



NATIONAL INSTITUTE OF CHEMISTRY

WE ARE HIRING



Senior Associate in Bioprocessing and Analytical Techniques (f/m)

Job responsibilities

- Perform and optimize **downstream processing** operations (e.g., extraction, purification, filtration, chromatography).
- Conduct biocatalytic reactions with enzymes.
- Conduct analytical characterization using techniques such as:
 - UV-Vis spectroscopy
 - HPLC
 - Electrophoresis (SDS-PAGE, Western blotting)
 - FTIR spectroscopy
- Interpret analytical data and prepare high-quality reports.
- Maintain and operate laboratory equipment according to **GMP requirements**.
- Contribute to method development, process improvement, and troubleshooting.
- Collaborate with multidisciplinary project teams and support ongoing research activities.
- Ensure compliance with safety, quality, and documentation standards.

What we expect

- Master's Degree (VII/2) in Biology, Biochemistry, Biotechnology, Chemical Engineering, or a related field.
- Practical laboratory experience, preferably in an industrial or GMP-regulated environment
- Use of analytical methods, including HPLC, UV-Vis, SDS-PAGE, Western blotting, FTIR.
- Excellent record-keeping, organization, and documentation skills.
- Ability to work independently and within a multidisciplinary team.
- Active knowledge of English (written and spoken).

Preferred skills

- Experience with additional analytical platforms (e.g., LC-MS, GC-MS, rheology, thermal analysis).
- Knowledge of enzyme reactions and of the enzyme immobilization techniques on solid carrier particles.
- Knowledge of process scale-up or bioreactor operation.
- Familiarity with quality-controlled environments (ISO, GMP audits, validation).
- Experience in downstream processing techniques are beneficial



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We are seeking a highly motivated candidate to join our team in the area of **bioprocessing, analytical characterization, and downstream processing**. If you have a strong background in **life sciences and/or chemical engineering**, hands-on experience in laboratory work under **GMP standards**, and excellent technical skills in **protein/biomolecule analysis and purification processes** you are very welcome to join our team of researchers in the Department of Catalysis and Chemical Reaction Engineering.

What we offer

- Fixed-term employment until 28 February 2027, with a four-month probation period,
- Start date: March 2026 or as agreed,
- Flexible working environment with flexible working hours,
- Fruit provided, exercise activities for employees, and organized employee social events

More info: Filipa A. Vicente
(Filipa.andre.Vicente@ki.si)

Send your application, including a CV and cover letter, by February 18, 2026, inclusive, to the email address zaposlitev@ki.si, with the subject line: "D13-Senior Associate (H027001) in Bioprocessing and Analytical Techniques."

