

Department of Geology (DG)

[NTF](#) › [NTF](#) › [Research](#) › [RIC UL-NTF](#) › [Equipment](#) › [Department of Geology \(DG\)](#)

The Research Infrastructure Centre of the Faculty of Natural Sciences and Engineering (NTF) offers research equipment of NTF that is also located at the Department of Geology.

Department of Geology

Aškerčeva cesta 12

Privoz 11

SI-1000 Ljubljana

Tel: +386 1 470 45 00

Fax: +386 1 470 45 60

E-mail: info@ntf.uni-lj.si

Equipment

Microscope Nikon Eclipse+

Responsible person:

- Miran Udovč
- Chair of Mineralogy, Petrology and Materials
- Tel: +386 1 4704 632
- E-mail: miran.udovc@ntf.uni-lj.si

Purpose of equipment:

- Polarising microscope for optic microscopy
- Determining the optical properties of minerals in transmissive and reflective light

Access of equipment:

- Equipment is available at the Department of Geology NTF, Aškerčeva 12, room 219
- Equipment rental is not possible. It is possible to work independently; users must be familiar with the microscope control. Use of the equipment must be requested in advance.

Price of equipment use:

- use of the microscopes for an experienced user is € 19.85 per hour.
- use of the microscopes for an inexperienced user is € 31.43 per hour.



Portable handheld X-ray fluorescence (XRF) analyser NITON+

(Thermo Fisher Scientific, United States of America)

Responsible person:

- assist. prof. Matej Dolenc
- Chair of Mineralogy, Petrology and Materials
- Tel: +386 31 53 03 88
- E-mail: matej.dolenc@ntf.uni-lj.si, smudut@siol.net

Purpose of equipment:

- Geochemical elemental analyses of different samples:
 - analyses of major and minor elements in sedimentary, igneous and metamorphic rocks
 - analyses of heavy metals in soils
 - analyses of alloys
 - analyses of precious metals (gold and silver purity)

- analyses of toxic elements in food and plastic
- field analyses (monitoring)

Access of equipment:

- Equipment is available at the Department of Geology, Aškerčeva 12, Room 220.
- Equipment rental or independent work is not possible because it requires a qualified technician (a course in radiation protection, medical certificate, personal dosimetry and training at the headquarters of Niton Europe in Munich, Germany).

Price of equipment use:

- price for trained user is 24.89 € per hour
- price for untrained user is 51.71 € per hour



XRD - X-ray diffractometer with graphite monochromator+

Responsible person:

- assist. prof. Matej Dolenc
- Chair of Mineralogy, Petrology and Materials
- Tel: +386 31 53 03 88
- E-mail: matej.dolenc@ntf.uni-lj.si, smudut@siol.net

Purpose of equipment:

- X-ray phase identification of a crystalline material (geological and non-geological samples)

Access of equipment:

- Access to the equipment is possible only to technicians who have completed a course of radiation protection, personal dosimetry, medical certificate and the training course in Panalytical, Almelo.

Price of equipment use:

- price for trained user (without technician) is 30,00 € per hour
- price of technician is 30,00 € per hour

