

POLITEHNICA UNIVERSITY OF TIMIȘOARA
HUMAN RESOURCES DEPARTMENT
Personnel Office

ANNOUNCEMENT

regarding the organisation of a competitive recruitment procedure for one vacant position

a) INFORMATION ABOUT THE POSITION

Position title: Research Assistant (PhD Candidate), within the project “Centre of Excellence in Water Management, Valorisation of Materials, By-products and Waste for the Implementation of the Circular Bioeconomy”, 6CoEx/02.06.2026, PN-IV-P6-6.1-CoEx-2024-0056

Workplace: Politehnica University of Timișoara, Department of Applied Chemistry and Engineering of Inorganic Compounds and the Environment

Number of vacancies: 1

Position level: Non-managerial / executive

Employment period: 02 December 2026 – 31 May 2030

Working hours and conditions: 4 hours/day

Romanian Classification of Occupations (COR) code: 214309 – Environmental Protection Research Engineer

Salary: RON 75/hour

Main duties and responsibilities:

- Actively participate in the implementation of the project's research activities, in accordance with the objectives, work plan and deadlines established by the Project Director.
- Collaborate effectively with members of the research team and ensure delivery of the results undertaken within the project.
- Test innovative electrochemical and hybrid processes for drinking water treatment and wastewater treatment.
- Conduct studies on the integration of specific materials into systems developed for advanced water treatment aimed at water reuse.
- Prepare project-related technical documentation and scientific materials, and contribute to dissemination of results through publications and presentations at specialist conferences.
- Write and defend the doctoral thesis by the end of the project.

b) PREPARATION OF THE APPLICATION FILE

(1) To apply for the vacant research position, candidates must submit a file containing the following documents:

a) A signed application for participation in the recruitment procedure, accompanied by a declaration on the candidate's own responsibility confirming the accuracy of the information provided in the file.

b) A curriculum vitae signed by the candidate.

- c) A list of scientific publications, papers, articles/studies and patents selected by the candidate according to their relevance to the candidate's own scientific research activities.
 - d) Proof of PhD candidate status, by means of a certificate issued by the Doctoral School.
 - e) A copy of the Bachelor's degree diploma or equivalent / Master's degree diploma, as applicable. If the successful candidate does not hold a diploma issued by a Romanian higher education institution, they must submit a certified true copy of the certificate recognising or equating the diploma before appointment and signing the individual employment contract; otherwise, the administrative appointment decision will not be issued.
 - f) A copy of the identity card or another legally valid identity document, as applicable.
 - g) A copy of the marriage certificate or evidence of a name change, as applicable.
 - h) A medical certificate attesting fitness to perform the duties of the position, issued by the candidate's family doctor or an authorised medical facility no more than three months before the recruitment procedure.
 - i) A medical opinion issued by a specialist psychiatrist attesting fitness to perform the duties of the position.
 - j) A signed consent declaration for the processing of personal data.
 - k) Criminal record certificate.
 - l) Behavioural integrity certificate.
 - m) A copy of the employment record book or a certificate issued by the employer for the period worked, attesting length of service and experience in the field of studies required for the position.
- (2) The candidate's curriculum vitae must include:
- a) Education completed and degrees obtained.
 - b) Professional experience and relevant previous positions.
 - c) Research, development and innovation projects in which the candidate has participated.
 - d) Awards or other recognition of scientific contributions.
 - e) A narrative description of the three most important achievements relevant to the position – maximum three pages.
- (3) The application file shall be submitted electronically to the email address indicated in the recruitment announcement, or in hard copy at the research organisation's headquarters.
- (4) The secretary of the recruitment committee registers the application file, communicates its registration number to the candidate and forwards the file to the committee members in accordance with the organisation's recruitment regulations.
- (5) The secretary checks the completeness of the application file on the day it is received and registered. If it is incomplete, the secretary requests clarification from the candidate, who may complete the file until the application submission deadline.
- (6) In carrying out the duties set out in paragraphs (4) and (5), the secretary collaborates with the research organisation's human resources staff in accordance with its recruitment regulations.
- (7) Compliance with the legal eligibility conditions for participation is certified by the legal opinion of the relevant department of the research organisation, following verification by the recruitment committee that the applicable standards have been met, pursuant to Article 15(3).

Application period: 14 October 2026 – 12 November 2026

Submission location: Personnel Office, Room 327, or electronically by email to the project contact: florica.manea@upt.ro

Application screening and publication of screening results: 13 November 2026

Contact person: Silvana-Cornelia Mateiu – Tel. 0256403031

c) CONDITIONS FOR OCCUPYING THE POSITION

General conditions

A person may occupy a vacant or temporarily vacant position if they meet the following conditions:

- a) Hold Romanian citizenship, citizenship of another Member State of the European Union, of a state party to the European Economic Area (EEA) Agreement, or of the Swiss Confederation.
- b) Have written and spoken knowledge of the Romanian language.
- c) Have legal capacity to work in accordance with Law No. 53/2003 – the Labour Code, republished, as subsequently amended and supplemented.
- d) Be medically fit for the position applied for, as evidenced by a medical certificate issued by a family doctor or an authorised healthcare facility.
- e) Meet the education, relevant professional experience and, where applicable, other specific requirements of the position.
- f) Have no final conviction for offences against national security, public authority or humanity; corruption or offences committed in office; forgery; offences against the administration of justice; or intentional offences that would render the applicant incompatible with the contractual position, except where rehabilitation has occurred.
- g) Not be serving an ancillary penalty prohibiting the person from holding the position, practising the profession or trade, or undertaking the activity used in committing an offence, and not be subject to a preventive measure prohibiting the holding of a position or practising a profession.
- h) Not have committed the offences referred to in Article 1(2) of Law No. 118/2019 on the National Automated Register of Persons Who Have Committed Sexual Offences, Exploitation Offences or Offences Against Minors, and supplementing Law No. 76/2008 on the organisation and operation of the National Judicial Genetic Data System, as subsequently amended, for the fields specified in Article 35(1)(h).

Specific conditions

- Enrolment as a PhD candidate in Environmental Engineering or a related field.
- Knowledge of drinking water treatment and wastewater treatment technologies.
- Knowledge of the implementation of circular economy / industrial symbiosis principles in the water industry.
- Knowledge of the development of advanced and innovative water treatment processes.
- Advanced proficiency in English.
- Ability to work in a team and meet research project deadlines.

d) RECRUITMENT EXAMINATIONS

Venue: Faculty of Chemical Engineering, Biotechnology and Environmental Protection and Computers, Room B520, 2 Vasile Pârvan Boulevard, Timișoara.

The time of the in-person examination will be communicated to participants by email.

Written examination: 17 November 2026

Publication of written examination results: 18 November 2026

Interview: 19 November 2026

Publication of interview results: 19 November 2026

e) APPEALS

Submission of appeals against the written examination results and publication of appeal decisions: 18 November 2026

Submission of appeals against the interview results and publication of appeal decisions: 20 November 2026 – 23 November 2026

Publication of final results: 23 November 2026

f) CANDIDATE EVALUATION CRITERIA

1. Application file verification

- Compliance with application requirements and submission deadlines.
- Presence of all required documents.
- Compliance with the general eligibility conditions, based on supporting documents.

Outcome: Admitted / Rejected (administrative eligibility criterion).

2. Written examination

- Knowledge of drinking water treatment and wastewater treatment technologies.
- Knowledge of the implementation of circular economy / industrial symbiosis principles in the water industry.

Score: 0–100 points. Minimum passing score: 50 points.

3. Interview

- Relevance of publications, skills and qualifications.
- Professional experience relevant to the project activities.
- Quality and relevance of the presentation concerning the candidate's proposed development / participation within the project.

Score: 0–100 points. Minimum passing score: 50 points.

The final score is calculated as the arithmetic mean of the two scores. Minimum passing score: 50 points.

g) BIBLIOGRAPHY

Topics: drinking water treatment, wastewater treatment, innovative materials, development of advanced processes, and circularity solutions in water management.

1. Cheremisinoff, N. P. (2022). Handbook of Water and Wastewater. Butterworth-Heinemann.
2. Shestakova, M., & Hansen, B. (2024). About Water Treatment. Kemira Oyj.
3. Baci, A. M., Negrea, S. C., & Manea, F. (2023). Electrocatalytic degradation of organic pollutants from water. In Photocatalysts and Electrocatalysts in Water Remediation: From Fundamentals to Full Scale Applications (Eds.: Bhunia, P., Dutta, K., Vadivel, S.). John Wiley & Sons Ltd, pp. 241–273. <https://doi.org/10.1002/9781119855347.ch8>
4. Ahmad, I., & Abdulah, N. (2025). Nature-based technologies for wastewater treatment and bioenergy production. IWA Publishing. <https://doi.org/10.2166/9781789064100>
5. Racoviteanu, G. (2022). Technical Regulations on the Design, Construction and Operation of Municipal Water Supply and Sewerage Systems (RO language)]. NP 133-2022, Vols. I and II.

Note: Candidates admitted at each stage of the recruitment procedure must enter the examination room 10 minutes before the scheduled time in order to complete the legal formalities.

For any further information, please contact the project responsible P1-UPT: florica.manea@upt.ro

SIGNATURE

Partner Project Responsible
Prof. Florica Manea, PhD Eng.

