

Personal Information

Email: ukumlu@cu.edu.tr

Web: <https://avesis.cu.edu.tr/ukumlu>

International Researcher IDs

ORCID: 0000-0001-7624-6240

Publons / Web Of Science ResearcherID: AAF-6586-2021

Yoksis Researcher ID: 338775

Research Areas

Engineering and Technology

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Numerical investigation of crash behavior of vehicle side door beams under high-speed pole side impacts**
Akar M. A., Kumlu U., Yıldızhan Ş.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS, PART D: JOURNAL OF AUTOMOBILE ENGINEERING, vol.237, no.14, pp.3408-3418, 2023 (SCI-Expanded)
- II. **Hybrid jute/carbon fiber composites: optimum post-curing time**
Karaçor B., Özcanlı M., Kumlu U.
IRANIAN POLYMER JOURNAL (ENGLISH EDITION), vol.32, pp.1443-1454, 2023 (SCI-Expanded)

Articles Published in Other Journals

- I. **Investigation of the under-vehicle plastic protection parts manufactured by core-back injection process in terms of strength and weight**
GÜLTEKİN Y., AKAR M. A., ALTINDAĞ A., DURAN D., KUMLU U.
International Journal of Automotive Engineering and Technologies, vol.12, no.4, pp.133-143, 2023 (Peer-Reviewed Journal)
- II. **Analysis of the wear and friction of brake pad added cashew and ulexite using ANSYS**
Akar M. A., Sugözü İ., Bilgi G., Kumlu U.
International Journal of Automotive Engineering and Technologies, vol.12, no.3, pp.83-91, 2023 (Peer-Reviewed Journal)
- III. **Tensile and Morphological Properties of Waste Tire Rubber Granule/Polyester Polymer Matrix Composite**
Yıldızhan Ş., Yel F., Akar M. A., Kumlu U.
Çukurova Üniversitesi Mühendislik Fakültesi dergisi, vol.37, no.3, pp.773-779, 2022 (Peer-Reviewed Journal)
- IV. **The Usage of Natural Fibers for Automotive Applications**
Akar M. A., Tosun A. T., Yel F., Kumlu U.
Macromolecular Symposia, vol.404, no.1, pp.1-3, 2022 (Scopus)
- V. **Potential of Using Agricultural Waste Composites as Thermal Insulation Material**

Refereed Congress / Symposium Publications in Proceedings

- I. **Crashworthiness analysis of circular and elliptical cross-sectional beams in vehicle door**
Kumlu U., Karaçor B., Özkeser B., Aslan A.
IV. International Siirt Conference on Scientific Research, Siirt, Turkey, 17 - 18 November 2023, pp.287-300
- II. **Examination of different material designs through finite element analysis on the military vehicle platform**
Kumlu U., Karaçor B., Kılınç Ö., Aslan A.
IV. International Siirt Conference on Scientific Research, Siirt, Turkey, 17 - 18 November 2023, pp.268-286
- III. **Ballistic evaluation of armor plates at different angles**
Kumlu U., Akar M. A., Başer D., Hükümdar Ö., Karaçor B.
2nd International Congress on Multidisciplinary Natural Sciences, Ankara, Turkey, 01 December 2022, pp.230-240
- IV. **The effect of air gap of multi-layered armour configuration during ballistic impact**
Kumlu U., Aldatmaz İ., Akar M. A., Karaçor B., Ercan E. S., Erdal D.
7th International Mediterranean Science and Engineering Congress (IMSEC 2022), Antalya, Turkey, 24 - 26 October 2022, vol.1, no.236, pp.565-570
- V. **Effect of rotational thrust on different geometries in crashing boxes**
Kumlu U., Erdal D., Karaçor B., Akar M. A.
7th International Mediterranean Science and Engineering Congress (IMSEC 2022), Antalya, Turkey, 24 - 26 October 2022, vol.1, no.212, pp.508-514
- VI. **INVESTIGATION OF IMPACT STRENGTH OF EPS/RRG/CHOPPED FIBERS/POLYMER RESIN COMPOSITES**
Soyusinmez T., Güzelipek O., Serin H., Özcanlı M., Kumlu U., Yıldızhan Ş.
Mediterranean International Conference on Research in Applied Sciences, Antalya, Turkey, 22 - 24 April 2022, pp.147-153
- VII. **Crashworthiness Analysis of Vehicle Side Door Beam with Finite Element Analysis**
Kumlu U., Akar M. A., Özcanlı M., Serin H., Çalık A.
6th International Mediterranean Science and Engineering Congress (IMSEC 2021), Antalya, Turkey, 25 - 27 October 2021, pp.615
- VIII. **Evaluation of Jute and Cotton Fabrics as Reinforcement Agent in Polymer Matrix Composites**
Tosun A. T., Akar M. A., Kumlu U.
6th International Mediterranean Science and Engineering Congress (IMSEC 2021), Antalya, Turkey, 25 - 27 October 2021, pp.311
- IX. **Recycled Waste Tyre Granules as Filler Material in Polymer Matrix: Mechanical Characterization Assessment**
Yel F., Akar M. A., Kumlu U.
6th International Mediterranean Science and Engineering Congress (IMSEC 2021), Antalya, Turkey, 25 - 27 October 2021, pp.310
- X. **Crashworthiness analysis of heavy truck chassis by using finite element analysis**
Karaçor B., Kapulu İ., Kumlu U., Özcanlı M.
6th International Mediterranean Science and Engineering Congress (IMSEC 2021), Antalya, Turkey, 25 - 27 October 2021, pp.635-642

Metrics

Non Academic Experience

KOLUMA OTOMOTİV ENDÜSTRİ AŞ.