

## Arş. Gör. Dr. SERVET MERT KUTSAL

### Kişisel Bilgiler

E-posta: servet.mert@kocaeli.edu.tr

Web: <https://avesis.kocaeli.edu.tr/servet.mert>

### Uluslararası Araştırmacı ID'leri

ORCID: 0000-0001-6985-8767

Publons / Web Of Science ResearcherID: F-7137-2018

Yoksis Araştırmacı ID: 146478

### Eğitim Bilgileri

Doktora, Kocaeli Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği, Türkiye 2016 - 2023

Yüksek Lisans, İstanbul Teknik Üniversitesi, Afet Yönetimi Enstitüsü, Deprem Mühendisliği (YI), Türkiye 2013 - 2016

Lisans Çift Anadal, Yıldız Teknik Üniversitesi, İnşaat Fakültesi, İnşaat Mühendisliği Bölümü, Türkiye 2010 - 2013

Lisans, Yıldız Teknik Üniversitesi, İnşaat Fakültesi, Çevre Mühendisliği Bölümü, Türkiye 2008 - 2012

### Araştırma Alanları

İnşaat Mühendisliği , Hidrolik, Mekanik

### Akademik Unvanlar / Görevler

Araştırma Görevlisi, Kocaeli Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği, 2014 - Devam Ediyor

### SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Analysis of functionally graded rotating disks via analytical approximation methods**  
Mert Kutsal S., Coşkun S. B.  
MECHANICS BASED DESIGN OF STRUCTURES AND MACHINES, cilt.0, sa.0, ss.1-21, 2023 (SCI-Expanded)
- II. **Analytical approximations for elastic limit angular velocities of rotating annular disks with hyperbolic thickness**  
Mert Kutsal S., Coşkun S. B.  
JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, cilt.45, sa.6, ss.1-12, 2023 (SCI-Expanded)
- III. **Deformation Analysis of Variable Thickness Rotating Disks Using an Improved Adomian Decomposition Technique**  
Mert Kutsal S., Coşkun S. B.  
International Journal of Applied Mechanics, cilt.12, 2020 (SCI-Expanded)
- IV. **CHARACTERIZATION OF AMBIENT VOLATILE ORGANIC COMPOUNDS AND THEIR DIURNAL VARIATIONS IN ISTANBUL, TURKEY**  
DEMİR S., SARAL A., Isik D., Akyildiz A., KUZU S. L., Mert S., Demir G., GONCALOĞLU B. İ.  
FRESENIUS ENVIRONMENTAL BULLETIN, cilt.20, sa.11, ss.2951-2958, 2011 (SCI-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Elastic Stress Analysis of Hyperbolic Rotating Disks via Optimal Homotopy Asymptotic Method**  
Mert Kutsal S., Coşkun S. B.  
International Journal of Engineering Research in Mechanical and Civil Engineering, cilt.10, sa.4, ss.5-9, 2023  
(Hakemli Dergi)

## **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

- I. **Stress analysis on Functionally Graded Rotating Cylinders via IADM**  
Mert Kutsal S., Coşkun S. B.  
ADVANCED PHYSICS; APPLICATIONS AND SCIENTIFIC INNOVATIONS, Barcelona, İspanya, 19 - 20 Eylül 2024, ss.17
- II. **Elastic Stress Analysis of Hyperbolic Rotating Disks via Optimal Homotopy Asymptotic Method**  
Mert Kutsal S., Coşkun S. B.  
International Conference on Mathematical Techniques in Engineering Applications, Helsingor, Danimarka, 02 Şubat 2023, ss.42
- III. **Vibration of Nanobeams Using Adomian Decomposition Method**  
COŞKUN S. B., MERT KUTSAL S.  
4th INTERNATIONAL ENERGY ENGINEERING CONGRESS 2019 (UEMK 2019), Gaziantep, Türkiye, 24 - 25 Ekim 2019, ss.606-610
- IV. **Buckling of Nanobeams Using Adomian Decomposition Method**  
COŞKUN S. B., MERT KUTSAL S.  
4th INTERNATIONAL ENERGY ENGINEERING CONGRESS 2019 (UEMK 2019), Gaziantep, Türkiye, 24 - 25 Ekim 2019, ss.601-605
- V. **Analytical Approximations for Elastic Stresses and Displacements of Variable Thickness Rotating Disks via Improved Adomian Decomposition Method**  
MERT KUTSAL S., COŞKUN S. B.  
13th INTERNATIONAL CONGRESS ON ADVANCES IN CIVIL ENGINEERING (ACE 2018), 12 - 14 Eylül 2018
- VI. **Is Civil Engineering Education at Kocaeli University Helping Students Realize Their Potentialities?**  
Erdoğan H., Gazeloğlu C., Engin S., Coşkun S. B., Atay M. T., Mert Kutsal S.  
13th International Congress on Advances in Civil Engineering (ACE2018), İzmir, Türkiye, 12 - 14 Eylül 2018, ss.1-8
- VII. **SOME ANALYTICAL APPROXIMATE METHODS FOR TORSIONAL VIBRATIONS AND STABILITY OF THIN-WALLED BEAMS ON ELASTIC FOUNDATIONS**  
COŞKUN S. B., MERT KUTSAL S., GÖÇER M.  
3rd CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING, İstanbul, Türkiye, 19 - 21 Aralık 2017, ss.581
- VIII. **ANALYSIS OF TWIST-BEND BUCKLING OF A CANTILEVER BEAM SUBJECTED TO AN END LOAD VIA ADM AND VIM**  
YÜCESOY A., COŞKUN S. B., MERT KUTSAL S.  
3rd CONFERENCE ON ADVANCES IN MECHANICAL, İstanbul, Türkiye, 19 - 21 Aralık 2017, ss.587
- IX. **Analysis of Beams on Elastic Foundation Using Artificial Lyapunov Parameter**  
MERT KUTSAL S., TEMİZ M. M., COŞKUN S. B.  
3rd Conference on Advance in Mechanical Engineering İstanbul 2017-ICAME 2017, İstanbul, Türkiye, 19 - 21 Aralık 2017
- X. **Modelling of Tsunami for multiple mass movements under the sea**  
HAYIR A., MERT KUTSAL S.  
16th World Conference on Earthquake, 9 - 13 Ocak 2017
- XI. **The Effects Of Sliding Block As A Kind Of Submarine Mass Movements On The Tsunami Amplitudes**  
MERT KUTSAL S., HAYIR A.  
The 26th International Ocean and Polar Engineering Conference, Rodos, Yunanistan, 26 Haziran - 01 Temmuz 2016, ss.695

**XII. OBSERVING THE EFFECT OF SOURCE LOCATION AND SIZE ON TSUNAMI AMPLITUDES FOR LANDSLIDE SOURCED TSUNAMIS**

MERT KUTSAL S., HAYIR A.

International Conference On Engineering And Natural Science, Saraybosna, Bosna-Hersek, 24 - 28 Mayıs 2016, ss.970-974

**XIII. IMPORTANCE OF WATER DEPTH AND ITS EFFECT ON TSUNAMI AMPLITUDES**

MERT KUTSAL S.

Natural Disasters and Disaster Management Symposium (DAAYS'xx16), Karabük, Karabük, Türkiye, 2 - 04 Mart 2016, ss.488-491

**XIV. Effects of Submarine Multiple Mass Movements on Near The Field Tsunami Amplitudes**

MERT S., HAYIR A.

5. Uluslararası Deprem Sempozyumu, Kocaeli, Türkiye, 10 - 12 Haziran 2015, ss.114

## **Metrikler**

Yayın: 19

Atıf (WoS): 15

Atıf (Scopus): 17

H-İndeks (WoS): 2

H-İndeks (Scopus): 2

## **Akademi Dışı Deneyim**

Derya Mühendislik