



Mehmet Furkan ÖZBEY

Research Assistant

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PERSONAL

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| Year of Birth | 1994 |
| Place of Birth | Türkiye |

EDUCATION

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| 2021 – Present | Atılım University, Mechanical Engineering (English), PhD. |
| 2019 – 2021 | Atılım University, Mechanical Engineering (English), MSc. |
| 2012 – 2018 | Çukurova University, Mechanical Engineering (English) BSc. |

ACADEMIC POSITIONS

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

LECTURES ASSISTED/ASSITING

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

AWARDS

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

SCHOLARSHIPS AND FUNDINGS

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

RESEARCH INTERESTS

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|---|---------------------------------------------------|
| 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

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|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <p>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.</p> <p>https://doi.org/10.1111/ina.13073</p> |
| 2 | <p>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.</p> <p>https://doi.org/10.1016/j.tsep.2022.101295</p> |
| 3 | <p>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.</p> <p>https://doi.org/10.1177/1420326X211046371</p> |
| 4 | <p>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.</p> <p>https://doi.org/10.1016/j.enbuild.2020.110595</p> |

INTERNATIONAL CONFERENCES

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

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| 2 | <p>ÇETER, A. E., ÖZBEY, M. F., 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.</p> <p>E-ISBN: 978-605-7483-75-1.</p> |
| 3 | <p>ÖRFİOĞLU, Ş., ÇETER, A. E., ÖZBEY, M. F., & 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.</p> <p>E-ISBN: 978-605-7483-75-1.</p> |
| 4 | <p>ÖZBEY, M. F. & TURHAN, C. (2021), Calibration of a Low-Cost Globe Thermometer with Linear Comparative Calibration Method. <i>5th International Anatolian Energy Symposium</i>, Trabzon, Türkiye, 24-26 March 2021.</p> <p>ISBN: 978-605-2271-33-9.</p> |

TR-INDEX PUBLICATIONS

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|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <p>ÖZBEY, M. F., ÇETER, A. E., & 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>https://doi.org/10.16984/saufenbilder.981511</p> |
| 2 | <p>ÖZBEY, M. F. & 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>https://doi.org/10.34088/kojose.833707</p> |

PROJECTS

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| 1 | <p>Graduate Researcher, 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>Visiting Researcher, 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>Undergraduate Researcher, Traceability of Gas Pipes with RFID, <i>BOSCH Turkey & Boğaziçi University</i>, Istanbul, Türkiye, 05/2017 – 10/2017.</p> |
| 4 | <p>Undergraduate Researcher, Design Parameters of Tires, <i>Bridgestone & Lassa (BRISA)</i>, Kocaeli, Türkiye, 02/2017 – 06/2017.</p> |
| 5 | <p>Undergraduate Researcher, Mechanics of Biomaterials for 3D printed custom-fit medical devices, <i>Fited Co.</i>, New York, USA, 10/2016 – 02/2017.</p> |