

CALL REQUIREMENTS

Call Title: RECRUITMENT OF POSTDOCTORAL RESEARCH STAFF FOR THE PROJECT "DEVELOPMENT OF ANALYTICAL TECHNIQUES IN-SITU AND UNDER OPERATING CONDITIONS FOR THE STUDY OF ELECTROCATALYSTS FOR THE ELECTROCHEMICAL CONVERSION OF NITRATE TO AMMONIA (BU036P23)"

Contact person: Aránzazu Heras Vidaurre

Department: Chemistry (Faculty of Science) Universidad de Burgos

Category: Researcher

Others

Workday: Full time

Part time

Aim:

The purpose of this contract is to carry out the following functions

- Design, development and optimization of UV/Vis absorption spectroelectrochemical strategies (UV/Vis-SEC) for the study of electrochemical processes.
- Design, development and optimization of Raman scattering spectroelectrochemical strategies (Raman-SEC) for the study of electrochemical processes.
- Study of the reaction mechanism of the electrochemical conversion of nitrate to ammonia using advanced spectroelectrochemical techniques (UV/Vis absorption, Raman scattering and photoluminescence).
- Treatment of spectroelectrochemical data using advanced chemometric analysis tools.

Requirements of the candidate:

General requirements

- Be at least sixteen years of age and not have reached the legally established retirement age.
- Not suffer from any illness or be affected by any physical or mental limitation that is incompatible with the performance of the corresponding duties. The proposed candidates must undergo a medical examination by the Prevention Service contracted by the University of Burgos.
- They must not have been dismissed, by means of disciplinary proceedings, from the service of any of the Public Administrations, nor be disqualified from the performance of public functions.
- Nationality: Spanish nationals and nationals of Member States of the European Union may participate in this call for applications, who will enjoy the same treatment and the same effects as Spanish nationals. These provisions shall also apply to nationals of those States to which, by means of International Treaties concluded by the European Union, the free movement of workers is applicable in the terms defined in the Treaty establishing the European Community. This contract will not be subject to conditions or requirements based on nationality. This possibility will always be understood to be conditional on applicants of non-European Union nationality being in Spain in a legal situation, being holders of a document that enables them to reside and to have unrestricted access to the labor market or that they can obtain a work permit or an exception to the permit.

- Qualification: To be in possession of the qualification required in the specific requirements, or proof of having paid the fees for its issuance.
- Not to be subject to any of the prohibitions for obtaining the status of beneficiary set out in article 13 of Law 38/2013, of 17 November on General Subsidies.

Specific requirements

Those who meet the following requirements may apply for a place:

- PhD degree in areas related to Chemistry before the date of publication of this call for applications.

Duration:

The contract will have a 3-year duration and may in no case be extended beyond 30/04/2027.

Gross monthly remuneration:

Gross monthly salary of 2503 €.

Application submission deadline:

The deadline for submitting applications is seven working days from the day following the publication of this call for applications on the University's electronic notice board.

Documents to be provided:

Applications must be submitted within the established deadline and accompanied by the following documentation:

- Copy of N.I.F., N.I.E. or copy of valid passport, the latter only in the case of foreign citizens not resident in Spanish territory.
- Curriculum Vitae. To be completed using the curriculum vitae in standard Curriculum Vitae (CVN) format via the website <https://cvn.fecyt.es/>
- The merits claimed must be duly justified at the time of submission of the application. Otherwise, they will not be considered.
- Photocopy of the doctoral degree or academic certification, with an express indication of the date on which the doctoral degree was obtained. In the event that the degree was obtained abroad, a sworn statement of the veracity of the documentation provided must be attached.
- At least one letter of recommendation from a researcher other than the supervisor of your doctoral thesis.
- Affidavit indicating the length of time of contracting access to the Spanish Science and Technology System and/or access of doctoral research personnel, in the case of having been contracted under this modality (according to the attached model).
- Any other documentation that can accredit the criteria required in the call for applications.