Burcu BALCI

Research Assistant

Atılım University

Department of Chemical Engineering

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**PERSONAL**

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| --- | --- |
| Date of Birth | 25.06.1996 |
| **Place of Birth** | Ankara |

# EDUCATION

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| --- | --- |
| 2023- | Hacettepe University, Chemical Engineering, PhD |
| 2019-2021 | Atılım University, Chemical Engineering, M.S. |
| 2014-2019 | Atılım University, Chemical Engineering and Applied Chemistry, B.S. |

# ACADEMIC POSITIONS

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| --- | --- |
| 09/2024 - | Research Assistant, Chemical Engineering, Atilim University, Ankara, Turkey |
| 09/2023 - 09/2024 | Specialist, Atilim University, Ankara, Turkey |
| 2018 - 2019 | Project Assistant, TUBITAK |
| 09/2017 - 05/2019 | Student Assistant, Chemical Engineering, Atilim University, Ankara, Turkey |

**RESEARCH INTERESTS**

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| --- | --- |
| 1 | Conjugated Monomers and Polymers |
| **2** | Sulfur Based Polymers, |
| **3** | Chemiluminescent Monomers and Polymers |

**COURSES ASSISTED**

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| --- | --- |
| **1** | General Chemistry (CHE103, CHE104, CHE105) |
| **2** | Introduction to Bioorganic Chemistry (CHE108) |
| **3** | Organic Chemistry (CHE202) |
| **4** | Physical Chemistry (CHE 203) |

# PUBLICATIONS

|  |  |
| --- | --- |
| 4 | Balci, B., Cakal, D., & Cihaner, A. (2025). Synthesis and electropolymerization of a selenophene based chemiluminescent monomer and its use in blood detection. Dyes and Pigments, 232, 112471. |
| 3 | Kesimal, B., Balci, B., Cakal, D., Önal, A. M., & Cihaner, A. (2023). Synthesis and characterization of a luminol-based chemiluminescent trimeric system. Journal of Fluorescence, 136. |
| 2 | Berk, H., Balci, B., Ertan, S., Kaya, M., & Cihaner, A. (2019). Functionalized polysul􀃭de copolymers with 4-vinylpyridine via inverse vulcanization. Materials Today Communications, 19, 336-341. |
| **1** | Tutuncu, E., Icli Ozkut, M., Balci, B., Berk, H., & Cihaner, A. (2019). Electrochemical and optical characterization of a multielectrochromic copolymer based on 3,4-ethylenedioxythiophene and functionalized dithienylpyrrole derivative. European Polymer Journal, 110, 233–239. |

# CONFERENCE PRESENTATIONS

|  |  |
| --- | --- |
| 6 | Burcu Balcı, “Synthesis, Electropolymerization and Use in Metal Ion and Blood Detection of a Chemiluminescent Compound”, 9. International Polymer Science and Technology Congress, ODTU, Ankara, 2024, Oral Presentation |
| 5 | Burcu Balcı, “Functionalized Polysulfide Copolymers with 4-Vinylpyridine via Inverse Vulcanization”, MUBAK2024, Atılım University, Ankara, 2024, Oral Presentation |
| 4 | Burcu Balcı, “Chemiluminescent Materials and Blood Detection”, MUBAK2023, Atılım University, Ankara, 2023, Oral Presentation |
| 3 | Burcu Balcı, Büşra Kesimal, Hasan Berk, Atilla Cihaner, Murat Kaya, “Functionalized Polysulfide Copolymers with 4-Vinylpyridine Via Inverse Vulcanization and Their Photocatalytic Applications”, Atılım Research Day, 2019, Poster Presentations |
| **2** | Hasan Berk, Burcu Balcı, Atilla Cihaner, “Functionalized Polysulfide Copolymers with 4-Vinylpyridine Via Inverse Vulcanization”, Ankara Kimya Mühendisliği Bölümleri Birlikteliği, Ankara, 2019, Poster Presentation. |
| **1** | Hasan Berk, Burcu Balcı, Atilla Cihaner, “4-Vinilpiridin Kullanılarak Yeni Polikükürt Kopolimerlerinin Sentezi ve Karakterizasyonu”, 7. International Polymer Science and Technology Congress, Eskişehir, 2018, Poster Presentation. |