**Electrokinetic analyser SurPASS**

**Equipment:** Electrokinetic analyser SurPASS, Anton Paar

**No. of Equipment: UJEP6**

**Responsible coordinator:** Zdeňka Kolská

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**Equipment Description**

**Description of equipment:** measurement of zeta potential of solid samples. Solid surfaces can be measured in the form of flat samples (polymer foils, glass, etc.) and powders or fibres (all size has to be higher than 25 micrometers).

**Specification of expertise relevant to NanoEnviCz workpackages:**

**WP3**d,h, **WP7**a,g

**Detailed description of expertise**

**Please, specify the main research topics connected with equipment**: equipment serves for determination of surface charge and chemistry unmodified and modified surfaces. Samples without and with surface modifications can be measured for determination of changes in surface charge (and chemistry). These changes are important for adhesion studies (for example study of adhesion of grafted materials to substrates, or adhesion of biomaterials to substrates, etc.)

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

**Keywords describing research area:**

Surface properties, surface charge.

**Competence**

**Relevance for applied and industrial research:** determination of changes of surface charge and chemistry unmodified and modified surfaces.

**Relevance for fundamental studies:**