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Education Information

Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Tekstil Mühendisliği (Dr), Turkey 2014 - 2021

Postgraduate, Pamukkale University, Institute Of Science, Tekstil Mühendisliği (YI) (Tezli), Turkey 2011 - 2014

Undergraduate, Anadolu University, Faculty Of Business Administration, Department Of Business, Turkey 2008 - 2014

Undergraduate, Pamukkale University, Faculty Of Engineering, Department Of Textile Engineering, Turkey 2006 - 2010

Dissertations

Doctorate, Modelling and Analysis of Three Dimensional Woven Fabrics, Dokuz Eylul University, Fen Bilimleri Enstitüsü, 2021

Postgraduate, Üç boyutlu orthogonal dokuma kumaşların sonlu elemanlar yöntemi ile modellenmesi ve analizi, Pamukkale University, Fen Bilimleri Enstitüsü, Tekstil Mühendisliği (YI) (Tezli), 2014

Research Areas

Textile Engineering and Technology, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Dokuz Eylul University, Mühendislik Fakültesi, Tekstil Mühendisliği Bölümü, 2014 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Development of eco-friendly diatomite substituted woven fabric reinforced composites with optimized reinforcing ratio**
Bozkurt E., Türkel S., Felekoğlu B., Korkmaz M.
CONSTRUCTION AND BUILDING MATERIALS, vol.440, pp.1-19, 2024 (SCI-Expanded)
- II. **The low velocity impact properties of three- dimensional (3D) warp interlock woven composites according to the fabric architecture**
Korkmaz M., Karakuzu R., Labanieh A. R., Boussu F.
JOURNAL OF COMPOSITE MATERIALS, vol.0, no.0, pp.1-14, 2024 (SCI-Expanded)

- III. **Effect of aging on the mechanical properties of woven fabric-reinforced calcined diatomite substituted cement-based composites**
Bozkurt E., TÜRKEL S., FELEKOĞLU B., KORKMAZ M.
Materials Research Express, vol.11, no.5, 2024 (SCI-Expanded)
- IV. **In and off- axes mechanical properties of three- dimensional textile reinforced carbon composites**
Korkmaz M.
JOURNAL OF COMPOSITE MATERIALS, no.-, pp.1-9, 2024 (SCI-Expanded)
- V. **Investigation of the bending and quasi-static indentation properties of three-dimensional (3D) textile-reinforced composites**
Korkmaz M.
POLYMER COMPOSITES, vol.2023, pp.1-12, 2023 (SCI-Expanded)
- VI. **Investigation of the effects of hybridization types and temperature on the quasi-static indentation properties of glass/flax hybrid composites for various test speeds**
KORKMAZ M., KARAKUZU R.
Polymer Composites, vol.44, no.8, pp.5272-5283, 2023 (SCI-Expanded)
- VII. **Modelling and analysis of the mechanical and forming behaviours of 3D warp interlock carbon woven fabrics according to the structural design parameters**
KORKMAZ M., Labanieh A. R., Boussu F., OKUR A.
JOURNAL OF THE TEXTILE INSTITUTE, vol.114, no.2, pp.182-197, 2023 (SCI-Expanded)
- VIII. **Mechanical characterization and low-velocity impact behavior of flax woven fabric-reinforced polymer composites**
Korkmaz M., KARAKUZU R., KORKMAZ M.
JOURNAL OF COMPOSITE MATERIALS, vol.56, no.20, pp.3185-3195, 2022 (SCI-Expanded)
- IX. **Investigation of the mechanical and forming behaviour of 3D warp interlock carbon woven fabrics for complex shape of composite material**
Korkmaz M., Okur A., Labanieh A. R., Boussu F.
JOURNAL OF INDUSTRIAL TEXTILES, vol.51, no.3_SUPPL, 2022 (SCI-Expanded)
- X. **The review about the numerical modelling and analysis of 3D woven fabrics**
Korkmaz M., Okur A.
JOURNAL OF THE TEXTILE INSTITUTE, vol.114, no.3, pp.496-522, 2022 (SCI-Expanded)

Articles Published in Other Journals

- I. **The Effects of Weaving Process on the Damage Formation of the E- Glass Yarn**
Korkmaz M., Korkmaz M.
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.28, no.2, pp.148-153, 2024 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **QUASI-STATIC INDENTATION BEHAVIORS OF GLASS-FLAX/EPOXY HYBRID COMPOSITES WITH TiO₂ NANOPARTICLE**
Abiş B., Karakuzu R., Korkmaz M.
2ND INTERNATIONAL PALESTRA SCIENTIFIC RESEARCH CONGRESS , Skopje, Macedonia, 29 - 31 July 2024, pp.995-1004
- II. **RESEARCH ON THE TENSILE PROPERTIES OF THREE DIMENSIONAL (3D) TEXTILES**
Korkmaz M.
International Congress of Sustainability and Technological Developments in Textiles, Gaziantep, Turkey, 13 - 15 October 2023, pp.437-440

- III. **The tensile properties of three- dimensional (3D) textile reinforced composites**
Korkmaz M., Kandaş H.
2. International Conference on Advances and Innovations in Engineering, Elazığ, Turkey, 21 - 23 September 2023, pp.544-547
- IV. **A Comparative Study On The Tensile Behaviour Of Flax And Polyester Woven Fabric Reinforced Cement-Based Composites**
Bozkurt E., Türkel S., Felekoğlu B., Korkmaz M.
INTERNATIONAL SYMPOSIUM SERIES ON GRADUATE RESEARCHES 2022, İzmir, Turkey, 17 - 18 November 2022, pp.1-10
- V. **MODELING THE TENSILE PROPERTIES OF FLAX WOVEN REINFORCED COMPOSITE WITH FINITE ELEMENT METHOD**
Korkmaz M., Kandaş H., Korkmaz M., Karakuzu R.
8. International Technical Textiles Congress, İzmir, Turkey, 13 - 14 October 2022, vol.1, pp.64-68
- VI. **The investigation of mechanical properties of flax woven fabric reinforced polymer composite material**
KORKMAZ M., KARAKUZU R., KORKMAZ M., Kandaş H.
V. International Istanbul Scientific Research Congress, İstanbul, Turkey, 14 August 2021
- VII. **Interesting features of 3D warp interlock carbon fabrics for composite material**
KORKMAZ M., Labanieh A. R., OKUR A., Boussu F.
International Textile Conference, Dresden, Germany, 28 - 29 November 2019
- VIII. **The Tensile Properties of 3D Warp Interlock Carbon Fabrics: Effect of Weave Pattern**
KORKMAZ M., Labanieh A. R., OKUR A., Boussu F.
17th NATIONAL 3rd INTERNATIONAL THE RECENT PROGRESS SYMPOSIUM ON TEXTILE TECHNOLOGY AND CHEMISTRY, Bursa, Turkey, 20 - 22 November 2019
- IX. **SPECIFIC PROPERTIES OF 3D WARP INTERLOCK CARBON FABRICS FOR COMPOSITE MATERIAL**
KORKMAZ M., OKUR A., Boussu F.
AUTEX2019 –19thWorld Textile Conference on Textiles at the Crossroads, Ghent, Belgium, 11 - 15 June 2019
- X. **An investigation on the mechanical behavior of 3D warp interlock carbon fabrics**
KORKMAZ M., Labanieh A. R., OKUR A., Boussu F.
34th Technical Conference of the American Society for Composites, ASC 2019, Georgia, United States Of America, 23 - 25 September 2019

Metrics

Publication: 22

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