

Catalin FETECAU

Professor, Ph.D. Eng.

General director, ReForm – Multidisciplinary Research Platform

Scientific member, Center of Excellence Polymer Processing

Research Interest

- Biomechanics
- Nanotechnologies
- Manufacturing of Polymeric Material
- Mechanical Behavior of Polymers and Polymer-Based Composites
- Metal and Polymers Cutting Processes
- Cutting tools
- Numerical Simulation Technological Processes (Cutting Processes, Injection molding Process)
- Polymer recycle and evaluation of material performance

Education

- Ph.D., Industrial Engineering, Dunarea de Jos University of Galati, Romania (1997)
- B.S., Mechanical Engineering, Dunarea de Jos University of Galati, Romania (1984)

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Selected Publications

- Stan F., Rosculet, RT, Fetecau C., 2019, Direct Current Method with Reversal Polarity for Electrical Conductivity Measurement of TPU/MWCNT Composites, Measurement, 136, 345-355.
- Stan F., Stanciu N.V., Fetecau C., 2017, Melt Rheological Properties of Ethylene-Vinyl Acetate/ Multi-Walled Carbon Nanotube Composites, Composites Part B Engineering, 110, 20-31.
- Cantaragiu, A., M., Fetecau, C., Paraschiv, G., 2015, Effect of Carbon Nanotubes Concentration on Creep Behaviour of Polypropylene-Carbon Nanotubes Nanocomposites. Revista Materiale Plastice (IF 0,824), București, ISSN 0025-5289, vol. 52 nr. 1, 2015, pp. 69 -74.
- Stan F., Sandu L., Fetecau C., 2014, Effect of processing parameters and strain rate on mechanical properties of carbon nanotube-filled polypropylene nanocomposites, Composites Part B Engineering, 59 (2014) 109–122.
- Stan F., Fetecau C., 2013, Study of stress relaxation in polytetrafluoroethylene composites by cylindrical macroindentation, Composites Part B: Engineering, 47, 298–307.