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**PERSONAL**

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

**EDUCATION**

<b>2021 – 2026</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>2025 – Present</b>	<b>Research Assistant</b> , Mechanical Engineering Department, <i>Atılım University</i> , Ankara, Türkiye.
<b>2024 – 2025</b>	<b>Visiting Researcher</b> , Integrated Comfort Engineering Laboratory, <i>École polytechnique fédérale de Lausanne</i> , Switzerland.
<b>2022 – 2024</b>	<b>Research Assistant</b> , Mechanical Engineering Department, <i>Atılım University</i> , Türkiye.
<b>2021 – 2022</b>	<b>Research Assistant</b> , Manufacturing Engineering Department, <i>Atılım University</i> , Türkiye.
<b>2018 – 2019</b>	<b>Visiting Researcher</b> , Department of Fluid Mechanics, <i>Universitat Politècnica de Catalunya</i> , Spain.

**RESEARCH INTERESTS**

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

**SCI & SCI-E PUBLICATIONS**

1	<b>ÖZBEY, M. F., TURHAN, C., ALKAN, N., &amp; AKKURT, G. G. (2025)</b> . Latent Psychological Pathways in Thermal Comfort Perception: The Mediating Role of Cognitive Uncertainty on Depression and Vigour. <i>Buildings</i> , 15(14), 2538. <a href="https://doi.org/10.3390/buildings15142538">https://doi.org/10.3390/buildings15142538</a>
2	<b>ÖZBEY, M. F., &amp; TURHAN, C. (2025)</b> . Modelling the positive and negative interaction between mood and thermal sensation in the built environment using a combined Markov Chain Monte Carlo algorithm and Morris method. <i>Building Services Engineering Research &amp; Technology</i> , 46(6), 737-752. <a href="https://doi.org/10.1177/01436244251346640">https://doi.org/10.1177/01436244251346640</a>

3	YERLIKAYA-ÖZKURT, F., <b>ÖZBEY, M. F.</b> , & TURHAN, C. (2025). Modeling the mood state on thermal sensation with a data mining algorithm and testing the accuracy of mood state correction factor. <i>New Ideas in Psychology</i> , 76, 101124. <a href="https://doi.org/10.1016/j.newideapsych.2024.101124">https://doi.org/10.1016/j.newideapsych.2024.101124</a>
4	<b>ÖZBEY, M. F.</b> & TURHAN, C. (2023), A Novel Comfort Temperature Determination Model Based on Psychology of The Participants for Educational Buildings in A Temperate Climate Zone. <i>Journal of Building Engineering</i> , 107415. <a href="https://doi.org/10.1016/j.jobee.2023.107415">https://doi.org/10.1016/j.jobee.2023.107415</a>
5	TURHAN, C., <b>ÖZBEY, M. F.</b> , LOTFİ, B., & AKKURT, G. G. (2023), Integration of psychological parameters into a thermal sensation prediction model for intelligent control of the HVAC systems. <i>Energy and Buildings</i> , 113404. <a href="https://doi.org/10.1016/j.enbuild.2023.113404">https://doi.org/10.1016/j.enbuild.2023.113404</a>
6	TURHAN, C., <b>ÖZBEY, M. F.</b> , ÇETER, A. E., & AKKURT, G. G. (2023), A Novel Data-Driven Model for the Effect of Mood State on Thermal Sensation. <i>Buildings</i> , 13(7), 1662. <a href="https://doi.org/10.3390/buildings13071662">https://doi.org/10.3390/buildings13071662</a>
7	ÇETER, A. E., <b>ÖZBEY, M. F.</b> , 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</i> , 185, 108089. <a href="https://doi.org/10.1016/j.ijthermalsci.2022.108089">https://doi.org/10.1016/j.ijthermalsci.2022.108089</a>
8	<b>ÖZBEY, M. F.</b> , 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</i> , 32(8), e13073. <a href="https://doi.org/10.1111/ina.13073">https://doi.org/10.1111/ina.13073</a>
9	<b>ÖZBEY, M. F.</b> & 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</i> , 31, 101295. <a href="https://doi.org/10.1016/j.tsep.2022.101295">https://doi.org/10.1016/j.tsep.2022.101295</a>
10	<b>ÖZBEY, M. F.</b> & 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</i> , 31(4), 1004-1017. <a href="https://doi.org/10.1177/1420326X211046371">https://doi.org/10.1177/1420326X211046371</a>
11	TURHAN, C., & <b>ÖZBEY, M. F.</b> (2021), Effect of pre-and post-exam stress levels on thermal sensation of students. <i>Energy and Buildings</i> , 231, 110595. <a href="https://doi.org/10.1016/j.enbuild.2020.110595">https://doi.org/10.1016/j.enbuild.2020.110595</a>

## E-SCI PUBLICATIONS

1	TURHAN, C., CARPINO, C., CHEN AUSTIN, M., <b>ÖZBEY, M. F.</b> , & AKKURT, G. G. (2025). Impact of Green Wall and Roof Applications on Energy Consumption and Thermal Comfort for Climate Resilient Buildings. <i>Urban Science</i> , 9(4), 105. <a href="https://doi.org/10.3390/urbansci9040105">https://doi.org/10.3390/urbansci9040105</a>
2	<b>ÖZBEY, M. F.</b> , LOTFI, B., & TURHAN, C. (2025). Estimation of the mean radiant temperature in office buildings using an artificial neural network developed in a Python environment. <i>Advances in Building Energy Research</i> , 1-16. <a href="https://doi.org/10.1080/17512549.2025.2457650">https://doi.org/10.1080/17512549.2025.2457650</a>

## INTERNATIONAL CONFERENCES & BOOK CHAPTERS

1	<b>ÖZBEY, M. F.</b> , LICINA, D., MEGGERS, F., & KHOVALYG, D. (2025). Mean Radiant Temperature Sensing: Comparison of Methods for A Non-Uniform Radiant Floor Heating, <i>The 15th REHVA HVAC World Congress (CLIMA 2025)</i> , 4-6 June 2025, Milan, Italy. <a href="https://doi.org/10.1007/978-3-032-06806-4_72">https://doi.org/10.1007/978-3-032-06806-4_72</a>
2	TURHAN, C., CARPINO G., AKKURT G. G., AUSTIN M. C., <b>ÖZBEY, M. F.</b> (2024). Impact of green structure applications on energy consumption and thermal comfort for climate resilient educational buildings. <i>19th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES)</i> . Roma, Italy, 8-12 September 2024. ISSN: 2706-3690.

3	<b>ÖZBEY, M. F. &amp; TURHAN, C. (2024).</b> The Power of the “State of Mind” in Thermal Comfort: Investigating Mood State Variations in Educational Buildings with a Gender-Based Novel Comfort Temperature Determination Model, 19th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES). Roma, Italy, 8-12 September 2024. ISSN: 2706-3690.
4	<b>ÖZBEY, M. F. &amp; TURHAN, C. (2024).</b> Understanding the State of Mind on Thermal Comfort Through Literature: Introducing Turhan and Özbey Coefficients, <i>The 20th International Conference on Machine Design and Production, Special Session: Sustainable design and operation in the built environment</i> . Ankara, Türkiye, 14-17 August 2024.
5	<b>ÖZBEY, M. F., ALKAN, N., TURHAN C. (2023),</b> Investigation of the Relationship between Tension Level and Thermal Sensation. A Case Study of University Study Hall. <i>The 11th International Conference on Indoor Air Quality, Ventilation &amp; Energy Conservation in Buildings (IAQVEC2023)</i> , Tokyo, Japan, 20-23 May 2023. <a href="https://doi.org/10.1051/e3sconf/202339601010">https://doi.org/10.1051/e3sconf/202339601010</a>
6	<b>ÖZBEY, M. F. &amp; TURHAN C. (2023),</b> Is Determining Mean Radiant Temperature via Angle Factors Correct? A Case study University Office Building. <i>2<sup>nd</sup> International Meet on Renewable and Sustainable Energy</i> , Rome, Italy, 13-15 March 2023.
7	TURHAN, C., ALKAN, N., ÇETER, A. E., & <b>ÖZBEY, M. F. (2022)</b> , 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>
8	TURHAN, C., & <b>ÖZBEY, M. F. (2022).</b> Re-Defining Temperature Set-Point of an HVAC System Based on Thermal Comfort Zone of Students in A University Study Hall. The 19th International Conference on Machine Design and Production, Special Session: Impact of energy technologies and smart systems on human’s life. Cappadocia, Türkiye, 31 August – 3 September 2022. ISBN: 978-975-429-414-9.
9	ÇETER, A. E., <b>ÖZBEY, M. F.</b> , ÖRFİOĞLU, Ş., & 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 & Istanbul, Türkiye, 05-09 April 2022. E-ISBN: 978-605-7483-75-1. Book Chapter (2023): <a href="https://doi.org/10.1007/978-3-031-30171-1_89">https://doi.org/10.1007/978-3-031-30171-1_89</a>
10	ÖRFİOĞLU, Ş., ÇETER, A. E., <b>ÖZBEY, M. F.</b> , & 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 & Istanbul, Türkiye, 05-09 April 2022. E-ISBN: 978-605-7483-75-1. Book Chapter (2023): <a href="https://doi.org/10.1007/978-3-031-30171-1_5">https://doi.org/10.1007/978-3-031-30171-1_5</a>
11	<b>ÖZBEY, M. F. &amp; TURHAN, C. (2021),</b> 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. ISBN: 978-605-2271-33-9.

## TR-INDEX PUBLICATIONS

1	<b>ÖZBEY, M. F., ÇETER, A. E., &amp; TURHAN, C. (2022),</b> 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. <a href="https://doi.org/10.16984/saufenbilder.981511">https://doi.org/10.16984/saufenbilder.981511</a>
2	<b>ÖZBEY, M. F. &amp; TURHAN, C. (2021),</b> 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. <a href="https://doi.org/10.34088/kojose.833707">https://doi.org/10.34088/kojose.833707</a>

## PROJECTS

1	<b>Graduate Researcher (PhD Scholar),</b> Development of a Personalized Heating/Cooling (HVAC) Device Sensitive to the Individual's Psychology Using Wearable Technologies, TÜBİTAK – 1005 – 125M026, 09/2025 – Present
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2	<b>Principal Investigator (Swiss Government Excellence Scholar)</b> , Enhancing Thermal Comfort Assessment through Multicultural Integration of Human Psychology: Optimizing of the POMS Questionnaire, <i>Integrated Comfort Engineering Laboratory</i> , Switzerland. 09/2024 – 08/2025
3	<b>Graduate Researcher (PhD Scholar)</b> , Determination of the relationship between user's thermal comfort and mood states and experimental data-driven modeling, TUBITAK – 3501 – 120M890, 02/2021 – 02/2023.
4	<b>Visiting Researcher (Erasmus+ Scholar)</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.
5	<b>Undergraduate Researcher</b> , Traceability of Gas Pipes with RFID, <i>BOSCH Turkey &amp; Boğaziçi University</i> , Istanbul, Türkiye, 05/2017 – 10/2017.
6	<b>Undergraduate Researcher</b> , Design Parameters of Tires, <i>Bridgestone &amp; Lassa (BRISA)</i> , Kocaeli, Türkiye, 02/2017 – 06/2017.
7	<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.

## AWARDS

1	<b>Swiss Government Excellence Scholarship (Research Fellowship)</b> , Swiss Confederation – 2024–2025.
2	<b>Scientific Publication Excellence Award (2023)</b> , Atılım University – 2024.
3	<b>3<sup>rd</sup> Best Project Award</b> in Shape the Change Digital Manufacturing & Industry 4.0 Program, <i>BOSCH Turkey &amp; Boğaziçi University</i> , 2017.
4	<b>Jury Design Award</b> in Efficiency Challenge (Category: Electric Car), <i>The Scientific and Technological Research Council of Turkey (TUBITAK)</i> , 2016.

## SCHOLARSHIPS AND GRANTS

1	Swiss Government Excellence Scholarship (Research Fellowship) – 2024–2025.
2	TÜBİTAK 1005 Research Scholar Grant – Project Name: Development of a Personalized Heating/Cooling (HVAC) Device Sensitive to the Individual's Psychology Using Wearable Technologies – 2025–2026.
3	TÜBİTAK 2224-A Travel Grant – Participation in International Conferences – 2023, 2024.
4	TÜBİTAK 2250 Performance-Based PhD/Post-Doc Scholarship – 2022, 2023 (2 times).
5	TÜBİTAK 3501 Research Scholar Grant – Project Name: Determination of the relationship between user's thermal comfort and mood states and experimental data-driven modelling – 2021–2023.
6	Erasmus+ Scholarship (Internship) – Visiting Researcher Position at <i>Universitat Politècnica de Catalunya</i> – 2018-2019.

## CITATIONS

Sum of times cited without self-citations (Web of Science)	118 (19/02/2026)
H-Index (Web of Science)	8