Seren ÖZER, Ph.D. Student
Research Assistant of Metallurgical and Materials Engineering
Atılım University
Department of Metallurgical and Materials Engineering
06830 İncek, Gölbaşı, Ankara/TURKEY
Mail: seren.ozer@atilim.edu.tr
Tel: +90 312 586 83 56

PERSONAL

Date of Birth	13.01.1993
Place of Birth	Sivas

EDUCATION

2020 - Ongoing	Ph.D. in Metallurgical and Materials Engineering, Middle East Technical University **Thesis Topic:** Influence of Process Parameters and Post Heat Treatment on Microstructure and Mechanical Properties of Hastelloy X Produced by Selective Laser Melting **Tez Konusu:** Seçici Lazer Ergitme ile Üretilen Hastelloy X'in Mikroyapısı ve Mekanik Özellikleri Üzerine Proses Parametreleri ve Isıl İşlem Sonrası Etkisi
2017-2020	M.S. in Metallurgical and Materials Engineering, Middle East Technical University **Thesis Topic:** Effect of Post-Processing Heat Treatment on the Mechanical Properties of Inconel 718 Fabricated by Selective Laser Melting **Tez Konusu:** İkincil Isıl İşlemlerin Seçmeli Lazer Eritme ile Üretilen Inconel 718 Alaşımın Mekanik Özellikleri Üzerindeki Etkisi
2011-2016	B.S. in Materials Science and Engineering, Çankaya University **Thesis Topic:** Fabrication of Aluminum Matrix Composites (Al-B_4C) via Hot Pressing Method **Tez Konusu:** Sıcak Presleme Yöntemi ile Alüminyum Matriks Kompozitlerin (Al-B_4C) İmalatı

ACADEMIC POSITIONS

11/2019	Research Assistant, Department of Metallurgical and Materials Engineering, Atilim University, Turkey

RESEARCH INTERESTS

1	Improvement of the Mechanical Properties of Nickel Based Superalloys (Nikel Esaslı Süper Alaşımların Mekanik Özelliklerinin Geliştirilmesi)
2	Production of Nickel Based Superalloys via Additive Manufacturing Method (Eklemeli Üretim Yöntemi ile Nikel Esaslı Süper Alaşımların Üretimi)
3	Texture Analysis of Nickel Based Superalloys via Additive Manufacturing Method (Eklemeli Üretim Yöntemi ile Nikel Esaslı Süper Alaşımların Doku Analizi)
4	Wear Behavior of Austempered Ductile Cast Iron (Östemperlenmiş Sfero Dökme Demirin Aşınma Davranışı)
5	Diffusion Coatings for Turbine Applications (Türbin Uygulamaları için Difüzyon Kaplamaları)
6	Gas Turbine Blade Development and Production (Gaz Türbini Kanat Geliştirme ve Üretimi)
7	Protective Aluminide Coatings for Turbine Applications (Türbin Uygulamaları için Koruyucu Alüminid Kaplamalar)
8	Production of Metal Matrix Composites (Metal Matriks Kompozit Üretimi)

CONGRESS & SYMPOSIUM

1	**Seren Özer,** G. Mert Bilgin, Kemal Davut, Ziya Esen, Arcan F. Dericioğlu, Effect of Post-Processing Heat Treatment on the Mechanical Properties of Inconel 718 Alloy Fabricated by Selective Laser Melting. IMMC 2021, 20th International Metallurgy and Materials Congress, TURKEY.
2	**Seren Özer,** G. Mert Bilgin, Ziya Esen, Arcan F. Dericioğlu, Improvement of the Mechanical Properties of Inconel718 Produced by Selective Laser Melting (SLM) Method. TMS 2019, 148th Annual Meeting & Exhibition, San Antonio, Texas, USA.
3	**Seren Özer,** Arcan F. Dericioğlu, Effect of the Cu Alloying on the Precipitation Behavior of Al-Mg-Si Alloys. IMMC 2018, 19th International Metallurgy and Materials Congress, Istanbul, TURKEY.
4	**Seren Özer,** G. Mert Bilgin, Ziya Esen, Arcan F. Dericioğlu, Improvement of the Mechanical Properties of Inconel718 Produced by Selective Laser Melting (SLM) Method. ASELSAN 2018, 3rd Material Workshop, Ankara, TURKEY

PROJECTS

1	Atılım University – ADP (Research Support Project), Production of B4C-SiC Composite via Hot Pressing, 2020
2	Middle East Technical University – BAP – LTP, Effect of Cu Content on Precipitation Behavior in Al-Mg-Si Alloys, 2018
3	Middle East Technical University – TUBITAK MAM, TUBITAK 1007 - MILKANAT - Development and Manufacture of One Set of Stator and One Set of Rotor 3. Stage Turbine Blades of Class E130 MW Gas Turbine by Investment Casting, 2017

COURSES GIVEN

1	MATE 202 Mechanical Behavior and Testing of Materials (Laboratory)
2	MATE 314 Microstructure and Phase Relations (Laboratory)
3	MATE 410 - Material Selection in Design (Laboratory)
4	MATE 445 Heat Treatments and Surface Hardening of Materials (Laboratory)
5	MATE 207 Introduction to Materials Engineering (Recitation)