

ISSN 2667-4211

**ESKİŞEHİR TECHNICAL UNIVERSITY**  
**JOURNAL OF SCIENCE AND TECHNOLOGY**  
**A – Applied Sciences and Engineering**

8th International Fiber and Polymer Research Symposium

Volume **22** 8th ULPAS - Special Issue 2021

**Volume: 22 / 8th ULPAS - Special Issue 2021**

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**Volume: 22 / 8th ULPAS - Special Issue 2021**

**Owner / Publisher: Prof. Dr. Tuncay DÖĐEROĐLU** for Eskiőehir Technical University

**EDITOR-IN-CHIEF**

**Prof. Dr. Murat TANIŐLI**

Eskiőehir Technical University, Institute of Graduate Programs, 26470 Eskiőehir, TURKEY

**Phone:** +90-222-321 35 50 /**ext.:** 1755

**Fax:** +90-222 335 41 22

**e-mail:** [mtanisli@eskisehir.edu.tr](mailto:mtanisli@eskisehir.edu.tr)

**CONTACT INFORMATION**

Eskiőehir Technical University Journal of Science and Technology

Eskiőehir Technical University, Institute of Graduate Programs, 26470 Eskiőehir, TURKEY

**Phone:** +90-222-321 35 50 /**ext.:** 1767

**Fax:** +90-222 335 41 22

**e-mail :** [btda@eskisehir.edu.tr](mailto:btda@eskisehir.edu.tr)



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## 8<sup>th</sup> ULPAS 2021 Special Issue

International Fiber and Polymer Research Symposium (ULPAS) is held at different universities twice a year since 2016. The 8<sup>th</sup> ULPAS was organized by Eskişehir Osmangazi University on June 18-19, 2021. The symposium is principally devoted to enhance the development and use of the polymers and fibrous materials in different end-uses besides their usage in pure textiles and clothing. It has been enabling to build up a scientific and productive dialogue between members, academicians and industry people from different countries.

The 8<sup>th</sup> ULPAS symposium was focused on “**Fiber and Polymer Research in Defense Industry**” with associated **bio-defense** topics. Furthermore, the following subjects were discussed during the symposium:

1. Fibers, composites and textile structures in defense and space industry.
2. Medical textiles and composites for defense priorities.
3. Technical fibers (high temperature resistant silica, carbon, glass, basalt and similar fibers).
4. Textile and composite structures for transport and civil aviation.
5. Fibers and textile applications for home security and criminology.
6. Innovative fibers, energy applications and wearable technologies.
7. Fiber and polymer research in bio-security.

Following on from our very successful and enjoyable online 8. International Fiber and Polymer Research Symposium, we have requested to extend an invitation for selected papers by the scientific committee at the conference to submit their full-papers to *Eskişehir Technical University Journal of Science and Technology A - Applied Sciences and Engineering*. Each paper was evaluated by anonymous reviewers then as the field editors, we have made decision on it. We strongly believe that these symposium series can reach to many different research areas, whether they work mainly as researchers or students, hence they can see new pathways to integrate for innovation and cutting-edge research.

We take this opportunity to thank the organizing committee and the Rector of Eskişehir Osmangazi University for organizing the symposium and for providing the facilities. Our special and sincere thanks go to the supporting defense industry institutions, Presidency of The Republic of Turkey, Presidency of Defense Industries (SSB), Turkish Aerospace Industries (TAI/TUSAŞ), Aselsan, TEI, Havelsan, Roketsan, Boren, Mechanical and Chemical Industry Corporation (MKE). This symposium has been a real R&D meeting point for the Turkish Industrial Research and Development Centers. We are extremely grateful for this and we extend our warm thanks to all participating R&D Centers. We would also like to express our gratitude to the Fiber and Polymer Research Institute Secretariat for their diligence.

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Izadpanahi S, Ozcinar C, Anbarjafari G and Demirel H. Resolution enhancement of video sequences by using discrete wavelet transform and illumination compensation. *Turk J. Elec. Eng. & Comp. Sci.* 2012; 20: 1268-1276.

### **Books**

Haupt RL and Haupt SE. *Practical Genetic Algorithms*. 2nd ed. New York, NY, USA: Wiley, 2004.

Kennedy J and Eberhart R. *Swarm Intelligence*. San Diego, CA, USA: Academic Press, 2001.

### **Chapters in books**

Poore JH, Lin L, Eschbach R and Bauer T. Automated statistical testing for embedded systems. In: Zander J, Schieferdecker I, Mosterman PJ, editors. *Model-Based Testing for Embedded Systems*. Boca Raton, FL, USA: CRC Press, 2012. pp. 111-146.

### **Conference proceedings**

Li RTH and Chung SH. Digital boundary controller for single-phase grid-connected CSI. In: *IEEE 2008 Power Electronics Specialists Conference*; 15–19 June 2008; Rhodes, Greece. New York, NY, USA: IEEE. pp. 4562-4568.

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