**X-ray powder diffractometer with optics for nanolayers and nanosurfaces**

**Equipment:** X-ray powder diffractometer with optics for nanolayers and nanosurfaces Panalytical X Pert PRO

**No. of Equipment:** UJEP33

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**Equipment Description**

X-ray diffractometer equipped with optics for structure analysis of polycrystalline thin films and nanosurfaces.

**Specification of expertise relevant to NanoEnviCzworkpackages:**

X-ray diffraction analysis of thin films and nanosurfaces  
**WP3** a, c, d, f, **WP6** d, f, **WP7** g

**Detailed description of expertise**

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

X-ray diffraction analysis of thin films, nanosurfaces and nanofibrous membranes

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

Structure analysis of nanomaterials

**Keywords describing research area:**

**Competence**

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