

CANER İLHAN
Aeronautical Engineer

CONTACT INFORMATION

Adress: Istanbul, Turkiye

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RESEARCH FIELDS

Sustainable Aircraft, Hydrogen & Fuel Cell, Aircraft Design, Renewable Energy Application on Aircraft

EDUCATION

2025 – cont. **Faculty of Aeronautics and Astronautics, Istanbul Technical University**

PhD. in Aeronautics and Astronautics Engineering

2022 – 2025 **Energy Institute, Istanbul Technical University**

M.Sc. in Energy Science & Technology, GPA: 3.44

Thesis: Hydrogen Fuel Cell Integration in Aviation: Conceptual Design of a CS-23 Category Aircraft

2017 – 2021 **Faculty of Aeronautics and Astronautics, Necmettin Erbakan University**

B.Sc. in Aeronautical Engineering, GPA: 3.15

Thesis: Solar-powered UAV Design and Efficiency Analysis

EXPERIENCE

Aug 2024 – present **Özyeğin University, Faculty of Aviation and Aeronautical Sciences**
Research Assistant Department of Professional Flight

Apr 2023 – Aug 2024 **Istanbul Esenyurt University, Faculty of Business and Management Sciences**
Research Assistant Department of Aviation Management

2022 **University POLITEHNICA of Bucharest, Regenerative Energy Systems**
M.Sc. Student Part of the ITU ATHENS Program

2021 **Alp Aviation, Quality Department**
Intern Engineer

SCIENTIFIC RESEARCH

Journal Papers

İlhan, C., & Çalık, Z. (2024). Solar-powered UAV: A novel approach to conceptual design. Konya Journal of Engineering Sciences, 12(2), 396-409. doi: 10.36306/konjes.1402465.

İlhan, C., & Şahin, A. E. (2025). Evaluation of the EU Aviation Sector's Progress Towards Net-Zero CO2 Emission by 2050. Süleyman Demirel Üniversitesi Vizyoner Dergisi, 16(45), 261-277. <https://doi.org/10.21076/vizyoner.1500869>

İlhan C. (2025). Sustainable Aviation Fuels: Evaluating Environmental and Operational Impacts. Environmental Research and Technology, 8(4), doi: 10.35208/ert.1531974.

Proceedings

İlhan, C., & Yazici, M. S. (2025). Feasibility Assessment of Hydrogen Fuel Cell Integration in the Dornier 228 Aircraft with the Structural and Operational Considerations. IGRS2025, 4th International Graduate Research Symposium, Istanbul, Türkiye, 12-14 May 2025.

ADMINISTRATIVE DUTIES

AABI Accreditation Committee Member
Özyeğin University Professional Flight Program

2024-cont.

CERTIFICATES

Theoretical Knowledge Instructor Authorization Certificate
Directorate General of Civil Aviation (DGCA) Türkiye
• 031 Mass and Balance ATPL (TR, EN)

2025