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Education Information

Doctorate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Turkey 2023 - Continues
Postgraduate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Turkey 2021 - 2023
Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Aerospace Engineering, Turkey 2016 - 2021

Academic Titles / Tasks

Research Assistant, Middle East Technical University, Faculty of Engineering, Department of Aerospace Engineering, 2024 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

I. **The oscillating vortex generator: a boundary layer propulsion and flow control device**
ANILIR B., KURTULUŞ D. F., Platzer M. F.
AERONAUTICAL JOURNAL, 2024 (SCI-Expanded)

II. **Flow Control by Oscillating Trailing-Edge Flaps**
Anilir B., Kurtuluş D. F., Platzer M. F. F.
AIAA JOURNAL, no.9, pp.4210-4213, 2023 (SCI-Expanded)

III. **Pre- and post-stall characteristics of a very light aircraft's wing for different design parameters**
Anılır B., KURTULUŞ D. F.
Progress in Computational Fluid Dynamics, vol.23, no.5, pp.278-291, 2023 (SCI-Expanded)

IV. **Unsteady aerodynamic performance of SD7062 airfoil at high Reynolds number**
Anilir B., KURTULUŞ D. F.
PROGRESS IN COMPUTATIONAL FLUID DYNAMICS, vol.23, no.2, pp.65-86, 2023 (SCI-Expanded)

V. **Numerical investigation of SD7062 airfoil with single-slotted flap for different flight conditions**
Anılır B., KURTULUŞ D. F.
Progress in Computational Fluid Dynamics, vol.23, no.6, pp.338-351, 2023 (SCI-Expanded)

Books & Book Chapters

I. **A Perspective on Oscillating Foil Propulsion**
Platzer M., Anılır B., Kurtuluş D. F.

in: Novel Techniques in Maintenance, Repair, and Overhaul, T. Hikmet Karakoc,Ivan A. Kostić,Aleksandar Grbović,Jelena Svorcan,Alper Dalkiran,Ali Haydar Ercan,Ognjen M. Peković, Editor, Springer Nature Switzerland Ag, Belgrade, pp.283-289, 2023

Refereed Congress / Symposium Publications in Proceedings

I. **ON THE AERODYNAMIC CHARACTERISTICS OF CRESCENT WING**
KURTULUŞ D. F., ANILIR B., Raymer D.
34th Congress of the International Council of the Aeronautical Sciences, ICAS 2024, Florence, Italy, 9 - 13 September 2024

II. **Design and Analysis of a Small-Scale Solar Powered UAV**
ANILIR B., Afzal A., Al Abri O. K. S., Al Dhafari L. S. K., Khan A. A., KURTULUŞ D. F.
1st International Conference on Aeronautical Sciences, Engineering and Technology, ICASET 2023, Muscat, UMMAN, 03 October 2023

III. **NUMERICAL INVESTIGATION OF SINUSOIDALLY PLUNGING NACA0012 AIRFOIL AT RE=1000**
Anilir B., Kurtuluş D. F., Platzer M.
12th ANKARA INTERNATIONAL AEROSPACE CONFERENCE, Ankara, Turkey, 13 September 2023

IV. **Aerodynamics of Close-coupled Stationary/Flapping Tandem NACA 0012 Airfoils**
Anilir B., Kurtuluş D. F., Platzer M.
AIAA AVIATION 2023 Forum, California, United States Of America, 12 - 16 June 2023, pp.1-10

Scientific Refereeing

Cogent Engineering, Journal Indexed in ESCI, March 2024
AIAA AVIATION Forum and Exposition 2024, Conference Paper (Full Text), December 2023

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Publication: 10
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Scholarships

2211 - Yurt İçi Doktora Burs Programları, TUBITAK, 2023 - Continues