1 Intermediate

Certificates, Courses and Trainings

Vocational Training, Enerji Kimlik Belgesi Uzmanı Eğitici Eğitimi, Çevre Şehircilik Bakanlığı, 2021

Vocational Training, Uzaktan Öğreticilik Sertifikası, Atatürk Üniversitesi, 2021

Dissertations

Doctorate, ÜÇGEN TASARIMLI BERKİTMELİ KORNİYERLER VE T KESİTLİ BİRLEŞİMLERDE MOMENT DÖNME

DAVRANIŞININ DENEYSEL VE SAYISAL OLARAK İNCELENMESİ , Atatürk Üniversitesi, İnşaat Mühendisliği, Yapı, 2017

Postgraduate, Korniyerli be berkitmeli birleşimlerin moment-dönme davranışının araştırılması, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği, 2014

Research Areas

Civil Engineering, Structure, Steel Structures, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Ataturk University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2018 - Continues

Research Assistant, Ataturk University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2013 - 2018

Academic and Administrative Experience

Deputy Head of Department, Ataturk University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2021 - Continues

Fakülte Yönetim Kurulu Üyesi, Ataturk University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2020 - Continues

Courses

Advanced Steel Structures I, Postgraduate, 2020 - 2021

Yapı statığı II, Undergraduate, 2019 - 2020

YAPI MÜHENDİSLİĞİNDE MODEL DENEYLER VE MODELLEME TEKNİKLERİ, Postgraduate, 2020 - 2021

YAPI STATIĞI I, Undergraduate, 2018 - 2019

Jury Memberships

Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, May, 2021

Post Graduate, Post Graduate, Atatürk Üniversitesi, August, 2020

Post Graduate, Post Graduate, Atatürk Üniversitesi, June, 2020

Post Graduate, Post Graduate, Atatürk Üniversitesi, August, 2019

Post Graduate, Post Graduate, Erzurum Teknik Üniversitesi, June, 2019

Post Graduate, Post Graduate, Atatürk Üniversitesi, June, 2019

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, July, 2018

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

- I. **Experimental Behavior of Cold-Formed Stainless Steel Screwed Beam-Column Connections at Post-Fire Condition**
Cirpici B. K. , Orhan S. N. , Kılıç M., Maali M., Sağiroğlu M.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF CIVIL ENGINEERING, vol.45, no.3, pp.1593-1609, 2021 (Journal Indexed in SCI)
- II. **Buckling Behavior of Nose Cone Type Steel Tanks Including Horizontal Imperfection**
KILIÇ M.
INTERNATIONAL JOURNAL OF STEEL STRUCTURES, vol.21, no.4, pp.1408-1419, 2021 (Journal Indexed in SCI)
- III. **Buckling behavior of double-layered composite cylindrical shells**
Maali M., BAYRAK B., KILIÇ M., Sagioglu M., AYDIN A. C.
INTERNATIONAL JOURNAL OF PRESSURE VESSELS AND PIPING, vol.191, 2021 (Journal Indexed in SCI)
- IV. **The shear and flexural behavior of cold-formed steel composite I and U beams**
Aydın A. C. , Bayrak B., Maali M., Mete E., Cebi K., Kılıç M.
Scientia Iranica, vol.28, no.4, pp.2119-2132, 2021 (Journal Indexed in SCI Expanded)
- V. **The mechanical behavior of thermally enhanced polypropylene concrete**
AYDIN A. C. , Alcan H. G. , BAYRAK B., KILIÇ M., Maali M.
CONSTRUCTION AND BUILDING MATERIALS, vol.262, 2020 (Journal Indexed in SCI)
- VI. **Post-fire behavior of CFRP retrofitted thin-walled steel tanks**
Maali M., KILIÇ M.
FIRE AND MATERIALS, vol.44, no.7, pp.1013-1028, 2020 (Journal Indexed in SCI)
- VII. **Buckling Behavior of Sulfate-Corroded Thin-Walled Cylindrical Steel Shells Reinforced with CFRP**
KILIÇ M., Cinar M.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF CIVIL ENGINEERING, 2020 (Journal Indexed in SCI)
- VIII. **CFRP Effect on the Buckling Behavior of Dented Cylindrical Shells**
AYDIN A. C. , Yaman Z., Agcakoca E., KILIÇ M., Maali M., Dizaji A. A.
INTERNATIONAL JOURNAL OF STEEL STRUCTURES, vol.20, no.2, pp.425-435, 2020 (Journal Indexed in SCI)

- IX. **Experimental analysis of the effect of dent variation on the buckling capacity of thin-walled cylindrical shells**
Korucuk F. M. A. , Maali M., KILIÇ M., AYDIN A. C.
THIN-WALLED STRUCTURES, vol.143, 2019 (Journal Indexed in SCI)
- X. **Buckling and post-buckling behavior of various dented cylindrical shells using CFRP strips subjected to uniform external pressure: Comparison of theoretical and experimental data**
Maali M., KILIÇ M., Yaman Z., Ağcakoca E., AYDIN A. C.
THIN-WALLED STRUCTURES, vol.137, pp.29-39, 2019 (Journal Indexed in SCI)
- XI. **The effect of longitudinal imperfections on thin-walled conical shells**
Maali M., AYDIN A. C. , SHOWKATI H., Sagirolu M., KILIÇ M.
JOURNAL OF BUILDING ENGINEERING, vol.20, pp.424-441, 2018 (Journal Indexed in SCI)
- XII. **A Novel Approach for Bolted T-Stub Connections**
Sagirolu M., Maali M., Kılıç M., Aydın A. C.
INTERNATIONAL JOURNAL OF STEEL STRUCTURES, vol.18, no.3, pp.891-909, 2018 (Journal Indexed in SCI)
- XIII. **Experimental model for predicting the semi-rigid connections' behaviour with angles and stiffeners**
Maali M., Kılıç M., Sagirolu M., Aydın A. C.
ADVANCES IN STRUCTURAL ENGINEERING, vol.20, no.6, pp.884-895, 2017 (Journal Indexed in SCI)
- XIV. **Experimental Model of the Behaviour of Bolted Angles Connections with Stiffeners**
Maali M., Kılıç M., Aydın A. C.
INTERNATIONAL JOURNAL OF STEEL STRUCTURES, vol.16, no.3, pp.719-733, 2016 (Journal Indexed in SCI)
- XV. **Experimental investigation of sinus beams with end-plate connections**
Cüneyt Aydın A. C. , Maali M., KILIÇ M., Sajirolu M.
THIN-WALLED STRUCTURES, vol.97, pp.35-43, 2015 (Journal Indexed in SCI)
- XVI. **Experimental assessment of the semi-rigid connections behavior with angles and stiffeners**
Aydın A. C. , Kılıç M., Maali M., Sajirolu M.
JOURNAL OF CONSTRUCTIONAL STEEL RESEARCH, vol.114, pp.338-348, 2015 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Experimental and numerical investigation of T section connections**
KILIÇ M., AYDIN A. C. , MAALI M., MAALI M.
Challenge Journal of Structural Mechanics, vol.7, no.4, pp.188-200, 2021 (Other Refereed National Journals)
- II. **THE TORSIONAL AND SHEAR BEHAVIOR OF STEEL FIBER REINFORCED RC MEMBERS**
AYDIN A. C. , KILIÇ M., Maali M., BAYRAK B., Tunç E.
ARCHITECTURE CIVIL ENGINEERING ENVIRONMENT, vol.14, no.2, pp.47-65, 2021 (Journal Indexed in ESCI)
- III. **Numeric modelling of innovative semi-rigid connections under cyclic loading**
Aydın A. C. , Ardalani A., Maali M., Kılıç M.
STEEL CONSTRUCTION-DESIGN AND RESEARCH, vol.14, no.1, pp.22-34, 2021 (Journal Indexed in ESCI)
- IV. **Shear Wall Design within the Light of Prominent Standards**
AYDIN A. C. , BAYRAK B., Maali M., KILIÇ M., ALCAN H. G.
Civil Engineering Beyond Limits, vol.1, no.4, pp.13-20, 2020 (Refereed Journals of Other Institutions)
- V. **Moment-rotation behavior of semi-rigid web cleat connections**
Maali M., Maali M., Aydın A. C. , Kılıç M.
Challenge Journal of Structural Mechanics, vol.6, no.3, 2020 (Refereed Journals of Other Institutions)
- VI. **Behavior of Polypropylene Filled Cold Formed Steel Profiles – Part A: Bending Shear**
Maali M., Kılıç M., Bayrak B., Mete E., Çebi K., Aydın A. C.
Civil Engineering Beyond Limits, vol.1, no.2, pp.1-6, 2020 (Refereed Journals of Other Institutions)
- VII. **Behavior of Polypropylene Filled Cold Formed Steel Profiles – Part B: Torsion**
Kılıç M., Maali M., Bayrak B., Çebi K., Mete E., Aydın A. C.
Civil Engineering Beyond Limits, vol.1, no.2, pp.7-11, 2020 (Refereed Journals of Other Institutions)

- VIII. **THE PRELIMINARY UNIAXIAL COMPRESSION BEHAVIOR OF CORRUGATED COLD FORMED STEEL MEMBERS**
Kılıç M., Maali M., Aydın A. C.
ARCHITECTURE CIVIL ENGINEERING ENVIRONMENT, vol.12, no.2, pp.105-116, 2019 (Journal Indexed in ESCI)
- IX. **Experimental behaviour of bolted connections with stiffeners**
Maali M., Kılıç M., Aydın A. C.
STEEL CONSTRUCTION-DESIGN AND RESEARCH, vol.12, no.2, pp.105-113, 2019 (Journal Indexed in ESCI)
- X. **Soğuk Şekil Verilmiş Bükümlü Çeliklerin Tek Eksenli Basınç Davranışı**
Kılıç M.
Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.9, pp.247-253, 2019 (National Refreed University Journal)
- XI. **Experimental Behavior of Bolted T-Stub Connections with IPE Standard Profile**
Maali M., Sağıroğlu M., Kılıç M., Aydın A. C.
Journal of Civil Environmental Engineering, vol.8, pp.1-8, 2018 (Refereed Journals of Other Institutions)
- XII. **Investigation of moment resistance characteristic of bolted semi-rigid connections: An experimental study**
Maali M., Sağıroğlu M., Kılıç M., Aydın A. C.
International journal of engineering research in mechanical and civil engineering, vol.2, pp.85-88, 2017 (Refereed Journals of Other Institutions)
- XIII. **Alt ve Üst Korniyerli Yarı Rijit Birleşimlerde Kaynak Boyu Etkisi**
Aydın A. C. , Kılıç M., Maali M., Sağıroğlu M.
İğdir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.5, pp.41-55, 2015 (National Refreed University Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of load deformation curves of T-joints in steel structures**
KILIÇ M.
International Conference on Life, and Engineering Sciences, İstanbul, Turkey, 11 - 13 December 2020, pp.9-13
- II. **İnce Cidarlı Çelik Silindirik Tanklar Üzerinde Nitrik Asit Korozyonunun Burkulma Davranışına Etkisinin Deneysel İncelenmesi**
MAALI M., KILIÇ M.
8. uluslararası çelik yapılar sempozyumu, Konya, Turkey, 24 - 26 October 2019, pp.458-463
- III. **Buckling and Post-Buckling Behavior of cylindrical shells with CFRP**
AYDIN A. C. , KILIÇ M.
International Civil Engineering Architecture Conference (ICEARC 2019), Trabzon, Turkey, 17 - 20 April 2019, pp.101-107
- IV. **FAILURE MODES OF SCREWED CONNECTIONS IN COLDFORMED STEEL STRUCTURES**
Maali M., SAĞIROĞLU M., KILIÇ M., AYDIN A. C.
42st IAHS World Congress on Housing, 11 - 12 April 2018
- V. **Experimental study on post-fire mechanical properties of S235 steel**
Maali M., SAĞIROĞLU M., KILIÇ M., AYDIN A. C.
ICCCE 2018 : 20th International Conference on Civil and Construction Engineering, VENEĐİK, Italy, 12 - 13 April 2018, vol.12, pp.1757
- VI. **Investigation of moment resistance characteristic of bolted semi-rigid connections: An experimental study**
MAALI M., MAALI M., KILIÇ M., AYDIN A. C.
International Conference on Civil and Structural Engineering, 30 - 31 December 2017
- VII. **An experimental study of the capacity of top and seat T connections with stiffeners**
AYDIN A. C. , Maali M., SAĞIROĞLU M., KILIÇ M.
Construction and Steel Structures 2017, Atlanta, United States Of America, 16 - 18 October 2017, vol.7, pp.61

- VIII. **Behavior of Bolted Connections with T-shaped Element and Seat Angle**
SAĐIROĐLU M., KILIĐ M., Maali M., AYDIN A. C.
GCEC2017 Global Civil Engineering Conference, 26 - 28 June 2017, pp.221
- IX. **Experimental Model of the Behaviour of Bolted Angles Connections with Stiffeners**
AYDIN A. C. , MAALI M., KILIĐ M., SAĐIROĐLU M.
word academy of science, engineering and technology conference proceedings, London, Canada, 29 - 30 September 2016, vol.18, pp.2071-2075
- X. **Experimental Model of the Behavior of the Bolted Angles Connections with Stiffeners**
AYDIN A. C. , Maali M., KILIĐ M., SAĐIROĐLU M.
ICCCE 2016: 18th International Conference on Construction and Civil Engineering, 29-30 September 2016,London, United Kingdom, 29 - 30 September 2016, pp.2071-2075
- XI. **Behavior of the Moment Rotation Curves of Bolted T Stub Connections**
Maali M., KILIĐ M., SAĐIROĐLU M., AYDIN A. C.
41st IAHS World Congress-Sustainability and Innovation for the Future, 13-16 September 2016, Albufeira, Algarve, Portugal, 13 - 16 September 2016
- XII. **Experimental Investigation of Moment Rotation Curve of End Plate Connection with Sinus Beam 16 18 November 2015**
SAĐIROĐLU M., AYDIN A. C. , MAHYAR M., KILIĐ M.
Steel Structure-2015 Conference, Dubai, United Arab Emirates, 16 - 18 November 2015
- XIII. **An Experimental Study on the Moment Rotation of Bolted Beam Column Connection 10 11 October 2015 Zurich Switzerland**
AYDIN A. C. , KILIĐ M., MAHYAR M., SAĐIROĐLU M.
Third International Conference on Advances in Civil, Structural and Environmental Engineering - ACSEE 2015, Zürich, Switzerland, 10 - 11 October 2015

Other Publications

- I. **Experimental Investigation of Moment-Rotation Curve of End-Plate Connection with Sinus Beam, "Steel Structure-2015 Conference, 16-18 November 2015, Dubai**
AYDIN A. C. , KILIĐ M., sađirođlu m., maali m.
Other, pp.141-146, 2015
- II. **An Experimental Study on the Moment-Rotation of Bolted Beam-Column Connection, "Third International Conference on Advances in Civil, Structural and Environmental Engineering - ACSEE 2015, 10-11 October 2015, Zurich, Switzerland**
AYDIN A. C. , KILIĐ M., sađirođlu m., maali m.
Presentation, pp.141-146, 2015

Supported Projects

Bayrak B., Aydın A. C. , KILIĐ M., Project Supported by Higher Education Institutions, BETONARME KOMPOZİT PERDELERİN YİĞİLMALI PLASTİK MAFSAL YAKLAŞIMIYLA DENEYSEL VE SAYISAL MODELLENMESİ, 2020 - 2022

KILIĐ M., AYDIN A. C. , BİLEN M. B. , MAALİ M., ÇİNAR M., Project Supported by Higher Education Institutions, Klor Etkisine Maruz Hafif Çelik Tankların CFRP ile Güçlendirilmesi, 2019 - 2019

AYDIN A. C. , YILMAZ M. F. , MAALİ M., KILIĐ M., Project Supported by Higher Education Institutions, İnce Cidarlı Çelik Silindirlerin Korozyon Etkisinde Burkulma Davranışlarının İncelenmesi, 2019 - 2019

AYDIN A. C. , KILIĐ M., Project Supported by Higher Education Institutions, YARI-RİJİT BİRLEŞİMLERDE MOMENT-DÖNME DAVRANIŞLARININ DENEYSEL VE SAYISAL İNCELENMESİ, 2015 - 2017

AYDIN A. C. , KILIĐ M., Project Supported by Higher Education Institutions, BERKİTMELİ VE KORNİYERLİ BİRLEŞİMLERDE MOMENT-DÖNME EĐRİLERİN DAVRANIŞLARININ DENEYSEL İNCELENMESİ, 2015 - 2016

AYDIN A. C. , KILIÇ M., Project Supported by Higher Education Institutions, YARI-RİJİT T VE ALT KORNİYERLİ BİRLEŞİMLERDE MOMENT-DÖNME EĞRİLERİN DAVRANIŞLARININ DENEYSEL İNCELENMESİ, 2015 - 2016

AYDIN A. C. , KILIÇ M., Project Supported by Higher Education Institutions, KİRİŞİN KOLON GÖVDESİNDE BİRLEŞTİRİLDİĞİ KORNİYERLİ BİRLEŞİM DAVRANIŞLARININ BELİRLENMESİ, 2014 - 2015

AYDIN A. C. , KILIÇ M., Project Supported by Higher Education Institutions, KİRİŞİN KOLON GÖVDESİNE BİRLEŞTİRİLDİĞİ T BİRLEŞİMLER İÇİN MOMENT DÖNME ÖZELLİKLERİN BELİRLENMESİ, 2014 - 2015

Scientific Refereeing

Iranian Journal Of Science And Technology, SCI Journal, October 2019

Iranian Journal of Science and technology, SCI Journal, June 2019

ARABIAN JOURNAL OF GEOSCIENCES, SCI Journal, February 2018

Tasks In Event Organizations

Başçı A., Aydın A. C. , Yılmaz S., Kılıç M., The International Congress on Phenomenological Aspects in Civil Engineering (PACE 2021), Scientific Congress, Erzurum, Turkey, Haziran 2021

Citations

Total Citations (WOS):144

h-index (WOS):8

Awards

Maali M., Maali M., Kılıç M., Aydın A. C. , POSCO-KSSC Award, Posco-Kssc Award

(https://www.springer.com/journal/13296/updates/19669452?error=cookies_not_supported&code=A99fa3dd-Ead0-4Ce1-80D3-7Cff643b32ae), November 2021

Non Academic Experience

Professional Chamber, Türk Mühendis ve Mimar Odaları Birliği, İnşaat Mühendisleri Odası

Professional Chamber, Türk Mühendis ve Mimar odaları Birliği, İnşaat Mühendisleri Odası