



Pelin GÜNDOĞMUŞ, M.S.

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PERSONAL

Date of Birth	23.08.1993
Place of Birth	İZMİR

EDUCATION

2020-ongoing	Middle East Technical University, Metallurgical and Materials Engineering, Ph.D.
2017-2020	Middle East Technical University, Metallurgical and Materials Engineering, M. S. Topic: ‘‘ <i>Synthesis of g-C₃N₄/TiO₂ heterojunction composites with enhanced solar light photocatalytic activity</i> ’’ Supervisor: Prof. Dr. Abdullah ÖZTÜRK Co-Supervisor: Prof. Dr. Jongee PARK
2014-2016	Çankaya University, Materials Science and Engineering, B.S.
2011-2014	Yıldırım University, Materials Science and Engineering, B.S.

ACADEMIC POSITIONS

04/2021	Research Assistant, Department of Metallurgical and Materials Engineering, Atılım University, Turkey
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RESEARCH INTERESTS

1	Powder synthesis
2	Photocatalytic materials
3	Hydrothermal synthesis of ceramic nano powders
4	Nanocomposites
5	Characterization methods (SEM, XRD, XPS)

PUBLICATIONS

1	Pelin Gündoğmuş , Jongee Park, Abdullah Öztürk, Ceram. Int. Preparation and Photocatalytic Activity of g-C ₃ N ₄ /TiO ₂ Heterojunctions Under Solar Light Illumination. doi.org/10.1016/j.ceramint.2020.05.241.
2	Pelin Gündoğmuş , Jongee Park, Abdullah Öztürk. Preparation of g-C ₃ N ₄ /TiO ₂ Heterojunction Photocatalyst for Photocatalytic Applications, 12 th Europe-Korea Conference on Science and Technology, 15-18 July 2019, Vienna, Austria.
3	Pelin Gündoğmuş , Asmae Bouziani, Nursev Erdogan, Jongee Park, Abdullah Öztürk. Preparation of 2D g-C ₃ N ₄ /TiO ₂ Heterojunction Nanocomposite for Photocatalytic Applications. IMMC 2018, 19 th Metallurgical and Materials Congress, 25-27 October 2018, Istanbul, Turkey.
4	Ezgi Bütev, Aydın Albayrak, Hande Bircan, Merve Nur Doğu, Pelin Gündoğmuş , Buse Kahyaoğlu, Ziya Esen. “Structural and Functional Characterization of Surface Treated Biomedical Ti6Al7Nb Alloy Foams” PPM 2015 International Porous Powder Materials, 15-18 September 2015, Çeşme, İzmir, Turkey.

PROJECTS

1	Synthesis of 2D g-C ₃ N ₄ /TiO ₂ Heterojunction Nanocomposites for Photocatalytic Applications.
2	Hydrothermal synthesis of TiO ₂ nano powders for using waste water treatments, ODTÜ, LTP, 2019
3	Solid Phase Electrolyte Based Dye Sensitized Perovskite Solar Cells, TUBITAK, 216M391, 2018. (Project assistant).
4	Synthesis and Mechanical Properties of B ₄ C Ceramics for Armor Applications, ODTÜ BAP, 2018.
5	Hydrothermal Synthesis of TiO ₂ Nanoparticles for Clean-up Organic Waste Water.

COURSES GIVEN

1	MATE 202 Mechanical Behavior and Testing of Materials (Laboratory)
2	MATE 314 Microstructure and Phase Relations (Laboratory)
3	MATE 441 Casting Processes and Applications (Laboratory)
5	MATE 207 Introduction to Materials Engineering (Recitation)