

Chemistry Lab

The Chemistry Lab is established as a multidisciplinary scientific platform dedicated to advancing experimental and analytical chemical sciences through modern lab practices and research-oriented methodologies. Its primary mission is to support innovation-driven investigation in chemical systems relevant to environmental sustainability, industrial development, and emerging technological applications.

Who we are

The Chemistry Lab is a teaching and research space that helps students and researchers understand how chemical substances behave, interact, and transform. It supports the study of chemical composition, reactions, and molecular properties, serving both as a learning environment and a platform for applied research.

Mission Statement

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What we work on

01. Identification and analysis of chemical compounds
02. Study of chemical reactions and their rates; Preparation and testing of chemical solutions
03. Determination of concentration and purity
04. Investigation of compound stability and reactivity
05. Experimental synthesis at lab scale

Career opportunities

01. Chemists in chemical industries and manufacturing
02. Lab chemists (analytical, clinical, industrial)
03. Work in NGOs or specialists in environmental protection agencies
04. Quality control chemists in food and pharmaceutical sectors
05. Research assistants in scientific institutions and universities





Lab practices

01. Practical training in analytical and experimental chemistry

02. Hands-on work in student research projects and theses

03. Preparation of chemical reagents and standard solutions

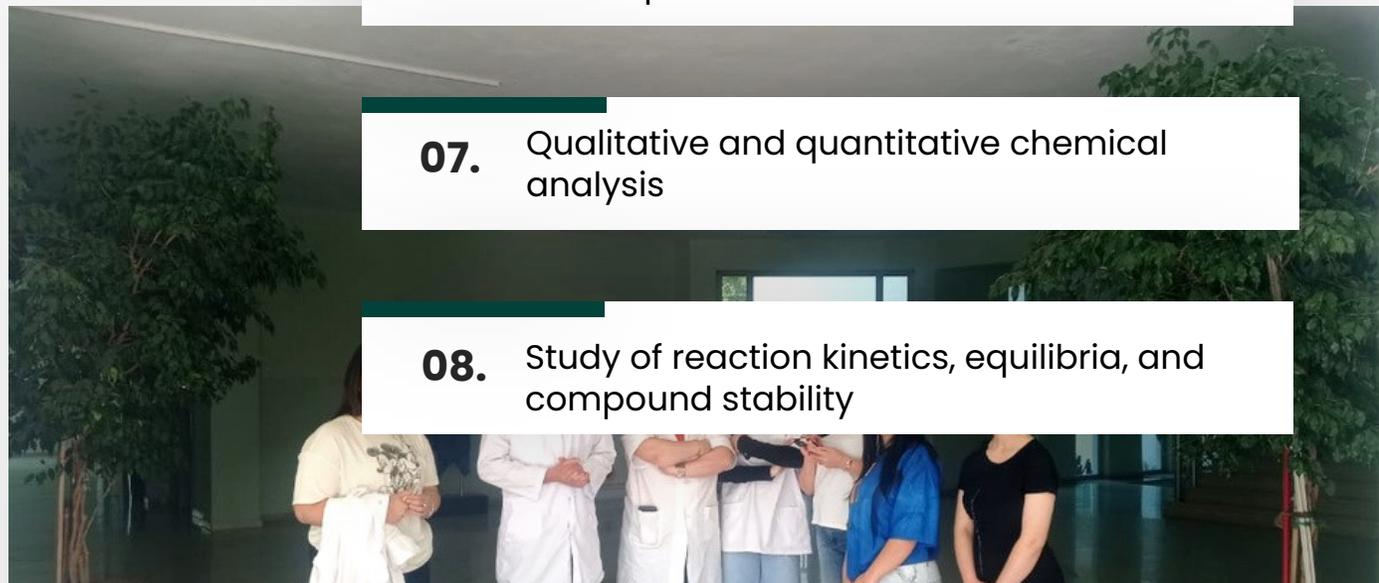
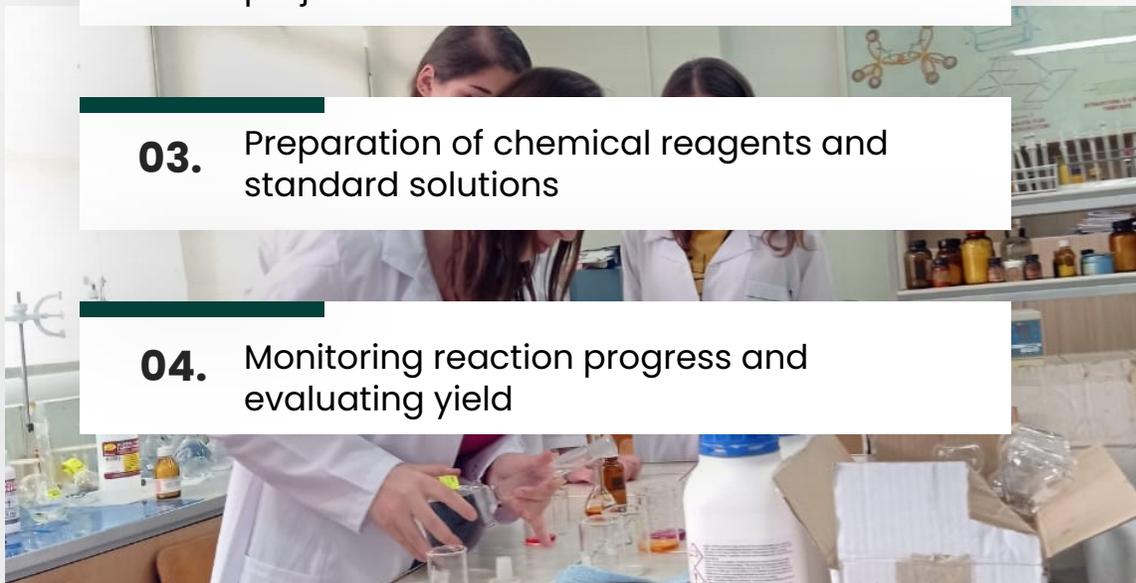
04. Monitoring reaction progress and evaluating yield

05. Measurement of physicochemical properties

06. Separation, purification, and verification of compounds

07. Qualitative and quantitative chemical analysis

08. Study of reaction kinetics, equilibria, and compound stability





Student research support

The lab provides mentorship and technical support for bachelor's and master's theses, lab assignments, and pilot studies. Students learn to design experiments, record observations, and interpret data while developing critical thinking, problem-solving, and independent research skills.

Our contribution

By combining teaching, experimentation, and research, the Chemistry Lab strengthens students' understanding of chemical processes and nurtures essential skills for future chemists. It encourages independent thinking and problem-solving, allowing students to translate theoretical knowledge into practical applications.