

## **Emrah Sozumert**

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Mr Emrah Sozumert joined Loughborough University in United Kingdom, as PhD researcher in year 2014, shortly after he had obtained his MSc degree in Computational Engineering at Ruhr University Bochum in Germany in 2013. He studied “Numerical Modelling of Tube Forming Processes using Damage Coupled Plasticity” as his MSc thesis, in collaboration with Institute of Forming Technology and Lightweight Construction (IUL) at Technical University of Dortmund and Benteler® Paderborn. He is currently working on “Multi-scale Numerical Modelling of Nonwoven Composite Materials”, funded by Loughborough University and the Nonwoven Institute at NC State University in USA. He is a member of Mechanics of Advanced Materials Research Group at Loughborough University. His research interests are parametric modelling of fibrous materials with continuous and discrete models; mechanical performances of nonwovens; predictions of flow properties such as pressure drop and permeability in nonwovens using Finite Element and Computational Fluid Dynamics simulations.