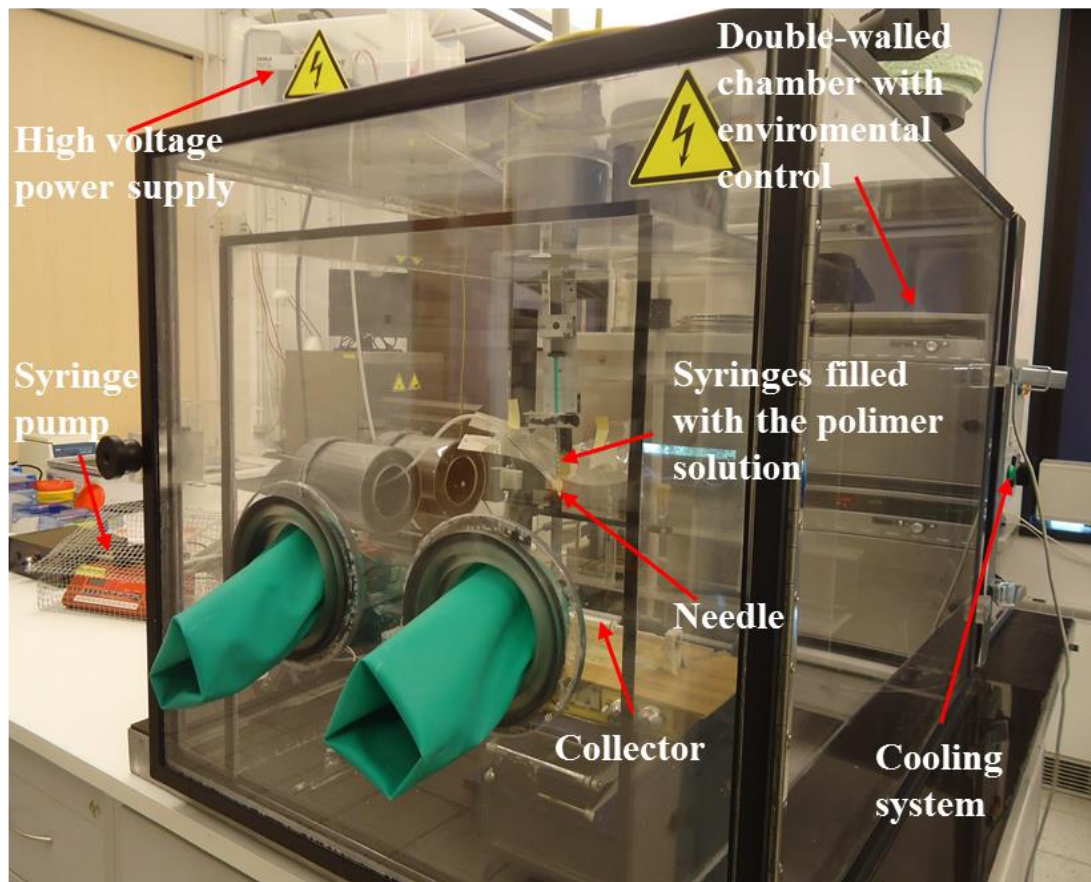


S1. Electrospinning chamber



Electrospinning environmental chamber constructed at IPPT PAN

The collector is a rotating drum with a diameter of 9 mm, which rotates at a present 2000 rpm speed and moves also in a direction perpendicular to the direction of polymeric nanofibers stretching. Such a collector movement makes possible to evenly distribute fibers.

Nanofibres were electrospun using a vertical co-axial setup with the outer layer flow rate (Q_{shell}) of $= 1500 \mu\text{l/h}$. The core solution flow rate was set to $Q_{\text{core}} = 1500 \mu\text{l/h}$. Electrospinning was performed at a positive voltage of $V = 15 \text{ kV}$. Nanofibres were collected onto a microscope slide and on the rotating drum (2000 rpm), covered with 3 cm width grounded aluminium foil. Temperature and humidity during electrospinning were $T = 25^\circ\text{C}$ and $h = 45\%$, respectively.