

Res. Asst. HANDE VURAL

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: IYM-3873-2023

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Education Information

Postgraduate, Middle East Technical University, Faculty of Engineering, Department of Aerospace Engineering, Turkey
2022 - Continues

Postgraduate, Middle East Technical University, Faculty of Engineering, Department of Mechanical Engineering, Turkey
2021 - 2022

Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Aerospace Engineering, Turkey
2016 - 2021

Research Areas

Aeronautical and Space Engineering

Academic Titles / Tasks

Research Assistant, Middle East Technical University, Faculty of Engineering, Department of Aerospace Engineering,
2022 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Ductile failure of Inconel 718 during flow forming process and its numerical investigation**
Erdoğan C., Vural H., Karakaş A., Fenercioğlu T. O., Yalçınkaya T.
Engineering Failure Analysis, vol.152, 2023 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Experimental identification of uncoupled ductile damage models and application in flow forming of IN718**
Vural H., Erdoğan C., Karakaş A., Fenercioglu T. O., Yalçınkaya T.
26th International ESAFORM Conference on Material Forming, ESAFORM 2023, Krakow, Poland, 19 - 21 April

2023, vol.28, pp.807-816

II. Effect of process parameters on the ductile failure behavior of flow forming process

Erdoğan C., Vural H., Fenercioglu T. O., Yalçinkaya T.

23rd European Conference on Fracture, ECF 2022, Funchal, Portugal, 27 June - 01 July 2022, vol.42, pp.1643-1650

III. Numerical analysis of ballistic impact through FE and SPH methods

Göçmen Y., Vural H., Erdoğan C., Yalçinkaya T.

23rd European Conference on Fracture, ECF 2022, Funchal, Portugal, 27 June - 01 July 2022, vol.42, pp.1736-1743

IV. Ductile failure prediction during the flow forming process

Vural H., Erdoğan C., Fenercioglu T. O., Yalçinkaya T.

2nd International Workshop on Plasticity, Damage and Fracture of Engineering Materials, IWPDF 2021, Ankara, Turkey, 18 - 20 August 2021, vol.35, pp.25-33