POSITION: Postdoc researcher

Agrotecnio is committed to a diverse and inclusive work environment. Employment is assessed on the basis of qualifications, competence, integrity and organizational needs, in accordance with the HRS4R certification requirements. Women are strongly encouraged to apply.

Clear and precise description of the activity

The environmental sustainability of dairy farming is increasingly scrutinized, particularly regarding nitrogen loss and NH3 emissions from housing and manure management systems. Our previous research identified significant differences in nitrogen loss between CUB and CBP housing systems, with CBP systems exhibiting substantially higher NH_3 emissions compared to CUB systems. Such emissions not only contribute to environmental degradation but also represent a loss of valuable nutrients. This project addresses critical environmental challenges by examining the full manure cycle, from production in barns to its application as fertilizer. The findings will inform strategies to reduce NH_3 emissions while preserving the agronomic value of manure, thereby promoting sustainable agricultural practices. By making cross-disciplinary collaboration within Agrotecnio, the project leverages diverse expertise to comprehensively tackle NH_3 emissions. The research aligns with regional and international goals of reducing agricultural emissions and supports policies aimed at enhancing soil health, reducing dependency on synthetic fertilizers, and ensuring long-term environmental and economic sustainability.

Place description

Agrotecnio- Universitat de Lleida
Campus Agroalimentari, Forestal i Veterinari
Avinguda Alcalde Rovira Roure, 191. 25198 Lleida

Profile, requirements and merits duly accredited.

- A PhD in Animal Science or Veterinary Sciences.
- Practical experience or theoretical knowledge in greenhouse gas (GHG) measurement, isotopic analysis, and amino acid profiling through chromatography techniques (e.g., HPLC, GC-MS).
- Demonstrated experience in handling datasets, performing statistical analyses, and applying data science techniques in agricultural or environmental research.
- Proficiency in Applied Statistics and Programming (JMP Software)
- Proficient English Language Skills
- Experience in interdisciplinary research projects.
- Strong publication record in relevant scientific journals.

Expected duration.

2 Months (from 10/02/2025 to 9/04/2025)

Weekly hours.

37,5 h/week

Gross amount

2,489 €/month

Name of the responsible researcher.

Dr. Ahmad Reza Seradj

Deadline.

08/02/2025

Place to present.

Secretary of Agrotecnio (administration@agrotecnio.udl.cat)

Composition of the evaluation committee.

President: Ahmad Reza Seradj

Secretary: Joaquim Balcells

Voice: Beatriz Serrano

Place where the resolution will be published

Agrotecnio website (https://agrotecnio.org/careers-job-offers/)

If you require further information on matters relating to the call please contact:

reza.seradj@udl.cat

The contractual modality is of indefinite duration, with specific clauses linked to the financing of the project in accordance with art. 49 1.b) and art. and 52.e) of Royal Legislative Decree 2/2015, of October 23, whereby the revised text of the Workers' Statute Law is approved.

Please if you are interested in the position send a CV and one recomendation letter to the mail: administration@agrotecnio.udl.cat

Foot note: Appeals against outcome of the administrative selection process may be directed to the Director/Acting director of the Center within one month outcome of

the selection process.

Lleida, 8 January 2025

Ahmad Reza Seradj