# Asst. Prof. Aslı DURMUŞOĞLU

## 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 Mühendisliği Bölümü, Turkey 2013 - 2021
Postgraduate, Erciyes University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Turkey 2010 - 2013
Undergraduate, Erciyes University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Turkey 2003 - 2009

## Dissertations

Doctorate, Yolcu Uçağı İniş Takımlarının Analizi ve Titreşim Kontrolü, Erciyes University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2021
Postgraduate, Pnömatik devrelerde optimum tasarım ve yapay sinir ağları ile titreşim analizi, Erciyes University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2013

## Academic Titles / Tasks

Assistant Professor, Hakkari University, Mühendislik Fakültesi, Makine Mühendisliği, 2023 - Continues
Research Assistant PhD, Hakkari University, Mühendislik Fakültesi, Makine Mühendisliği, 2021 - 2023
Research Assistant, Hakkari University, Mühendislik Fakültesi, Makine Mühendisliği, 2019 - 2021
Research Assistant, Erciyes University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2011 - 2019
Research Assistant, Hakkari University, Mühendislik Fakültesi, Makine Mühendisliği, 2010 - 2011

## Academic and Administrative Experience

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

## Courses

Hidrolik ve Pnömatik Sistemler, Postgraduate, 2023 - 2024
Robot Mekaniği, Postgraduate, 2023 - 2024
Bilimsel Araştırma Teknikleri ve Yayın Etiği, Postgraduate, 2023 - 2024

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

I. **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)

II. **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)

## Refereed Congress / Symposium Publications in Proceedings

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**
BULGAN A., GÜNEŞ S., KARAKAYA E.
3. INTERNATIONALSCIENTIFIC AND VOCATIONALSTUDIES 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**
BULGAN A., GÜNEŞ S., ÖZAŞIR 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., BULGAN 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**

BULGAN 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 Tireşim Analizi**

YILDIRIM Ş., BULGAN A.

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

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

YILDIRIM Ş., BULGAN A.

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

## Metrics

Publication: 15

Citation (Scopus): 2

H-Index (Scopus): 1