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PERSONAL

Date of Birth	April 1989
Place of Birth	Adana, Turkey

EDUCATION

2017 - 2022	Çukurova University, Department of Mechanical Engineering, Ph.D.
2014 - 2017	Çukurova University, Department of Mechanical Engineering, M.Sc.
2008 - 2013	Çukurova University, Department of Mechanical Engineering, B.Sc.

ACADEMIC POSITIONS

2023 - present	Assistant Professor, Department of Aerospace Engineering, Atılım University, Turkey
2014 - 2020	Project Researcher and Assistant, Department of Mechanical Engineering, Çukurova University, Turkey

RESEARCH INTERESTS

1	Slender, Non-slender and Double Delta Wing-Model Aircrafts
2	Aerodynamics
3	Experimental Fluid Mechanics
4	Particle Image Velocimetry
5	Wind Tunnel Testing

PUBLICATIONS

1	Karasu, I., Sahin, B., Tasci, M. O., & Akilli, H. (2019). Effect of yaw angles on the aerodynamics of a slender delta wing. Journal of Aerospace Engineering, 32(5), 04019074.
2	Tasci, M. O., Karasu, I., Sahin, B., & Akilli, H. (2020). Investigation of crossflow features of a slender delta wing. Wind and Structures, 31(3), 229-240.
3	Tasci, M. O., Pektas, M. C., Tumse, S., Karasu, I., Sahin, B., & Akilli, H. (2021). The impact of the pitching motion on the structure of the vortical flow over a slender delta wing under a sideslip angle. Journal of Visualization, 1-6.
4	Ilhan, A., Tumse, S., Tasci, M. O., Bilgili, M. & Sahin, B. (2022). Particle Image Velocimetry Investigation of the Flow for the Curved Type Wind Turbine Shroud. Journal of Applied Fluid Mechanics.
5	Tumse, S., Tasci, M. O., Karasu, I., & Sahin, B. (2021). Effect of ground on flow characteristics and aerodynamic performance of a non-slender delta wing. Aerospace Science and Technology, 110, 106475.
6	Karasu, I., Tumse, S., Tasci, M. O., Sahin, B., & Akilli, H. (2021). Near-surface particle image velocimetry measurements over a yawed slender delta wing. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 0954410021999556.
7	Tasci, M. O., Tumse, S. & Sahin, B. (2022). Vortical Flow Characteristics of a Slender Delta Wing in Ground Effect. Ocean Engineering.
8	Tasci, M. O., Tumse, S. & Sahin, B. (2022). The Impact of the Ground on Flow Structure and Aerodynamic Characteristics of a Double Delta Wing. Aerospace Science and Technology.
9	Tasci, M. O., Tumse, S., Sahin, B., Karasu, İ., & Akilli, H. (2021). The influence of perturbation motion over a slender delta wing under sideslip angle. Niğde Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, 10(1), 393-403.

PROJECTS

1	TÜBİTAK 1001 – Bilimsel ve Teknolojik Araştırma Projelerini Destekleme Projesi Proje Kodu: 114M497- Sapma Açısının Sabit ve Salınlımlı Delta Kanat Aerodinamiğine Etkilerinin Nicel ve Nitel Olarak İncelenmesi
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CONFERENCE PRESENTATIONS

1	Karasu I., Tasci M.O., Sahin B. and Akilli H. (2016) Stereo PIV Investigation on Windward Side Leading Edge Vortex of a Yawed Slender Delta Wing. International Conference on Advance in Mechanical Engineering (ICAME), 10-13 May, İstanbul, Turkey.
2	Sahin, B., Tasci, M. O., Karasu, I., & Akilli, H. (2017). Flow structures in end-view plane of slender delta wing. EPJ Web of Conferences (Vol. 143, p. 02099). EDP Sciences. Praha, Czech Republic.
3	Pektas, M. C., Tasci, M. O., Karasu, I., Sahin, B., & Akilli, H. (2018). Flow Behavior in Side-View Plane of Pitching Delta Wing. In EPJ Web of Conferences (Vol. 180, p. 02080). EDP Sciences. Praha, Czech Republic.
4	Tasci, M. O., Tumse, S., Sahin, B., Karasu, I., & Akilli, H. (2019) The Influence of a Transversely and Coaxially Oriented Wire on the Location of Vortex Breakdown. International Conference on Advance in Mechanical Engineering (ICAME), 471-480. İstanbul, Turkey
5	Tumse, S., Tasci, M. O., Sahin, B. (2019) The impact of the ground on the velocity fluctuations and the breakdown of leading-edge vortices on a 40° swept delta wing. International Conference on Advance in Mechanical Engineering (ICAME), 723-733. İstanbul, Turkey
6	Tumse, S., Tasci, M. O., Sahin, B., Karasu, I. (2020) The effect of the ground on the lift coefficient and vortical flow structure of a non-slender delta wing. 22nd Congress on Thermal Science and Technology, 1461-1470. Kocaeli, Turkey
7	Tasci, M.O., Tumse S., Sahin, B. (2021) Investigation of Ground Effect on Flow Structures Over 70 Swept Delta Wing by Flow Visualization Method. 23rd Congress of Thermal Science and Technology.
8	Tasci, M. O., Tumse S. & Sahin, B. (2021) Cross-Flow PIV Measurements of The Ground Effect on Flow Characteristics of a Slender Delta Wing. International Conference of Engineering, Natural and Applied Science (ICENAS'21). Osmaniye, Turkey

COURSE GIVEN

1	Introduction to Aerospace Engineering, Atılım University
2	Introduction to Aircraft Performance, Atılım University
3	Aerodynamics I, Atılım University
4	Aerodynamics II, Atılım University
5	Statics, Atılım University