

## **Asst. Prof. DERYA HAROĞLU**

### **Personal Information**

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### **Education Information**

Doctorate, North Carolina State University, College Of Textiles, Textile Technology Management, United States Of America  
2010 - 2014

Post Graduate, İstanbul Teknik Üniversitesi, Sosyal Bilimler Enstitüsü, Executive Mba, Turkey 2006 - 2007

Under Graduate, Ege Üniversitesi, Mühendislik Fakültesi, Tekstil Mühendisliği, Turkey 1998 - 2002

Under Graduate, Ege Üniversitesi, Mühendislik Fakültesi/Tekstil Mühendisliği, Almanca Hazırlık, Turkey 1997 - 1998

### **Foreign Languages**

English, C2 Proficiency

### **Dissertations**

Doctorate, Polymer Optical Fiber Sensor And The Prediction Of Sensor Response Utilizing Artificial Neural Networks,  
North Carolina State University, College Of Textiles, Textile Technology Management, 2014

### **Research Areas**

Textile Engineering and Technology, Technical Textiles, Engineering and Technology

### **Academic Titles / Tasks**

Assistant Professor, Erciyes University, Mühendislik Fakültesi, Endüstriyel Tasarım Mühendisliği , 2015 - Continues

Research Assistant, Erciyes University, Mühendislik Fakültesi, Tekstil Mühendisliği, 2009 - 2015

### **Professional Experience**

Erasmus Coordinator, Erciyes University, Mühendislik Fakültesi, Endüstriyel Tasarım Mühendisliği , 2015 - Continues

### **Courses**

Seminar, Post Graduate, 2018 - 2019

Industrial Design and Implementation I, Under Graduate, 2018 - 2019

New Product Development, Under Graduate, 2018 - 2019

Graduation Project, Under Graduate, 2018 - 2019  
Statistics For Design, Post Graduate, 2018 - 2019  
New Product Development, Under Graduate, 2018 - 2019  
Technical English I, Under Graduate, 2019 - 2020  
Management of New Product Development, Post Graduate, 2018 - 2019  
Ergonomics, Under Graduate, 2018 - 2019  
Industrial Design and Implementation II, Under Graduate, 2018 - 2019  
Statistics, Under Graduate, 2018 - 2019  
Statistics, Under Graduate, 2018 - 2019  
Statistical Methods In Engineering, Doctorate, 2018 - 2019  
Ergonomics, Under Graduate, 2018 - 2019  
High Technology Fibers, Post Graduate, 2018 - 2019

### **Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes**

- I. **Development of a three dimensional (3D) knitted scaffold for myocardial tissue engineering. Part I: mechanical performance of the knitted structures**  
Haroglu D.  
Journal Of The Textile Institute, vol.1, pp.1-13, 2021 (Journal Indexed in SCI Expanded)
- II. **Development of a three dimensional (3D) knitted scaffold for myocardial tissue engineering. Part II: biological performance of the knitted scaffolds**  
HAROĞLU D., EKEN A., GÖNEN Z. B., BAHAR D.  
Journal of the Textile Institute, 2021 (Journal Indexed in SCI Expanded)
- III. **The response of polymer optical fiber (POF) to cyclic loading for the application of a POF sensor for automotive seat occupancy sensing**  
Haroglu D., Powell N., Seyam A. M.  
JOURNAL OF THE TEXTILE INSTITUTE, vol.108, no.1, pp.42-48, 2017 (Journal Indexed in SCI)
- IV. **A textile- based optical fiber sensor design for automotive seat occupancy sensing**  
Haroglu D., Powell N., Seyam A. M.  
JOURNAL OF THE TEXTILE INSTITUTE, vol.108, no.1, pp.49-57, 2017 (Journal Indexed in SCI)
- V. **The response of polymer optical fiber (POF) to bending and axial tension for the application of a POF sensor for automotive seat occupancy sensing**  
Haroglu D., Powell N., Seyam A. M.  
JOURNAL OF THE TEXTILE INSTITUTE, vol.108, no.1, pp.132-139, 2017 (Journal Indexed in SCI)
- VI. **Analysis of the CIE whiteness and whiteness tint of optically whitened cellulosic fabrics**  
Tutak M., Demiryuerek O., Bulut S., HAROĞLU D.  
TEXTILE RESEARCH JOURNAL, vol.81, no.1, pp.58-66, 2011 (Journal Indexed in SCI)

### **Articles Published in Other Journals**

- I. **Prioritizing Sensor Performance Characteristics for Automotive Seat Weight Sensors in Quality Function Deployment (QFD)**  
HAROĞLU D., Powell N., Seyam A. F. M.  
Advances in Automobile Engineering, vol.5, pp.153, 2016 (Refereed Journals of Other Institutions)

### **Refereed Congress / Symposium Publications in Proceedings**

- I. **Three Dimensional Printing In The Field Of Medicine**

HAROĞLU D.

3'rd International Symposium on Industrial Design & Engineering, Antalya, Turkey, 22 - 25 November 2018, pp.1-5

**II. Textile Based Scaffolds for Cardiac Tissue Engineering**

HAROĞLU D.

ISIDE 2nd International Symposium on Industrial Design & Engineering, Nevşehir, Turkey, 13 - 15 September 2017, pp.1

**III. Prioritizing Sensor Performance Characteristics for Automotive Seat Weight Sensors in Quality Function Deployment (QFD)**

HAROĞLU D., Powell N., Seyam A. M.

2nd International Conference and Exhibition on Automobile Engineering, Valencia, Spain, 1 - 02 December 2016, pp.32

**IV. The Response of Polymer Optical Fiber (POF) to Bending and Axial Tension for the Application of a 3D Multilayer Fabric Based Fiber Optic Sensor for the Automotive Industry**

HAROĞLU D., Powell N., Seyam A. M.

Sixth World Conference on 3D Fabrics and their Applications, Raleigh, United States Of America, 26 - 28 May 2015, pp.1-9

## Supported Projects

SİNANOĞLU C., HAROĞLU D., ÖZMEN Ö., AKGÜL E., SARI F. N. , TEKİN S. A. , YILMAZ E., Project Supported by Higher Education Institutions, 2'nd International Symposium on Industrial Design & Engineering, 2017 - 2017

## Scientific Refereeing

MATERIALS RESEARCH EXPRESS, Journal Indexed in SCI-E, August 2019

ADVANCES IN MATERIALS SCIENCE AND ENGINEERING, Journal Indexed in SCI-E, August 2018

## Citations

Total Citations (WOS):12

h-index (WOS):3

## Scholarships

Doctoral Fellowship / Graduate Student Support Plan (GSSP), University, 2010 - 2014