

Call for Applications

Interdisciplinary Research Positions

ASOIU Research Ecosystem

The Azerbaijan State Oil and Industry University (ASOIU), a leading institution renowned for its research excellence, invites applications for multiple interdisciplinary research positions, such as research assistants across several advanced scientific centers, including:

- High Performance Computing Centre (HPC Centre)
- Intelligent Control and Decision-Making Systems in Industry and Economics Lab
- Scientific Research Institute of Geo-Technological Problems of Oil, Gas and Chemistry
- UFAZ's Chemistry, Petroleum, and Geosciences Laboratories

These appointments are designed to strengthen ASOIU's research capabilities and foster cross-disciplinary innovation across engineering, natural sciences, and digital technologies.

About the Positions

Successful candidates will join vibrant research teams and contribute to cutting-edge projects spanning the following domains:

- **Energy Technologies and Optimization**
Development of energy-saving technologies, reservoir simulation, enhanced oil recovery, automation and modeling of fuel-energy complexes.
- **Data Science, AI, and Intelligent Systems**
Research in machine learning, decision-support algorithms, optimization and control systems for industrial and economic applications.
- **Geo-Technological and Environmental Challenges**
Applied and theoretical research into oil, gas and chemical process technologies, including geoscientific data analysis and sustainability solutions.
- **Advanced Materials and Chemical Engineering**
Laboratory-based experimental and theoretical research in chemical synthesis, catalysis, petroleum chemistry, and geoscience applications.

Desired Qualifications

- PhD in a relevant discipline (e.g., Computer Science, Chemical Engineering, Geosciences, Control Systems, Applied Mathematics, Physics).
- Programming skills (e.g., Python, C++, R); familiarity with cloud computing platforms (AWS, Azure) is a plus.
- Experience with AI/ML, simulation software, or lab-based experimentation, depending on the role.
- English proficiency required; Azerbaijani fluency is an asset.

Application Requirements

- Cover letter outlining your research interests and alignment with ASOIU's strategic focus areas.
- Curriculum Vitae (CV) with detailed academic and research credentials.
- Contact details for three professional references.

Review Process

Review of applications begins March 20th and continues until all positions are filled.

We welcome individuals from all backgrounds and do not discriminate based on race, religion, gender, national origin, sexual orientation, age, or disability status.

Learn More and Apply : <https://research.asoiu.edu.az>

Further Information : interdisciplinary.research@asoiu.edu.az