

## Assoc. Prof. KERİMCAN ÇELEBİ

### Personal Information

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### International Researcher IDs

ORCID: 0000-0001-6294-0872

Publons / Web Of Science ResearcherID: U-2517-2019

ScopusID: 41260925600

Yoksis Researcher ID: 25616

### Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Makine Müh. Anabilim Dalı, Turkey 2004 - 2010

Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, Makine Müh. Anabilim Dalı, Turkey 2001 - 2004

Undergraduate, Cukurova University, Mühendislik-Mimarlık Fakültesi, Turkey 1996 - 2001

### Foreign Languages

English, C1 Advanced

### Certificates, Courses and Trainings

Education Management and Planning, THEORY AND ANALYSIS OF LAMINATED COMPOSITE STRUCTURES, UNIVERSITY OF PORTO, 2011

Education Management and Planning, YÖNETİM SİMÜLASYONU, EKSER CONSULTING, 2008

Education Management and Planning, MÜZAKERE BECERİLERİ, FED TRAINING, 2008

Education Management and Planning, YÖNETİMDE KRİTİK FAKTÖRLER, DALE CARNEGIE TRAINING, 2008

Education Management and Planning, GELECEĞE YOL ALMAK, Sinerji Eğitim Danışmanlık, 2007

Other, DEĞİŞİMDE YOLCULUK, BALTAS YÖNETİM EĞİTİM DANIŞMANLIK, 2007

Education Management and Planning, CATIA V5 3.DÜZEY, CADEM, 2006

### Dissertations

Doctorate, Vibration analysis of heterogeneous rods and beams, Cukurova University, Makina Mühendisliği, Makine Mühendisliği, 2010

Postgraduate, Analysis of one-dimensional response of an elastic body under dynamic loads, Cukurova University, Makina Mühendisliği, Makine Mühendisliği, 2004

### Research Areas

Mechanical Engineering, Mechanical, Solid Mechanics, Engineering and Technology

## Academic Titles / Tasks

Associate Professor, Cukurova University, Ceyhan Mühendislik Fakültesi, Makine Mühendisliği, 2019 - Continues  
Assistant Professor, Cukurova University, Ceyhan Mühendislik Fakültesi, Makine Mühendisliği, 2018 - 2019  
Assistant Professor, Cukurova University, Ceyhan Mühendislik Fakültesi, Makine Mühendisliği, 2018 - 2018  
Assistant Professor, Adana Alparslan Türkeş Science And Technology University, Faculty Of Engineering, Makine Mühendisliği, 2015 - 2018  
Assistant Professor, Osmaniye Korkut Ata University, Faculty Of Engineering, Makine Mühendisliği, 2011 - 2015  
Research Assistant, Cukurova University, Mühendislik Fakültesi, Makina Müh., 2001 - 2006

## Academic and Administrative Experience

Vice Dean, Cukurova University, Ceyhan Mühendislik Fakültesi, 2020 - Continues  
Adana Science And Technology University, Merkezi Laboratuvar, 2016 - 2018  
Adana Science And Technology University, Müh. Ve Doğa Bilimleri Fakültesi, 2015 - 2016  
Osmaniye Korkut Ata University, İmalat Mühendisliği, 2013 - 2015

## Courses

Mukavemet , Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020  
Mukavemet II, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018  
Computer Programming , Undergraduate, 2022 - 2023, 2021 - 2022  
Computer Programming , Undergraduate, 2022 - 2023, 2021 - 2022  
Makine Elemanları , Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021  
Makine Elemanları 1 , Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019  
Engineering Mechanics II (Dynamics) , Undergraduate, 2022 - 2023  
Engineering Mechanics II (Dynamics) , Undergraduate, 2022 - 2023  
Mukavemet 1 , Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019  
Bilgisayar Destekli Çizim 1 , Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020  
Bil.Des.Çizim II, Undergraduate, 2017 - 2018  
Üretim Org. Ve Yönetim, Undergraduate, 2017 - 2018  
İmalat Yönt. II, Undergraduate, 2017 - 2018  
Mak.Müh.Lab. II, Undergraduate, 2017 - 2018  
Strength of Mat. , Undergraduate, 2017 - 2018

## Advising Theses

Çelebi K., Tren Aks Tekerlek Grubu Sökme Takma Ekipmanı Yapısal Tasarımı ve Prototip İmalatı, Postgraduate, E.BİNGÜLLÜ(Student), 2022  
Çelebi K., BİR VE İKİ BOYUTTA İŞLEVSEL DERECELENDİRİLMİŞ SİLİNDİRLERİN ISILMEKANİK İNCELENMESİ, Doctorate, M.EKER(Student), 2020  
ÇELEBİ K., Boru Hattı Sisteminde Çalışan Pompa Titreşiminin Yapay Sinir Ağı Metodu ile Modellenerek Öngörülen Titreşim Değerleri Üzerinden Arıza Tespiti, Postgraduate, H.DEMİRKIRAN(Student), 2019  
ÇELEBİ K., FONKSİYONEL OLARAK DERECELENDİRİLMİŞ MALZEMEDEN YAPILMIŞ DAİRESEL KANATÇIKLARDA TERMAL GERİLME ANALİZİ, Postgraduate, A.YILDIRIM(Student), 2017  
ÇELEBİ K., Katmanlı polietilen köpük malzemelerin yapısal davranışları, Postgraduate, E.MELEMENCİ(Student), 2017  
ÇELEBİ K., Üniform olmayan kesite sahip piezoelektrik bir çubugun serbest titreşim analizi, Postgraduate, M.EKER(Student), 2015

## **jury memberships**

Post Graduate, Post Graduate, Osmaniye Korkut Ata Üniversitesi, August, 2022  
Post Graduate, Post Graduate, Osmaniye Korkut Ata Üniversitesi, August, 2021  
Doctorate, Doctorate, Çukurova Üniversitesi, January, 2021  
Doctorate, Doctorate, Çukurova Üniversitesi, July, 2020  
Doctoral Examination, Mustafa Safa HORPAN, Çukurova Üniversitesi Makine Müh. Anabilim Dalı, July, 2017  
Doctoral Examination, Mustafa UĞURLU, Mersin Üniversitesi Makine Müh. Anabilim Dalı, July, 2017  
Doctoral Examination, Burhan BAYHAN, Mersin Üniversitesi Makine Müh. Anabilim Dalı, May, 2017  
Doctoral Examination, Süleyman Çınar ÇAĞAN, Mersin Üniversitesi Makine Müh. Anabilim Dalı, May, 2017  
Post Graduate, Sinan ÖNDER, Osmaniye Korkut Ata Üniversitesi Makine Müh. Anabilim Dalı, April, 2017  
Post Graduate, Mehmet Mert KAVUZLU, Çukurova Üniversitesi Makine Müh. Anabilim Dalı, September, 2016  
Post Graduate, Hasan BAŞ, Ondokuz Mayıs Üniversitesi Makine Müh. Anabilim Dalı, May, 2016  
Post Graduate, Gonca DEDE, Çukurova Üniversitesi Otomotiv Müh. Anabilim Dalı, March, 2016  
Post Graduate, Sefa YILDIRIM, Çukurova Üniversitesi Makine Müh. Anabilim Dalı, July, 2013  
Post Graduate, Erinç ULUDAMAR, Çukurova Üniversitesi Makine Müh. Anabilim Dalı, January, 2011

## **Published journal articles indexed by SCI, SSCI, and AHCI**

- I. **Nonlinear thermal stress analysis of functionally graded spherical pressure vessels**  
Yıldırım A., Yarimpabuç D., Eker M., Arıkan V., Çelebi K.  
INTERNATIONAL JOURNAL OF PRESSURE VESSELS AND PIPING, vol.200, 2022 (SCI-Expanded)
- II. **Short-term air temperature prediction by adaptive neuro-fuzzy inference system (ANFIS) and long short-term memory (LSTM) network**  
Şekertekin A., Bilgili M., Arslan N., Yıldırım A., Çelebi K., Özbek A.  
METEOROLOGY AND ATMOSPHERIC PHYSICS, vol.133, pp.943-959, 2021 (SCI-Expanded)
- III. **Thermal wave propagation in a functionally graded annular fin with fixed base**  
Yıldırım A., Eker M., Yarimpabuç D., Çelebi K.  
WAVES IN RANDOM AND COMPLEX MEDIA, no.0, 2021 (SCI-Expanded)
- IV. **Long short-term memory (LSTM) neural network and adaptive neuro-fuzzy inference system (ANFIS) approach in modeling renewable electricity generation forecasting**  
BİLGİLİ M., Yıldırım A., ÖZBEK A., ÇELEBİ K., Ekinci F.  
INTERNATIONAL JOURNAL OF GREEN ENERGY, vol.18, no.6, pp.578-594, 2021 (SCI-Expanded)
- V. **Thermal stress analysis of functionally graded solid and hollow thick-walled structures with heat generation**  
Eker M., Yarimpabuc D., ÇELEBİ K.  
ENGINEERING COMPUTATIONS, vol.38, no.1, pp.371-391, 2021 (SCI-Expanded)
- VI. **Transient thermal stress analysis of functionally graded annular fin with free base**  
Yıldırım A., Yarimpabuc D., ÇELEBİ K.  
JOURNAL OF THERMAL STRESSES, vol.43, no.9, pp.1138-1149, 2020 (SCI-Expanded)
- VII. **Investigating the Effect of Weight Reduction of Rod-End in Drag-Link Product with Finite Element Analysis, Fatigue Test, and a Case Study**  
Uludamar E., Tas M., Bicer S. G., Yıldırım C., Yıldırım E. A., ÇELEBİ K.  
INTERNATIONAL JOURNAL OF AUTOMOTIVE TECHNOLOGY, vol.21, no.2, pp.513-518, 2020 (SCI-Expanded)
- VIII. **A Practical Approach for Thermal Stress of Functionally Graded Annular Fin**  
Yıldırım A., Celebi K., Yarimpabuc D.  
JOURNAL OF ENGINEERING THERMOPHYSICS, vol.28, no.4, pp.556-568, 2019 (SCI-Expanded)
- IX. **Thermal stress analysis of functionally graded annular fin**  
Yıldırım A., Yarimpabuc D., ÇELEBİ K.  
JOURNAL OF THERMAL STRESSES, vol.42, no.4, pp.440-451, 2019 (SCI-Expanded)
- X. **Exact analysis of hydrogen induced stress in metal solid sphere**  
Yarimpabuc D., ÇELEBİ K., Calik A., Horpan M. S.

- INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.43, no.38, pp.18053-18058, 2018 (SCI-Expanded)
- XI. **Forced vibration analysis of inhomogeneous rods with non-uniform cross-section**  
ÇELEBİ K., Yarimpabuc D., Baran T.  
JOURNAL OF ENGINEERING RESEARCH, vol.6, no.3, pp.189-202, 2018 (SCI-Expanded)
- XII. **Free vibration analysis of functionally graded beams using complementary functions method**  
Celebi K., Yarimpabuc D., TÜTÜNCÜ N.  
ARCHIVE OF APPLIED MECHANICS, vol.88, no.5, pp.729-739, 2018 (SCI-Expanded)
- XIII. **Evaluation of fuel consumption and vibration characteristic of a compression ignition engine fuelled with high viscosity biodiesel and hydrogen addition**  
ÇELEBİ K., Uludamar E., ÖZCANLI M.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.42, no.36, pp.23379-23388, 2017 (SCI-Expanded)
- XIV. **Experimental and artificial neural network approach of noise and vibration characteristic of an unmodified diesel engine fuelled with conventional diesel, and biodiesel blends with natural gas addition**  
Celebi K., Uludamar E., TOSUN E., YILDIZHAN Ş., AYDIN K., ÖZCANLI M.  
FUEL, vol.197, pp.159-173, 2017 (SCI-Expanded)
- XV. **A NOVEL APPROACH TO THERMAL AND MECHANICAL STRESSES IN A FGM CYLINDER WITH EXPONENTIALLY-VARYING PROPERTIES**  
Celebi K., Yarimpabuc D., Keles I.  
JOURNAL OF THEORETICAL AND APPLIED MECHANICS, vol.55, no.1, pp.343-351, 2017 (SCI-Expanded)
- XVI. **A unified method for stresses in FGM sphere with exponentially-varying properties**  
Celebi K., Yarimpabuc D., Keles I.  
STRUCTURAL ENGINEERING AND MECHANICS, vol.57, no.5, pp.823-835, 2016 (SCI-Expanded)
- XVII. **Free vibration analysis of functionally graded beams using an exact plane elasticity approach**  
Celebi K., TÜTÜNCÜ N.  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, vol.228, no.14, pp.2488-2494, 2014 (SCI-Expanded)
- XVIII. **CLOSED-FORM SOLUTIONS FOR FORCED VIBRATION ANALYSIS OF INHOMOGENOUS ROD**  
Celebi K., Keles I., TÜTÜNCÜ N.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.27, no.4, pp.753-763, 2012 (SCI-Expanded)

#### Articles Published in Other Journals

- I. **KOMPOZİT BİR SİLİNDİR GÖMLEĞİNDE İKİ BOYUTLU SICAKLIK DAĞILIMIN SAYISAL İNCELENMESİ**  
Yıldırım A., Yarimpabuç D., Çelebi K.  
KSÜ Mühendislik Bilimleri Dergisi, vol.27, no.1, pp.256-268, 2024 (Peer-Reviewed Journal)
- II. **Investigation of Seismic Behaviour of a Construction of a Conveyor Line in a Coal Power Plant**  
ULUDAMAR E., EGÜZ S., ÇELEBİ K., KARAAHMETLİ S.  
Çukurova Üniversitesi Mühendislik Fakültesi dergisi, vol.38, no.4, pp.1005-1012, 2023 (Peer-Reviewed Journal)
- III. **İŞLEVSEL DERECELENDİRİLMİŞ DAİRESEL BİR KANATÇIĞIN TERMOELASTİK DAVRANIŞININ SAYISAL İNCELENMESİ**  
YILDIRIM A., EKER M., YARIMPABUÇ D., ARIKAN V., ÇELEBİ K.  
KSÜ Mühendislik Bilimleri Dergisi, vol.25, no.4, pp.602-614, 2022 (Peer-Reviewed Journal)
- IV. **Elastic solutions based on the Mori-Tanaka scheme for pressurized functionally graded cylinder**  
EKER M., YARIMPABUÇ D., YILDIRIM A., ÇELEBİ K.  
Journal of Applied Mathematics and Computational Mechanics, vol.19, no.4, pp.57-68, 2020 (ESCI)
- V. **Heat Conduction Analysis of Two-Dimensional Anisotropic Plate**  
YARIMPABUÇ D., CİHAN E., ÇELEBİ K., EKER M.  
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.35, no.1, pp.139-147, 2020 (Peer-Reviewed)

Journal)

- VI. **Investigating the noise generation of a compression ignition engine at different filters**  
ULUDAMAR E., ÖZCANLI M., ÇELEBİ K., AYDIN K.  
European Mechanical Science, vol.3, no.3, pp.88-91, 2019 (Peer-Reviewed Journal)
- VII. **A Practical Method for the Dynamic Analysis of Non-Uniform Piezoelectric Rod**  
YARIMPABUC D., EKER M., ÇELEBİ K.  
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, no.23, pp.181-186, 2019 (Peer-Reviewed Journal)
- VIII. **Forced Vibration Analysis of Non-Uniform Piezoelectric Rod by Complementary Functions Method**  
YARIMPABUC D., EKER M., ÇELEBİ K.  
Karaelmas Fen ve Mühendislik Dergisi, vol.8, no.2, pp.496-504, 2018 (Peer-Reviewed Journal)
- IX. **İzotropik Malzemeden Yapılmış Dairesel Kanatçıklardaki Isıl Gerilmelerin Sayısal Modellemesi**  
YILDIRIM A., YARIMPABUC D., ÇELEBİ K.  
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.33, no.3, pp.67-80, 2018 (Peer-Reviewed Journal)
- X. **Mechanical Behaviour of Functionally Graded Pressure Vessels Under the Effect of Poisson's Ratio**  
YARIMPABUC D., EKER M., ÇELEBİ K.  
European Mechanical Science, vol.2, no.2, pp.52-59, 2018 (Peer-Reviewed Journal)
- XI. **Karbon Lifi/Epoksi Tabakalı Kompozit Malzemelerin Farklı Ortam Şartlarındaki Mod I Kırılma Davranışı**  
Darıcık F., Çelebi K.  
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.32, no.1, pp.223-233, 2017 (Peer-Reviewed Journal)
- XII. **Numerical Analysis and Optimization of Engine Valves**  
YAŞAR A., KESKİN A., ÇELEBİ K.  
International Journal of Automotive Engineering and Technologies, vol.1, pp.19-25, 2017 (Peer-Reviewed Journal)
- XIII. **Tamamlayıcı Fonksiyonlar Yöntemi ile Heterojen Bir Çubugun Zorlanmış Titreşim Analizi**  
Çelebi K., Yarimpabuc D., Eker M.  
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.31, no.2, pp.161-167, 2016 (Peer-Reviewed Journal)
- XIV. **EXACT SOLUTIONS FOR FORCED VIBRATION OF NON UNIFORM RODS BY LAPLACE TRANSFORMATION**  
ÇELEBİ K., KELEŞ İ., TÜTÜNCÜ N.  
Gazi University Journal of Science, vol.24, no.2, pp.347-353, 2011 (Scopus)
- XV. **Analysis of Behaviour of an Elastic Bar with Varying Cross Section Under Dynamic Loads with Laplace Transform Method**  
ÇELEBİ K., TÜTÜNCÜ N., KELEŞ İ.  
Çukurova University Journal of Faculty of Engineering and Architecture, vol.22, no.2, pp.185-196, 2007 (Peer-Reviewed Journal)
- XVI. **Free Vibration and Dynamic Analysis of Uniform and Non Uniform Rods Using Mode Superposition Method**  
ÇELEBİ K., TÜTÜNCÜ N., KELEŞ İ.  
Çukurova University Journal of Faculty of Engineering and Architecture, vol.22, no.2, pp.197-211, 2007 (Peer-Reviewed Journal)

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Structural Analysis of Friction Buffer Stop**  
Çelebi K., Uludamar E.  
7th International Mediterranean Science and Engineering Congress, Antalya, Turkey, 24 - 26 October 2022, pp.240
- II. **A Practical Approach for Thermal Stress of Al-Sic Composite Cylinder Liner**

Yıldırım A., Yarimpabuç D., Çelebi K., Arıkan V.

7th International Mediterranean Science and Engineering Congress, Antalya, Turkey, 24 - 26 October 2022, pp.239

- III. **Kalın Cidarlı İşlevsel Dereceli Silindirin İki Boyutlu Sıcaklık Dağılımı Probleminin Pseudospektral Chebyshev Yöntemi ile Çözümü**  
Eker M., Yarimpabuç D., Çelebi K.  
6th International Mediterranean Science and Engineering Congress (IMSEC 2021), Antalya, Turkey, 25 - 27 October 2021, pp.314
- IV. **KOMPOZİT BİR DİSKİN PSEUDOSPEKTRAL CHEBYSHEV YÖNTEMİ İLE ISIL GERİLME ANALİZİ**  
Yıldırım A., Yarimpabuç D., Arıkan V., Eker M., Çelebi K.  
22. ULUSAL MEKANİK KONGRESİ, Adana, Turkey, 6 - 10 September 2021, pp.510-518
- V. **Transient Thermal Stresses in a Functionally Graded Cylinder by Pseudospectral Chebyshev Method**  
YARIMPABUÇ D., EKER M., ÇELEBİ K., YILDIRIM A.  
41st Solid Mechanics Conference (SOLMECH 2018), VARŞOVA, Poland, 27 - 31 August 2018, vol.1, pp.476-477
- VI. **A Pseudospectral Approach to Thermal Stress Solution of Functionally Graded Cylinder**  
YARIMPABUÇ D., EKER M., YILDIRIM A., ÇELEBİ K.  
3rd International Conference on Engineering Technology and Applied Science, ÜSKÜP, Macedonia, 17 - 21 July 2018, vol.1, pp.103
- VII. **Numerical Analysis of Transient Thermal Stress on Functionally Graded Annular Fin**  
YARIMPABUÇ D., YILDIRIM A., EKER M., ÇELEBİ K.  
3rd International Conference on Engineering Technology and Applied Science, ÜSKÜP, Macedonia, 17 - 21 July 2018, vol.1, pp.104
- VIII. **Stress Analysis of Functionally Graded Cylindrical Pressure Vessels by Pseudospectral Chebyshev Method**  
EKER M., YARIMPABUÇ D., ÇELEBİ K., YILDIRIM A.  
International Advanced Researches and Engineering Congress 2017(IAREC' 17), Osmaniye, Turkey, 16 - 18 November 2017, pp.481
- IX. **Investigation the Poisson's Ratio Effect on Thermal Stresses of Functionally Graded Annular Fin by Using Pseudospectral Chebyshev Method**  
YILDIRIM A., YARIMPABUÇ D., ÇELEBİ K., EKER M.  
International Advanced Researches and Engineering Congress 2017(IAREC' 17), Osmaniye, Turkey, 16 - 18 November 2017
- X. **The Effect of Different Design Parameters on the Analysis and Optimization of Roller Bearings**  
YAŞAR A., ÇELEBİ K., Taş m., Taş i.  
2nd International Mediterranean Science and Engineering Congress, Adana, Turkey, 25 - 27 October 2017, pp.2158
- XI. **Stress Analysis of Functionally Graded Spherical Pressure Vessels by Pseudospectral Chebyshev Method**  
EKER M., YARIMPABUÇ D., ÇELEBİ K., YILDIRIM A.  
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), Adana, Turkey, 25 - 27 October 2017, pp.811
- XII. **Exact analysis of hydrogen induced stress in metal in solid sphere**  
YARIMPABUÇ D., ÇELEBİ K., ÇALIK A.  
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), Adana, Turkey, 25 - 27 October 2017, pp.2294
- XIII. **The Effect of Different Design Parameters on the Analysis and Optimization of Roller Bearings**  
YAŞAR A., ÇELEBİ K., TAŞ M., TAŞ İ.  
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), Adana, Turkey, 25 - 27 October 2017, pp.2158
- XIV. **The Effect of the Poisson's Ratio on Thermal Stresses of Functionally Graded Annular Fin**  
YILDIRIM A., YARIMPABUÇ D., ÇELEBİ K., EKER M.  
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), Adana, Turkey, 25 - 27 October 2017, pp.781

- XV. **Energy and exergy analysis of biodiesel**  
ÖZCANLI M., SERİN H., Calık A., ÇELEBİ K., AKAR M. A.  
European Biotechnology Congress, Dubrovnik, Croatia, 25 - 27 May 2017, vol.256
- XVI. **Thermal Stress Analysis of Functionally Graded Annular Fin by Pseudospectral Chebyshev Method**  
YARIMPABUÇ D., YILDIRIM A., ÇELEBİ K.  
International Conference on Applied Analysis and Mathematical Modeling (ICAAMM17), İstanbul, Turkey, 3 - 07 July 2017, pp.19
- XVII. **The Effect of the Poisson Ratio on Stresses of Heterogeneous Pressure Vessels**  
YARIMPABUÇ D., EKER M., ÇELEBİ K.  
International Conference on Applied Analysis and Mathematical Modeling (ICAAMM17), İstanbul, Turkey, 3 - 07 July 2017, pp.74
- XVIII. **PNÖMATİK TAHRİKLİ ALT UZUV REHABİLİTASYON ROBOTUNDA TEMEL POZİZYON KONTROLÜ**  
ÖZGÜR H. E., SARIGEÇİLİ M. İ., ÇELEBİ K.  
XV. OTOMATİK KONTROL SEMİNER VE SERGİSİ, Adana, Turkey, 25 - 26 May 2017, pp.129-134
- XIX. **A Practical Approach For Thermal Stress Of Functionally Graded Annular Fin**  
YARIMPABUÇ D., YILDIRIM A., ÇELEBİ K.  
INTERNATIONAL CONFERENCE ON MATHEMATICS AND ENGINEERING (ICOME17), İstanbul, Turkey, 10 - 12 May 2017, pp.335
- XX. **Forced Vibration Analysis of Non-Uniform Piezoelectric Rod by Complementary Functions Method**  
YARIMPABUÇ D., EKER M., ÇELEBİ K.  
III INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES (ICENS17), Budapest, Hungary, 3 - 07 May 2017, pp.237
- XXI. **Forced Vibration Analysis of Non-uniform Piezoelectric Rod by Pseudospectral Chebyshev Method**  
YARIMPABUÇ D., EKER M., ÇELEBİ K.  
INTERNATIONAL WORKSHOP ON MATHEMATICAL METHODS IN ENGINEERING (MME 2017), Ankara, Turkey, 27 - 29 April 2017, pp.65
- XXII. **Fire retardancy behaviour determination of polyolefin matrix composites with boron containing fillers**  
HORPAN M. S., TANRIKULU Y. E., GÜNEŞ M., ÇELEBİ K.  
1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Turkey, 26 - 28 October 2016
- XXIII. **Analytical and numerical solutions of anisotropic heat conduction problems with location dependent heat generation**  
YARIMPABUÇ D., CİHAN E., EKER M., ÇELEBİ K.  
1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Turkey, 26 - 28 October 2016, pp.1673-1680
- XXIV. **Cushioning performance and mathematical validation of hotwelded multilayered polymer foams**  
ÇELEBİ K., DARICI F., Erbil y., güzel s., HORPAN M. S.  
1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Turkey, 26 - 28 October 2016, pp.3739
- XXV. **Free vibration analysis of nonuniform piezoelectric rod by chebyshev pseudospectral method**  
YARIMPABUÇ D., EKER M., ÇELEBİ K.  
1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Turkey, 26 - 28 October 2016, pp.1563-1568
- XXVI. **Evaluation of performance and vibration characteristic of an compression ignition engine fuelled with different viscos biodiesels and hydrogen addition**  
ÇELEBİ K., ULUDAMAR E., ÖZCANLI M.  
1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Turkey, 26 - 28 October 2016, pp.4318
- XXVII. **Tamamlayıcı fonksiyonlar yöntemi ile heterojen bir çubuğun zorlanmış titreşim analizi**  
ÇELEBİ K., YARIMPABUÇ D., EKER M.

1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Turkey, 26 - 28 October 2016, pp.3740

**XXVIII. Cushioning performance of hot welded polyethylene foams**

DARICIK F., ÇELEBİ K., ERBİL Y., GÜZEL S.

International Conference on Material Science and Technology in Cappadocia, IMSTEC2016, KAPADOKYA, Turkey, 6 - 08 April 2016, pp.147-150

**XXIX. Free vibration analysis of a nonuniform piezoelectric rod by complementary functions method**

EKER M., ÇELEBİ K., YARIMPABUÇ D.

European Conference on Numerical Mathematics and Advanced Applications (ENUMATH'15), Ankara, Turkey, 14 - 18 September 2015, pp.165

**XXX. Tamamlayıcı Fonksiyonlar metodu ile Üniform Olmayan Kesite Sahip Çubuğun Zorlanmış Titreşim Analizi**

ÇELEBİ K., YARIMPABUÇ D., EKER M.

XIX Ulusal Mekanik Kongresi, Trabzon, Turkey, 24 - 28 August 2015, pp.314-322

**XXXI. Tamamlayıcı Fonksiyonlar metodu ile Üniform Olmayan Kesite Sahip Çubugun Zorlanmış Titreşim Analizi**

ÇELEBİ K., YARIMPABUC D., EKER M.

XIX Ulusal Mekanik Kongresi, Trabzon, Turkey, 1 - 03 August 2015, pp.314-322

**XXXII. Homojen olmayan FGM Çubuk Disk ve Silindirlerin Laplace Transformasyonu ile Zorlanmış Titreşim Analizi**

ÇELEBİ K., KELES I., TÜTÜNCÜ N.

XVI. ULUSAL MEKANİK KONGRESİ, Kayseri, Turkey, 1 - 03 June 2009, pp.417-426

## Supported Projects

Çelebi K., Akıllı H., TUBITAK Project, Hububat Silosu ve Taşıma Sistemleri Tasarımı ve İmalatı, 2020 - 2024

## Scientific Refereeing

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS, PART C: JOURNAL OF MECHANICAL ENGINEERING SCIENCE, SCI Journal, November 2022

ENERGY, SCI Journal, August 2022

COMPUTERS & MATHEMATICS WITH APPLICATIONS, SCI Journal, May 2021

Journal of Thermophysics and Heat Transfer, SCI Journal, July 2019

Journal of Engineered Fibers and Fabrics, SCI Journal, July 2019

Applied Acoustics, SCI Journal, March 2018

Archive of Applied Mechanics, SCI Journal, March 2018

JOURNAL OF LOW FREQUENCY NOISE VIBRATION AND ACTIVE CONTROL, SCI Journal, January 2017

Structural Engineering and Mechanics, SCI Journal, January 2017

Journal of Mechanical Science and Technology, SCI Journal, January 2016

International Journal of Mechanical Sciences, SCI Journal, January 2016

Journal of Mechanical Science and Technology, SCI Journal, January 2015

SAGE Open Engineering, Other Indexed Journal, January 2015

## Metrics

Publication: 66

Citation (WoS): 186

Citation (Scopus): 249

H-Index (WoS): 7

H-Index (Scopus): 9

## **Non Academic Experience**

Business Establishment Private, Temsa A.Ş., Ar-Ge

TEMSA GLOBAL A.Ş.

TEMSA GLOBAL A.Ş.