

SPOIL CONTROL

management and control
of spoilage microorganisms
in the production
of fermented beverages

International PhD Program SpoilControl Project

**Marie Skłodowska-Curie Actions
Doctoral Networks (DNs)**

Horizon Europe MSCA



**Funded by
the European Union**

Call for PhD Position

- **Position Title:**

Doctoral Candidate (DC9) – SpoilControl – Evaluate the Impact of Consumer Behavior on Spoilage Perception

- **Main Location:**

Instituto Superior de Agronomia (ISA) / School of Agriculture -
University of Lisbon, Portugal

- **Application Deadline:** 30/06/2025

*The application deadline may be extended as needed, according to each beneficiary institution, until the position is filled.

- **Context:**

The **University of Lisbon** is proposing applications for a PhD position within the **SpoilControl project**, funded by the **Horizon Europe Marie Skłodowska-Curie Actions (MSCA) program**.

SpoilControl aims to train the next generation of polyvalent researchers in the field of sustainable fermentation technologies, addressing microbial spoilage to improve the quality and safety of fermented beverages.

Europe is the historical leader in fermented drinks, but its competitiveness is increasingly challenged. Microbial spoilage in fermented food is a growing concern, both financially (economic losses) and from a health perspective (increased presence of pathogens, particularly in artisanal and homemade products). These issues are exacerbated by societal and environmental changes, such as the trend toward low-input products, sustainable practices, small-scale productions, and climate change. The fermentation sector also lacks a global framework, leading to duplication of efforts and partitioned investments.



SpoilControl will implement a novel strategy encompassing multiple beverages (wine, spirits, beer, cider, kombucha, kefir), disciplines (environmental and life sciences, engineering, economics), and solutions (sustainable biological, chemical, and physical treatments).

With 34 partners—including universities, SMEs, large companies, innovation clusters, startups, analysis laboratories, technical institutes, and homebrewers' groups—SpoilControl covers the entire fermentation chain from fermentation to glass.

The project aims to generate scientific, societal, and economic impact by improving public awareness of safety issues, developing innovative treatments, and promoting best practices for industry and consumers alike.

Spoilcontrol will recruit a total of 15 PhD candidates across 12 of our partner institutions in Europe.

- **PhD position description and responsibilities:**

The recruited PhD candidate for this research project will focus on **measuring the impact of organoleptic specificities of innovative fermented beverages on consumers' expectations and willingness to buy.**

- **Main responsibilities of the recruited student will include:**

- Defining and clarifying the concept of naturalness from the consumer's perspective;
- Drawing parallels between the consumer concept of naturalness and the definition used in biotechnological sciences;
- Conducting research and a state-of-the-art review on the contradictions within the concept of naturalness from environmental, food safety, and quality standpoints;
- Assessing whether product innovations in fermented beverages align with or contradict the notion of naturalness;
- Measuring consumers' willingness to buy natural fermented beverages, compared to conventional products and those incorporating innovations;
- Evaluating the impact of naturalness claims on consumer behavior;
- Analyzing the influence of consumers' geographical and cultural backgrounds, as well as gender, on their expectations and willingness to buy innovative fermented beverages.

This PhD will involve collaborations with:

- Work Package 3 (WP3) “Characterize spoilage’s impact” with DC8 involved (in sensorial impact – influence of matrix effects on the perception of off-flavor in fermented beverages)
- WP3 with DC10 (for methodologic/economic aspects)
- WP2 “Monitor microbial communities” with DC5 (pathogenic flora)

• Planned Secondments

6 months (M18-24) at **University of Bordeaux (UBx)** to perform economic experimental work

• Supervision and Progress Monitoring:

The selected DC will benefit from a structured progress monitoring and evaluation system to ensure smooth implementation and timely completion of the research project. This will include a main supervisor and two co-supervisors (from the University of Lisbon) and one co-supervisor from associated partner hosting the secondment.

1. **A thesis committee** composed of:

- Alexandra Seabra Pinto (main-supervisor - ISA)
- Eric Giraud-Héraud (co-supervisor - UBx)
- Jorge Ricardo da Silva (co-supervisor - ISA)
- Catarina Prista (co-supervisor - ISA)

2. **Monthly formal meetings** with the supervisory team to track research progress, training activities, and dissemination efforts.

3. A **six-month review of the Career Development Plan (CDP)** with supervisors to assess scientific advancements, training milestones, and employability.

4. Submission of **periodic reports** on training achievements and scientific results.

5. Mid-term evaluation to verify alignment with the Personal Career Development Plan (PCDP) and implement corrective actions if needed.

6. **Oversight of the WP5** “Recruitment, Training and DC support” by the training leader and the Project Coordinator, who will provide additional support in case of scientific or logistical challenges.

7. External evaluation from an **Advisory Board (AB)** during annual meetings, ensuring high-quality research and alignment with project objectives.

- **Eligibility Criteria:**

- Applicants can be of any nationality as long as they satisfy the **MSCA mobility rule**:

“No residence or main activity (work, studies, etc.) in the country of the recruiting beneficiary for more than 12 months in the 36 months before their recruitment date. Country of main activity = not only where the fellow was physically based but also the country of the institution for which the main activity was performed”.

- Candidates must hold a **Master’s degree in Economics** or be in the process of obtaining it by the start of the PhD project.

Related fields: Marketing and
Behavioral Economics

- Candidates may submit a ranked list of up to two research projects from Spoil control.

- **Conditions and Benefits:**

- Doctoral contract for 36 months
- Salary in accordance with MSCA funding and Portuguese regulation
- Tuition fees and visa-related fees are covered by the consortium
- Access to Instituto Superior de Agronomia - School of Agriculture / University of Lisbon infrastructure and resources
- Supervision by experienced researchers
- Opportunities for mobility and international collaborations within the SpoilControl consortium.
- Training opportunities in food and fermentation technology careers

Application Procedure

Applicants must submit the following documents by e-mail specifying the title of the PhD position: spoil.control@u-bordeaux.fr before **June 30, 2025**.

Document	Size	Comments	Name of the file
Detailed CV	1-2 pages	In English	Name.Lastname_CV
Personal statement	1 page	Free writting	Name.Lastname_PS
2 Reference Letters	1 page each	In English	Name.Lastname_RL
Copies of academic diplomas & transcripts		In English	Name.Lastname_Grades
Copies of English language proficiency certificates		For non-native English speakers	Name.Lastname_Lang
<p>Candidates of foreign nationality, except those from Portuguese-speaking countries, must demonstrate proficiency in spoken and written Portuguese (C1 level) of the Common European Framework of Reference for Languages (CEFR), as defined by the Council of Europe. This language proficiency requirement must be officially certified by a Portuguese as a Foreign Language proficiency certificate, issued by the <u>Centro de Avaliação e Certificação de Português Língua Estrangeira</u> (CAPLE).</p>			

• Selection Procedure:

SpoilControl will guarantee a genuinely independent, transparent, and professional evaluation of exceptional quality. The selection process will include the following steps:

- **Eligibility Check:** The Project Manager (PM) will carry out an initial eligibility check for all applicants.
- **Application Review:** Future academic supervisors, in accordance with the MSCA Green Charter, will review applications based on key evaluation criteria.

⚠ The 4-5 highest-ranked proposals for the PhD project will be shortlisted for the next stage.

- **Interviews:** Remote interviews will be conducted by the recruiting beneficiary and future supervisors, including non-academic members. These interviews will adhere to the MSCA Green Charter and the HR policies of the relevant institute.

- **Ranking List:** After the interviews, a ranking list will be generated for each DC project. The list will be sent to the Selection Board (SB) along with the applications and evaluation marks.
- **Selection:** The Supervisory Board (SB) will review the ranking list and endorse the final selection. They will establish the final shortlist and reserve list, which will consist of 15 applications for both categories (top selection and reserve).

- **Notification of Results:**

The PM or main supervisors will notify applicants of the final results by e-mail

EVALUATION CRITERIA FOR APPLICATIONS AND INTERVIEW:

	Max. Score	Criteria
Application	30	Experience
	20	Leadership Potential
	10	Career development
Interview	20	Presentation
	40	Research ability
	40	Leadership potential

For further information, please contact : Camila Martinez - SpoilControl
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