



**Seren ÖZER, M.S.**

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## PERSONAL

<b>Date of Birth</b>	13/01/1993
<b>Place of Birth</b>	Sivas

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## 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.
2011 - 2016	Cankaya University, Material Science and Engineering, B.S.

## ACADEMIC POSITIONS

<b>11/2019</b>	Research Assistant, Department of Metallurgical and Materials Engineering, Atılım University, Turkey
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## RESEARCH INTERESTS

<b>1</b>	Additive Manufacturing Technology
<b>2</b>	Improvement of the Mechanical Properties of Nickel-Based Superalloys
<b>3</b>	Diffusion Coatings for Turbine Applications
<b>4</b>	Improvement of the Mechanical Properties of Al-Mg-Si Alloys
<b>5</b>	Metal Matrix Composites
<b>6</b>	Microstructure analysis (SEM, EDS, EBSD)

## PROJECTS

<b>1</b>	Effect of Post-Processing Heat Treatment on the Mechanical Properties of Inconel 718 Fabricated by Selective Laser Melting
<b>2</b>	Effect of the Cu Modification on the Precipitation Behavior and Intergranular Corrosion Susceptibility of Al-Mg-Si Alloys – ODTÜ/LTP
<b>3</b>	Fabrication of Aluminum Matrix Composites via Hot Pressing Method

4	Production and Development of Aluminide Coatings by Chemical Vapor Deposition on Nickel-Based Superalloys for Turbine Engine Applications – TUBITAK 1007 (Project Assistant)
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### CONFERENCE PRESENTATIONS

1	<b>Seren Özer</b> , G. Mert Bilgin, Ziya Esen, Arcan F. Dericioğlu. Improvement of the Mechanical Properties of Inconel 718 Produced by Selective Laser Melting Method. TMS 2019, 148th Annual Meeting & Exhibition, San Antonio, Texas, USA.
2	<b>Seren Özer</b> , 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.
3	<b>Seren Özer</b> , G. Mert Bilgin, Ziya Esen, Arcan F. Dericioğlu. Improvement of the Mechanical Properties of Inconel718 Produced by Selective Laser Melting Method. ASELSAN 2018, 3rd Material Workshop, Ankara, TURKEY.

### COURSES GIVEN

1	Mechanical Behavior and Testing of Materials (MATE 202 – Lab.)
2	Microstructure and Phase Relations (MATE 314 – Lab.)
3	Introduction to Materials Engineering (MATE 207 – Recitation)