

Stopped-flow UV-vis and freeze-quench facility @BBU

A stopped-flow UV-vis with diode array detector as well as monochromator, with freeze-quench capability, and with three-syringe sequential mixing capability (BioLogic, France), is available for use by interested researchers.

The instrument is located in room 56 at the Faculty of Chemistry and Chemical Engineering @BBU, as part of the Center for Fundamental and Applied Heterochemistry.

Permanent team

The director is Assoc Prof Radu Silaghi-Dumitrescu.

Team of authorized operating personnel: three BBU researchers, all under the age of 40, specialized in analytical chemistry, biochemistry and bioinorganic chemistry: Dr. Augustin Moț, Dr. Cristina Bischi, Dr. Florina Scurtu.

The **main activities** of the facility are research-related. Contract-based services are also welcome. Any interested parts are welcome to approach the laboratory director in order to discuss either line of collaboration. Prices for renting the facility, and/or for providing services, will be subjects of negotiation.

All BBU personnel may enjoy **access to the facility**, free of charge – pending a schedule approved by the laboratory director and with the actual measurements being performed by the core personnel (Moț, Scurtu, Bischin). For more extensive collaborations, as well as for contracts/collaborations with third parties, protocols will be negotiated regarding the operator of the instrument, types of experiments and their length, costs, and other aspects.

Current **collaborating groups** originate from:

- University of Texas at San Antonio
- University of Essex
- Ivanovo State University of Chemistry and Technology

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