



# CATHOLIC UNIVERSITY IN RUŽOMBEROK

—Shaping minds and hearts—

## FACULTY OF EDUCATION

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### Research at the Department of Chemistry and Physics

- electrochemistry and electroanalytical chemistry
- development of analytical-chemical methodologies for the determination of substances that are important in the environment, food, pharmacy and marginally in medicine.
- didactics of modern chemistry.
- processing of a set of inexpensive chemical experiments from inorganic chemistry suitable as demonstration experiments and student experiments in laboratory work.
- Processing a set of information from inorganic and bioinorganic chemistry for teachers to develop chemical education. The set will provide opportunities for curriculum motivation, new scientific knowledge from the presented area and application in practice (individuals, companies). Attention is also paid to the environmental aspect of the application of substances in practice.