**Laboratory of nanofibrous materials**

**Equipment:** Laboratory of nanofibrous materials – equipment for electrospinning

**No. of Equipment:** UJEP28

**Responsible coordinator:** Mgr. Petr Ryšánek

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**Equipment Description**

Device for electrospinning - needle spinning of polymeric nanofibrous membranes (InoCure).

**Specification of expertise relevant to NanoEnviCzworkpackages:**

WP3 nanofibers, polymeric nanofibrous membranes with specific functions  
WP3 a, d, h, WP4 a, b, WP7 a, e, g

**Detailed description of expertise**

**Please, specify the main research topics connected with equipment**:

Fabrication ofpolymeric nanofiber membranes with specific functions using needle spinning.

**Please, specify the secondary research topics connected with equipment**:

Nanofibrous membranes for filtration and separation processes

Nanofibrous membranes for medical use (wound cover, tissue engineering)

**Keywords describing research area:**

Environment protection and biomedical applications

**Competence**

**Relevance for applied and industrial research:Relevance for fundamental studies:**

Fabrication of polymeric nanofibrous membranes with specific functions using needle spinning