ALP KAĞAN AÇAN

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EDUCATION

Ph.D., Middle East Technical University — 2021 - present
M.Sc, Middle East Technical University — 2019 - 2021
Thesis title: A comparative study of anisotropic hyperelastic models of biological soft tissues.
B.Sc, Izmir Institute of Technology — 2013 - 2018
HSDG Bornova Anatolian High School — 2009 - 2013

SKILLS

Software Skills Matlab, Fortran, Abaqus, Siemens NX, Solidworks
Techical Skills Continuum mechanics, finite element method, experimental material characterization

EXPERIENCE

Teaching Assistant — May 2019 - present
Middle East Technical University — *Ankara*

Research Assistant — May 2018 - May 2019
Izmir Institute of Technology — *İzmir*

Project Intern — June 2017 - August 2017
TOFAŞ Türk Otomobil Fabrikası A.Ş. — *Bursa*

Intern — December 2016 - February 2017
H.Çetin Makina Tasarım İmalat İnşaat ve Ticaret LTD. ŞTİ. — *İzmir*

Intern — June 2016 - July 2017
Izmir Institute of Technology Mechanical Shop — *İzmir*

PUBLICATIONS

- **Açan, A. K.**, Altun C., Dal, H. (2022). Dispersion-type Anisotropic Viscoelasticity: Model Validation for Myocardium. Proceedings in Applied Mathematics and Mechanics, accepted.
- Denli, F. A., Kaliske, M., **Açan, A. K.**, Tüfekçioğlu, M. E., Dal, H. (2022). Data driven constitutive modelling of rubberlike materials. In Constitutive Models for Rubber XII (pp. 105-111). CRC Press.
- Dal, H., Gültekin, O., Başdemir, S., **Açan, A. K.** (2022). Ductile–brittle failure of amorphous glassy polymers: A phase-field approach. Computer Methods in Applied Mechanics and Engineering, 401, 115639.
- Dal, H., **Açan, A. K.**, Durcan, C., Hossain, M. (2022). An in silico-based review on anisotropic hyperelastic constitutive models for soft biological tissues. arXiv preprint arXiv:2207.13985