

## Asst. Prof. Aslı DURMUŐOĐLU

### Personal Information

**Email:** aslidurmusoglu@hakkari.edu.tr

**Web:** <https://avesis.hakkari.edu.tr/aslidurmusoglu>

### International Researcher IDs

ORCID: 0000-0002-2797-1304

Yoksis Researcher ID: 127325

### Education Information

Doctorate, Erciyes University, Mühendislik Fakültesi, Makine MühendisliĐi Bölümü, Turkey 2013 - 2021

Postgraduate, Erciyes University, Mühendislik Fakültesi, Makine MühendisliĐi Bölümü, Turkey 2010 - 2013

Undergraduate, Erciyes University, Mühendislik Fakültesi, Makine MühendisliĐi Bölümü, Turkey 2003 - 2009

### Dissertations

Doctorate, Yolcu UçaĐı İniŐ Takımlarının Analizi ve TitreŐim Kontrolü, Erciyes University, Mühendislik Fakültesi, Makine MühendisliĐi Bölümü, 2021

Postgraduate, Pnömatik devrelerde optimum tasarım ve yapay sinir aĐları ile titreŐim analizi, Erciyes University, Mühendislik Fakültesi, Makine MühendisliĐi Bölümü, 2013

### Academic Titles / Tasks

Assistant Professor, Hakkari University, Mühendislik Fakültesi, Makine MühendisliĐi, 2023 - Continues

Research Assistant PhD, Hakkari University, Mühendislik Fakültesi, Makine MühendisliĐi, 2021 - 2023

Research Assistant, Hakkari University, Mühendislik Fakültesi, Makine MühendisliĐi, 2019 - 2021

Research Assistant, Erciyes University, Mühendislik Fakültesi, Makine MühendisliĐi Bölümü, 2011 - 2019

Research Assistant, Hakkari University, Mühendislik Fakültesi, Makine MühendisliĐi, 2010 - 2011

### Academic and Administrative Experience

Deputy Head of Department, Hakkari University, Mühendislik Fakültesi, Makine MühendisliĐi, 2023 - Continues

### Courses

#### Postgraduate

Hidrolik ve Pnömatik Sistemler, Postgraduate, 2023 - 2024

Robot MekaniĐi, Postgraduate, 2023 - 2024

Bilimsel AraŐtırma Teknikleri ve Yayın EtiĐi, Postgraduate, 2023 - 2024

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

- I. **Estimation of the Effect of Oblique Positioned Obstacle Placement on Thermal Performance of a Horizontal Mantle Hot Water Tank with Machine Learning**  
Durmuşoğlu A., Turgut B., Tekin Y., Turgut B.  
APPLIED SCIENCES, vol.15, no.48, pp.1-24, 2025 (SCI-Expanded)
- II. **Vibration analysis and control of aircraft landing systems using proposed neural controllers**  
Yıldırım Ş., Durmuşoğlu A.  
NEURAL COMPUTING AND APPLICATIONS, vol.36, no.15, pp.13255-13268, 2024 (SCI-Expanded)
- III. **DESIGN OF NEURAL PREDICTORS FOR PREDICTING AND ANALYSING COVID-19 CASES IN DIFFERENT REGIONS**  
YILDIRIM Ş., DURMUŞOĞLU A., Sevim C., BİNGÖL M. S., Kalkat M.  
Neural Network World, vol.32, no.5, pp.233-251, 2023 (SCI-Expanded)

## Articles Published in Other Journals

- I. **NEURAL PREDICTOR DESIGN FOR COVID-19 CASES IN DIFFERENT REGIONS**  
YILDIRIM Ş., DURMUŞOĞLU A., Sevim C., BİNGÖL M. S., Kalkat M.  
International Journal of Mechatronics and Applied Mechanics, vol.2023, no.14, pp.14-18, 2023 (Scopus)
- II. **Design of Neural Network Predictor for A Finite Element Analysis of Thermal and Mechanical Stresses Caused in the Jawbone of Implantology**  
TURGUT B., DURMUŞOĞLU A., SEVİM Ç., ALTUNTOP N.  
Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.38, no.2, pp.218-232, 2022 (Peer-Reviewed Journal)
- III. **ANN: Prediction of Heat Transfer and Flow Characteristics of a Tube with Modified Twisted Tapes**  
DURMUŞOĞLU A., GÜNEŞ S., ÖZAŞIR E.  
International Scientific and Vocational Studies Journal, vol.4, no.1, pp.12-20, 2020 (Peer-Reviewed Journal)
- IV. **İçerisine Delikli Şerit Eleman Yerleştirilen Borudaki Isı Transferi ve Akış Karakteristiklerinin YSA ile Tahmini**  
DURMUŞOĞLU A., GÜNEŞ S., karakaya e.  
INTERNATIONAL JOURNAL OF EASTERN ANATOLIA SCIENCE ENGINEERING AND DESIGN, vol.1, no.2, pp.246-259, 2019 (Peer-Reviewed Journal)
- V. **Vibration Analysis and Optimal Design of Pneumatic Circuits Using Artificial Neural Networks**  
YILDIRIM Ş., DURMUŞOĞLU A.  
Recent Innovations in Mechatronics (Riim), vol.3, pp.1-9, 2016 (Peer-Reviewed Journal)

## Papers Published in Refereed Scientific Meetings

- I. **FORCE ANALYSIS OF PASSENGER AIRCRAFT MAIN LANDING GEAR SYSTEM**  
DURMUŞOĞLU A., YILDIRIM Ş.  
BİLTEK-IX INTERNATIONAL SYMPOSIUM ON CURRENT DEVELOPMENTS IN SCIENCE, TECHNOLOGY AND SOCIAL SCIENCES, Hakkari, Turkey, 31 May - 02 June 2024
- II. **YOLCU UÇAKLARINDA ARKA İNİŞ SİSTEMİNİN MODELLENMESİ VE ANALİZİ**  
YILDIRIM Ş., DURMUŞOĞLU A.  
20. ULUSAL MAKİNE TEORİSİ SEMPOZYUMU, Diyarbakır, Turkey, 15 September 2021
- III. **ANN: Prediction of heat transfer and fluid characteristics of a tube with loose-fit perforated twisted tapes**  
Durmuşoğlu A., Güneş S., Karakaya E.  
3. INTERNATIONAL SCIENTIFIC AND VOCATIONAL STUDIES CONGRESS – ENGINEERING, Nevşehir, Turkey, 27 - 29 June 2019
- IV. **ANN models for estimation heat transfer and flow characteristics of a tube with modified twisted tapes**

Durmuşođlu A., Güneş S., Özaşır E.

3. INTERNATIONALSCIENTIFIC AND VOCATIONALSTUDIES CONGRESS – ENGINEERING, Nevşehir, Turkey, 27 - 29 June 2019

**V. Analyzes Of Thermal Variation Caused In The Jawbone Of Implantology With Neural Networks**

Turgut B., Durmuşođlu A., Hakan M., Altuntop N.

II.INTERNATIONAL SCIENTIFIC AND VOCATIONAL STUDIES CONGRESS, Nevşehir, Turkey, 5 - 08 July 2018, pp.366-367

**VI. Analyzes Of Mechanical Stresses Caused In The Jawbone Of Implantology With Neural Networks**

Durmuşođlu A., Turgut B., Hakan M., Altuntop N.

II.INTERNATIONAL SCIENTIFIC AND VOCATIONAL STUDIES CONGRESS, Nevşehir, Turkey, 5 - 08 July 2018, pp.364-365

**VII. Pnömatik devrelerde Optimum Tasarım ve YSA ile Tیرهşim Analizi**

Yıldırım Ş., Durmuşođlu A.

18. Ulusal Makina Teorisi Sempozyumu, Trabzon, Turkey, 5 - 07 July 2017

**VIII. Vibration Analysis and Optimal Design ofPneumatic Circuits Using Artificial NeuralNetworks**

Yıldırım Ş., Durmuşođlu A.

IX. Electrical Engineering and Mechatronics Conference EEMC'16, Debrecen, Hungary, 17 - 19 March 2017