

This PhD program is for **Self-Funded PhD Students Only**

**International tuition fees for 2025-26 entry** – 4.800 € per annum

**Title: The application of microbiological risk assessment in a selected food system**

The focus of this PhD thesis is on the application of microbiological risk assessment in a selected food system. The study will assess the public health risk associated with specific pathogens by identifying key microbiological hazards, analyzing routes of contamination and exposure, and applying quantitative modelling. This will allow the identification of key risk factors, the evaluation of the effectiveness of current risk mitigation strategies and the provision of a practical recommendation to improve food safety in the selected food chain.

The selection of the food system for this research will be tailored to the candidate's country of residence to ensure that the study addresses region-specific food safety challenges, is in line with the local regulatory framework and provides practical solutions for local industry.

**Supervisors:**

Supervisor 1: prof. Dr Nada Smigic: e-mail: [nadasmigic@agrif.bg.ac.rs](mailto:nadasmigic@agrif.bg.ac.rs)

Supervisor 2: prof. Dr Milica Mirkovic: e-mail: [petrusic@agrif.bg.ac.rs](mailto:petrusic@agrif.bg.ac.rs)

Entry requirements: educational background (both bachelor's and master's degree) in food science, food technology, biochemistry, veterinary science, agronomy or similar. Applicants must meet the minimum English language requirements.

All potential applicants should send a CV highlighting educational background. In parallel, applicants may send a short research proposal (up to 3,000 words including references) to both supervisors. Upon selection of potential candidates, they will be contacted by the supervisors for an online interview, prior to selecting one PhD candidate.