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 Department of Man-Made Fibres

Research:

The Department of Man-Made Fibres has more than 50 years of history and experience in man-made fibres. The main scientific interest of the Department can be divided into several fields: composite interactive cellulose fibres based on NMMO, nanofibres from biodegradable polymers, advanced materials based on biodegradable polymers for medical and technical applications, special fibres based on advanced polymers.

The Department is equipped with advanced devices for spinning solution preparation and fabrication of fibres and nanofibres by different methods (melt state, dry-wet, wet spinning).

Cooperation:

The Department is currently looking for partners from academia or industry.

We offer:

The Department is equipped with various devices for the determination of the properties of fibres and polymers: thermal analysis (TGA and DSC), rheometers and devices to determine the melt flow rate, devices for determining the mechanical properties of fibres (e.g. tensile tester), spectrometers (FTIR, UV-vis), optical microscopes.

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