



## Mehmet Furkan ÖZBEY

Research Assistant

**Atılım University**

Mechanical Engineering Department  
06830 İncek, Gölbaşı, Ankara/TURKEY  
furkan.ozbey@atilim.edu.tr  
Tel: +90 312 586 8951

### PERSONAL

<b>Year of Birth</b>	1994
<b>Place of Birth</b>	Türkiye

### EDUCATION

<b>2021 – Present</b>	Atılım University, Mechanical Engineering (English), PhD.
<b>2019 – 2021</b>	Atılım University, Mechanical Engineering (English), MSc.
<b>2012 – 2018</b>	Çukurova University, Mechanical Engineering (English) BSc.

### ACADEMIC POSITIONS

<b>2022 – Present</b>	<b>Research Assistant</b> , Mechanical Engineering Department, <i>Atılım University</i> , Ankara, Türkiye.
<b>2021 – 2022</b>	<b>Part-Time Research Assistant</b> , Manufacturing Engineering Department, <i>Atılım University</i> , Ankara, Türkiye.
<b>2021 – 2021</b>	<b>Lecturer</b> , Machinery and Metal Technologies Department, <i>Istanbul Aydın University</i> , Istanbul, Türkiye.
<b>2018 – 2019</b>	<b>Visiting Researcher</b> , Department of Fluid Mechanics, <i>Universitat Politècnica de Catalunya</i> , Barcelona, Spain.

### LECTURES ASSISTED/ASSITING

<b>1</b>	ME390 Mechanical Engineering Systems Laboratory
<b>2</b>	ME101 Introduction to Mechanical Engineering
<b>3</b>	ME451 Quality Management and Quality Engineering
<b>4</b>	ME316 Machine Elements
<b>5</b>	ME205 Introduction to Manufacturing Processes (Laboratory Applications)

### AWARDS

<b>1</b>	<b>3<sup>rd</sup> Best Project Award</b> in Shape the Change Digital Manufacturing & Industry 4.0 Program, BOSCH Turkey & Boğaziçi University, 2017.
<b>2</b>	<b>Jury Design Award</b> in Efficiency Challenge (Category: Electric Car), The Scientific and Technological Research Council of Turkey (TUBİTAK), 2016.

## SCHOLARSHIPS AND FUNDINGS

1	<b>Scholar</b> , TUBITAK 2250 – Scholarship for Academic Performance, 2022.
2	<b>Scholar (PhD Student)</b> , TUBITAK 3501 – Project Number: 120M890, Present
3	<b>Visiting Researcher Scholar</b> , European Commission, 2018 – 2019.

## RESEARCH INTERESTS

1	Thermal Comfort in Indoor Environment
2	Energy Efficiency in Buildings
3	Heating Ventilating and Air Conditioning (HVAC&R)
4	Computational Fluid Dynamics (CFD)

## SCI & SCI-E PUBLICATIONS

1	ÇETER, A. E., ÖZBEY, M. F., TURHAN, C. (2023), Gender inequity in thermal sensation based on emotional intensity for participants in a warm Mediterranean climate zone. <i>International Journal of Thermal Sciences (SCI-E)</i> , 185, 108089. <a href="https://doi.org/10.1016/j.ijthermalsci.2022.108089">https://doi.org/10.1016/j.ijthermalsci.2022.108089</a>
2	ÖZBEY, M. F., ÇETER, A. E., ÖRFİOĞLU, Ş., ALKAN, N., TURHAN, C. (2022), Sensitivity Analysis of The Effect of Current Mood States on The Thermal Sensation in Educational Buildings. <i>Indoor Air (SCI-E)</i> , 32(8), e13073. <a href="https://doi.org/10.1111/ina.13073">https://doi.org/10.1111/ina.13073</a>
3	ÖZBEY, M. F. & TURHAN, C. (2022), A Comprehensive Comparison and Accuracy of Different Methods to Obtain Mean Radiant Temperature in Indoor Environment. <i>Thermal Science and Engineering Progress (SCI-E)</i> , 31, 101295. <a href="https://doi.org/10.1016/j.tsep.2022.101295">https://doi.org/10.1016/j.tsep.2022.101295</a>
4	ÖZBEY, M. F. & TURHAN, C. (2022), The Importance of The Calculation of Angle Factors to Determine the Mean Radiant Temperature in Temperate Climate Zone: A University Office Building Case, <i>Indoor and Built Environment (SCI-E)</i> , 31(4),1004-1017. <a href="https://doi.org/10.1177/1420326X211046371">https://doi.org/10.1177/1420326X211046371</a>
5	TURHAN, C., & ÖZBEY, M. F. (2021), Effect of pre-and post-exam stress levels on thermal sensation of students. <i>Energy and Buildings (SCI-E)</i> , 231, 110595. <a href="https://doi.org/10.1016/j.enbuild.2020.110595">https://doi.org/10.1016/j.enbuild.2020.110595</a>

## INTERNATIONAL CONFERENCES

1	TURHAN, C., ALKAN, N., ÇETER, A. E., & ÖZBEY, M. F. (2022), The relation between occupant's mood state and thermal sensation. <i>REHVA 14<sup>th</sup> HVAC World Congress: CLIMA 2022</i> , Rotterdam, Netherlands, 22-25 May 2022. <a href="https://doi.org/10.34641/clima.2022.261">https://doi.org/10.34641/clima.2022.261</a>
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## INTERNATIONAL CONFERENCES (Cont.)

2	<p>ÇETER, A. E., ÖZBEY, M. F., ÖRFİOĞLU, Ş., &amp; TURHAN, C. (2022), Investigation of The Relationship Between the Body Mass Index (BMI) Of the Human Body and the Thermal Sensation Vote (TSV): A Case Study. <i>International Symposium on Energy Management and Sustainability</i>, Geel, Belgium &amp; Istanbul, Türkiye, 05-09 April 2022.</p> <p>E-ISBN: 978-605-7483-75-1.</p>
3	<p>ÖRFİOĞLU, Ş., ÇETER, A. E., ÖZBEY, M. F., &amp; TURHAN, C. (2022), Investigation of the Gap Between the Predicted Mean Vote (PMV) And the Actual Vote (AMV) of The Students in Csb Climate Zone. <i>International Symposium on Energy Management and Sustainability</i>, Geel, Belgium &amp; Istanbul, Türkiye, 05-09 April 2022.</p> <p>E-ISBN: 978-605-7483-75-1.</p>
4	<p>ÖZBEY, M. F. &amp; TURHAN, C. (2021), Calibration of a Low-Cost Globe Thermometer with Linear Comparative Calibration Method. <i>5<sup>th</sup> International Anatolian Energy Symposium</i>, Trabzon, Türkiye, 24-26 March 2021.</p> <p>ISBN: 978-605-2271-33-9.</p>

## TR-INDEX PUBLICATIONS

1	<p>ÖZBEY, M. F., ÇETER, A. E., &amp; TURHAN, C. (2022), Determination of Metabolic Rate from Physical Measurements of Heart Rate, Mean Skin Temperature and Carbon Dioxide Variation. <i>Sakarya University Journal of Science</i>, 26(1), 73-89.</p> <p><a href="https://doi.org/10.16984/saufenbilder.981511">https://doi.org/10.16984/saufenbilder.981511</a></p>
2	<p>ÖZBEY, M. F. &amp; TURHAN, C. (2021), A Case Study on the Assumption of Mean Radiant Temperature Equals to Indoor Air Temperature in a Free-Running Building, <i>Kocaeli Journal of Science and Engineering</i>, 4(1), 79-85.</p> <p><a href="https://doi.org/10.34088/kojose.833707">https://doi.org/10.34088/kojose.833707</a></p>

## PROJECTS

1	<p><b>Graduate Researcher</b>, Determination of the relationship between user's thermal comfort and mood states and experimental data-driven modeling, TUBITAK – 3501 – 120M890, 02/2021 – Present.</p>
2	<p><b>Visiting Researcher</b>, CFD Applied to the Study of Thermal Efficiency in Large Buildings, <i>Centre for Industrial Diagnostics and Fluid Dynamics (CDIF) and JG Ingenieros Chair – Universitat Politècnica de Catalunya</i>, Barcelona, Spain, 09/2018 – 04/2019.</p>
3	<p><b>Undergraduate Researcher</b>, Traceability of Gas Pipes with RFID, <i>BOSCH Turkey &amp; Boğaziçi University</i>, Istanbul, Türkiye, 05/2017 – 10/2017.</p>
4	<p><b>Undergraduate Researcher</b>, Design Parameters of Tires, <i>Bridgestone &amp; Lassa (BRISA)</i>, Kocaeli, Türkiye, 02/2017 – 06/2017.</p>
5	<p><b>Undergraduate Researcher</b>, Mechanics of Biomaterials for 3D printed custom-fit medical devices, <i>Fited Co.</i>, New York, USA, 10/2016 – 02/2017.</p>