**Laboratory of nanofibrous materials**

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

**No. of Equipment:** UJEP28

**Responsible coordinator:** Mgr. Petr Ryšánek

**Name of Institution:** J.E. Purkyně University

**Address of Institution:** Pasteurova 1, 40096 Ústí nad Labem

**E-mail:** Petr.Rysanek@ujep.cz

**Telephone:** (+420) 608627053

**Homepage:** <https://prf.ujep.cz/>

 **Contact person:** Prof. PavlaČapková

**E-mail:** Pavla.Capkova@ujep.cz

**Telephone:** +420 773934548

**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