

Prof. AHMET DEMİR

Personal Information

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Education Information

Doctorate, Gebze Yüksek Teknoloji Enstitüsü, Mühendislik Fakültesi, Elektronik Mühendisliği Bölümü, Turkey 2001 - 2003

Post Graduate, Gebze Yüksek Teknoloji Enstitüsü, Fen Fakültesi, Matematik Bölümü, Turkey 1999 - 2001

Under Graduate, Dokuz Eylül Üniversitesi, Fen Fakültesi, Matematik Bölümü, Turkey 1993 - 1998

Foreign Languages

English, B2 Upper Intermediate

Academic Titles / Tasks

Professor, Karabük Üniversitesi, Mühendislik Fakültesi, Mekatronik Mühendisliği Bölümü, 2017 - 2018

Associate Professor, Karabük Üniversitesi, Mühendislik Fakültesi, Mekatronik Mühendisliği Bölümü, 2011 - 2017

Assistant Professor, Gebze Yüksek Teknoloji Enstitüsü, Fen Fakültesi, Matematik Bölümü, 2004 - 2011

Research Assistant, Gebze Yüksek Teknoloji Enstitüsü, Fen Fakültesi, Matematik Bölümü, 1999 - 2004

Professional Experience

Vice Dean, Karabük Üniversitesi, Mühendislik Fakültesi, 2014 - 2015

Head of Department, Karabük Üniversitesi, Mühendislik Fakültesi, Mekatronik Mühendisliği Bölümü, 2011 - 2015

Courses

LİNEER CEBİR, Under Graduate, 2016 - 2017

Mekatronik Proje Uygulaması, Under Graduate, 2016 - 2017

Matematik 1, Under Graduate, 2016 - 2017

MATEMATİK 2, Under Graduate, 2016 - 2017

NÜMERİK ANALİZ, Under Graduate, 2016 - 2017

Diferansiyel Denklemler, Under Graduate, 2016 - 2017

Adi Diferansiyel Denklemlerde Seçme Konular 1, Under Graduate, 2016 - 2017

Advising Theses

DEMİR A., YARI SONSUZ BORULARDA İÇ VE DIŞ YÜZEYDEKİ SONLU KAPLAMALARIN SAÇILMA OLAYINA ETKİSİ, Doctorate, B.TİRYAKİOĞLU(Student), 2018

DEMİR A., Dairesel Silindirik Dalga Kılavuzları İçinde Ardışık Genişleme ve Daralma Süreksizliklerinden Saçılmalar, Doctorate, A.TİRYAKİOĞLU(Student), 2018

DEMİR A., Yarı Sonsuz Silindirik Borularda İç ve Dış Yüzeydeki Sonlu Kaplamaların Saçılma Olayına Etkisi, Doctorate, B.TİRYAKİOĞLU(Student), 2016

DEMİR A., Yarı sonsuz silindirik bir boru ve içine yerleştirilmiş yarısı akustik yutucu malzemeyle kaplı sonsuz silindirik bir borudan ses dalgalarının saçılımı, Post Graduate, A.TİRYAKİOĞLU(Student), 2013

DEMİR A., Akışkanlı bir ortamda dış yüzeyi akustik yutucu malzemeyle kaplı yarı sonsuz silindirik bir borudan ses dalgalarının saçılımı, Post Graduate, B.TİRYAKİOĞLU(Student), 2013

DEMİR A., İç yüzeyi farklı iki yutucu malzemeyle kaplı sonsuz bir boru içerisine yerleştirilmiş akışkanlı yarı sonsuz bir borudan ses yayılımı, Doctorate, Ö.YANAZ(Student), 2009

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

- I. **Scattering of Sound Waves in Two Stepped Non-uniformly Lined Duct**
Tiryakioglu A., DEMİR A.
ARCHIVES OF ACOUSTICS, vol.45, pp.511-520, 2020 (Journal Indexed in SCI)
- II. **Sound Wave Radiation from Partially Lined Duct**
TİRYAKİOĞLU B., DEMİR A.
ARCHIVES OF ACOUSTICS, vol.44, pp.239-249, 2019 (Journal Indexed in SCI)
- III. **Radiation analysis of sound waves from semi-infinite coated pipe**
TİRYAKİOĞLU B., DEMİR A.
INTERNATIONAL JOURNAL OF AEROACOUSTICS, vol.18, pp.92-111, 2019 (Journal Indexed in SCI)
- IV. **Radiation Characteristics of Two Semi-Infinite Overlapped Cylindrical Waveguides with Impedance Loading**
DEMİR A., Buyukaksoy A.
ACTA ACUSTICA UNITED WITH ACUSTICA, vol.104, pp.385-395, 2018 (Journal Indexed in SCI)
- V. **Scattering matrices in non-uniformly lined ducts**
DEMİR A.
ZEITSCHRIFT FUR ANGEWANDTE MATHEMATIK UND PHYSIK, vol.68, 2017 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Sound Transmission in a Duct with Sudden Area Expansion, Extended Inlet, and Lined Walls in Overlapping Region**
DEMİR A.
ADVANCES IN ACOUSTICS AND VIBRATION, vol.2016, 2016 (Journal Indexed in ESCI)
- II. **Wiener Hopf Analysis of Sound Waves by a Rigid Cylindrical Pipe with External Impedance Surface**
TİRYAKİOĞLU B., DEMİR A.
international journal of mathematical models and methods in applied sciences, pp.558-565, 2015 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **Sound Transmission in an Expansion Chamber with Lined Walls and Extended Inlet/Outlet**
DEMİR A.
5th International Symposium on Innovative Technologies in Engineering and Science, Azerbaijan, 29 - 30 September 2017
- II. **Scattering of Sound Waves in a Lined Two-stepped Waveguide**

TİRYAKİOĞLU A., DEMİR A.

5th International Symposium on Innovative Technologies in Engineering and Science, Azerbaijan, 29 - 30 September 2017

- III. **Radiation of Sound Waves from a Semi-Infinite Rigid Duct by Local Outer Lining**
TİRYAKİOĞLU B., DEMİR A.
5th International Symposium on Innovative Technologies in Engineering and Science, Azerbaijan, 29 - 30 September 2017
- IV. **Sound Transmission in an Extended Tube Resonator**
DEMİR A.
4th International Symposium on Innovative Technologies in Engineering and Science (ISITES2016), Alanya/Antalya, Turkey, 3 - 05 November 2016
- V. **Sound Radiation from Two Opposed Semi Infinite Overlapped Ducts with Partial Lining**
DEMİR A.
4th International Symposium on Innovative Technologies in Engineering and Science (ISITES2016), Alanya/Antalya, Turkey, 3 - 05 November 2016
- VI. **Diffraction of Acoustic Waves by a Semi Infinite Pipe with Finite Impedance Discontinuity**
TİRYAKİOĞLU B., DEMİR A.
4th International Symposium on Innovative Technologies in Engineering and Science (ISITES2016), Alanya/Antalya, Turkey, 3 - 05 November 2016
- VII. **Analysis of Sound Diffraction from a Duct with Exterior Surface Impedance**
TİRYAKİOĞLU B., DEMİR A.
4th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2015), Atina, Greece, 31 August - 03 September 2015, pp.108
- VIII. **Scattering Matrices in a Lined Duct with Sudden Area Changes**
DEMİR A., TİRYAKİOĞLU B.
9th International Conference on Applied Mathematics, Simulation, Modelling (ASM '15), Konya, Turkey, 20 - 22 May 2015, vol.46, pp.30
- IX. **Sound Diffraction from a Semi Infinite Circular Cylindrical Duct with Outer Wall Impedance**
TİRYAKİOĞLU B., DEMİR A.
9th International Conference on Applied Mathematics, Simulation, Modelling (ASM '15), Konya, Turkey, 20 - 22 May 2015, vol.46, pp.42

Supported Projects

DEMİR A., Project Supported by Higher Education Institutions, Sound Transmission in an Expansion Chamber with Lined Walls and Extended Inlet/Outlet, 2017 - 2018

Citations

Total Citations (WOS):4

h-index (WOS):1