

## Res. Asst. Fatih Kirbiyik

### Personal Information

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**Address:** Reşitpaşa Mahallesi, İTÜ Ayazağa Kampüsü, Kimya Metalurji Fakültesi Metalurji ve Malzeme Mühendisliği 34467 Sarıyer/İstanbul

### International Researcher IDs

ORCID: 0000-0002-3654-5315

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### Education Information

Doctorate, Istanbul Technical University, Kimya Metalurji Fakültesi, Metalurji Ve Malzeme Mühendisliği, Turkey 2016 - Continues

Postgraduate, Istanbul Technical University, Kimya Metalurji Fakültesi, Metalurji Ve Malzeme Mühendisliği, Turkey 2014 - 2016

Undergraduate, Marmara University, Metalurji Ve Malzeme Mühendisliği (İngilizce), Metalurji Ve Malzeme Mühendisliği, Turkey 2007 - 2013

### Foreign Languages

English, C1 Advanced

### Dissertations

Postgraduate, Fonksiyonel derecelendirilmiş Al<sub>2</sub>O<sub>3</sub>/CYSZ termal bariyer kaplamaların üretimi ve karakterizasyonu, Istanbul Technical University, Fen Bilimleri Enstitüsü, Metalurji ve Malzeme Mühendisliği, 2016

### Research Areas

Technical Sciences, Metallurgical and Materials Engineering, Material science and engineering, Biomaterials, Plating, Material Characterization

### Academic Titles / Tasks

Research Assistant, Istanbul Technical University, Kimya Metalurji Fakültesi, Metalurji Ve Malzeme Mühendisliği, 2014 - Continues

### Published journal articles indexed by SCI, SSCI, and AHCI

1. Microstructural, mechanical and thermal properties of Al<sub>2</sub>O<sub>3</sub>/CYSZ functionally graded thermal barrier coatings

## Refereed Congress / Symposium Publications in Proceedings

- I. **DETERMINATION OF LASER SURFACE MODIFICATION FOR FUNCTIONALLY GRADED AL<sub>2</sub>O<sub>3</sub> / CYSZ THERMAL BARRIER COATING**  
KIRBIYIK F., GÖLLER G.  
International Materials Technologies and Metallurgy Conference 2019, 31 October - 01 November 2019
- II. **Processing of Laser Surface Modification of Functionally Graded Alumina/CYSZ Thermal Barrier Coating**  
KIRBIYIK F., GÖLLER G.  
Materials Science and Technology 2019, Portland, United States Of America, 29 September - 03 October 2019
- III. **Comparative study of CMAS and hot corrosion behaviour of single layered and functionally graded thermal barrier coatings**  
KIRBIYIK F., GÖLLER G.  
19th International Metallurgy and Materials Congress, 25 - 27 October 2018
- IV. **Microstructure Evaluation of Atmospheric Plasma Sprayed (APSeD) and Spark Plasma Sintered (SPSeD) NiCoCrAlY/CYSZ Thermal Barrier Coatings**  
Kırbıyık F., Şahin F., Yücel O., Göller G.  
International Conference on Sintering 2017, San Diego, United States Of America, 12 - 16 November 2017, pp.96
- V. **Microstructural evaluation of spark plasma sintered (SPS) and atmospheric plasma sprayed (APS) CYSZ / bond coat thermal barrier coatings**  
Kırbıyık F., SAHIN F. C., YUCEL O., Göller G.  
International Conference on Sintering 2017, San Diego, United States Of America, 13 - 16 November 2017, pp.63
- VI. **CMAS and hot corrosion resistance behavior of functionally graded Al<sub>2</sub>O<sub>3</sub>/CYSZ thermal barrier coatings**  
Kırbıyık F., Göller G.  
The 15th Conference & Exhibition of the European Ceramic Society (ECerS2017), Budapest, Hungary, 10 - 14 July 2017, pp.35
- VII. **Production and Characterization of CYSZ Al<sub>2</sub>O<sub>3</sub> Thermal Barrier Coatings with Functionally Graded Design**  
KIRBIYIK F., GÖLLER G.  
Materials Science and Technology 2016, Salt Lake, United States Of America, 23 - 27 October 2016
- VIII. **Production and Characterization of Al<sub>2</sub>O<sub>3</sub>/CYSZ Thermal Barrier Coatings with Functionally Graded Design**  
Kırbıyık F., Göller G.  
Materials Science and Technology 2016 MS&T'16, Salt Lake, United States Of America, 23 - 27 October 2016, pp.64
- IX. **Processing and characterization of CYSZ/Al<sub>2</sub>O<sub>3</sub> functionally graded thermal barrier coating**  
Kırbıyık F., Göller G.  
18th International Metallurgy and Materials Congress, İstanbul, Turkey, 29 September - 01 October 2016, pp.58

## Metrics

Publication: 12

Citation (WoS): 14

Citation (Scopus): 35

H-Index (WoS): 1

H-Index (Scopus): 2

## **Congress and Symposium Activities**

International Conference on Sintering 2017 (Sintering 2017), Attendee, California, United States Of America, 2017

15th Conference & Exhibition of the European Ceramic Society (ECerS2017), Attendee, Budapest, Hungary, 2017

Materials Science & Technology 2016 MS&T'16, Attendee, California, United States Of America, 2016

18th International Metallurgy and Materials Congress, Attendee, İstanbul, Turkey, 2016

## **Non Academic Experience**

Dublin City University