



**FEDERAL UNIVERSITY OF RIO GRANDE – FURG
COLLEGE OF CHEMISTRY AND FOOD ENGINEERING
GRADUATE PROGRAM IN FOOD ENGINEERING AND SCIENCE**

**Ph.D. APPLICATION 2024 - FOREIGN OR BRAZILIAN CANDIDATES
DIRECT ADMISSION FROM A BACHELOR'S DEGREE TO THE Ph.D.
GRADUATE PROGRAM IN FOOD ENGINEERING AND SCIENCE**

The College of Chemistry and Food Engineering of the Federal University of Rio Grande announces the opening of admission directly into a Ph.D. in Food Engineering and Science. Federal University of Rio Grande (FURG) has been training professionals in Food Engineering since 1979, being the first undergraduate program in the Southern region of Brazil. Since then, it has developed training and research activities, adapting its infrastructure to meet the requirements for CAPES approval to offer a master's science course since 1996 and a Ph.D. since 2004.

1) OBJECTIVES OF THE GRADUATE PROGRAM IN FOOD ENGINEERING AND SCIENCE

General Objective: Promote and provide continuous improvement opportunities for professionals working in different segments of the food production chain, enabling activities that complement their education and consolidate the fundamentals of the field, to make them capable of solving problems, applying knowledge, innovating, and creating within their professional area of expertise.

Specific Objectives: Provide didactic and pedagogical conditions that allow for the deepening and updating of theoretical-practical knowledge of students; Develop research projects involving university and students that meet the demands of the field at national and international levels, aiming to contribute to technological innovation and sustainable development; Interact with other groups of researchers, nationally and internationally to acquire and share relevant knowledge in the field of Food Science, Technology, and Engineering, as well as related areas; Promote interaction between the University and other segments of the food production chain, establishing partnerships to develop innovative solutions for better utilization of the country's agricultural and hydrobiological resources.

2) CONCENTRATION AREAS

- 1) Food Engineering.
- 2) Food Science.

3) RESEARCH LINES

- 1) Food Bioprocess.
- 2) Characterization and Valuation of Coastal Ecosystem Resources.
- 3) Process Engineering.

4) SCHEDULE

Process	Date
Applications	April 16th to May 30th 2024
Homologation	May 31st 2024
Online technical-scientific interview and research plan defense	June 3rd to June 5th 2024
Preliminary result	June 7th
Appellation	June 8th 2024
Final result	June 10th 2024

5) APPLICATION

The application must be submitted exclusively to the e-mail: dqmposal@furg.br up to May 30th, 2024 and all the REQUIRED DOCUMENTS (PDF) must be attached. Incomplete documentation requests will not be homologated.

DOCUMENTS REQUIRED:

- Updated and validated curriculum vitae with a summary of the candidate's academic trajectory. Applicants should demonstrate in the curriculum a potential for high-level research. A minimum of three years of research experience is required, encompassing activities such as laboratory work, completion of an undergraduate thesis, participation in a course capstone project, or engagement in scientific initiation programs. Additionally, candidates must have authored at least two scientific papers with JCR (Journal Citation Reports) $\geq 0,5$;
- Undergraduate diploma (nationally valid) or certificate of completion of the undergraduate degree, with graduation date. The candidate attending the last semester of the undergraduate program may submit, for enrolment, a statement from the institution with the expected course completion. In this last case, the candidate should finish the last semester of the undergraduate up to July 2024. School transcript of the bachelor course and, if any, of the master course;
- Innovative research plan, in English or Portuguese, up to 10 pages on A4 paper, Times New Roman 12 font size, and 1.5 spacing. The text should include: (i) Title; (ii) Summary; (iii) Brief introduction, describing the state of the art of the problem to be investigated; (iv) Objectives; (v) Strategy and Methodology; (vi) Expected results and (vii) References.

6) CRITERIA FOR SELECTION, APPROVAL, AND CLASSIFICATION

Up to 3 Ph.D. vacancies will be opened. The candidate must choose the name of one (1) advisor according to the box below and indicate the name in the email application. More information about the advisors is on the page: <https://ppgeca.furg.br/en/teachers>.

Professor	Vacancy
Jaqueline Garda Buffon, Ph.D.	1
Jorge Alberto Vieira Costa, Ph.D.	1
Luiz Antonio de Almeida Pinto, Ph.D.	1
Michele Greque de Moraes, Ph.D.	1
Vilásia Guimarães Martins, Ph.D.	1

6.1 Selection criteria

1 – Minimum Requirement (eliminary): A minimum of three years of research experience is required, encompassing activities such as laboratory work, completion of an undergraduate thesis, participation in a course capstone project, or engagement in scientific initiation programs. Additionally, candidates must have authored at least two scientific papers with JCR (Journal Citation Reports) ≥ 0.5 ;

2 - Research plan analysis (eliminary): corresponds to 20% of the total score (value = 2 points). Candidates who score less than 7.0 on the project will be eliminated.

3 - Online technical-scientific interview (eliminary): corresponds to 30% of the total score (value = 3 points). Candidates who score less than 7.0 on the project will be eliminated. For the online interview, candidates must access the link provided on the Program's page (<https://ppgeca.furg.br/doutorado-direto>) on the scheduled date and time. The interview will consist of specific questions regarding the candidate's knowledge in the area of the chosen advisor, general questions about the candidate's academic/professional experience, and the research plan. The interview will take a maximum of 30 min and will take place remotely via the link previously disclosed on the Program's website.

4 - Analysis of the curriculum (classificatory): corresponds to 50% of the total score (value = 5 points).

6.2 Committee

The selection committee will be composed of professors listed below:

Anelise Christ Ribeiro, Ph.D.

Carlos André Veiga Burkert, Ph.D.

Cristiana Lima Dora, Ph.D.

Ednei Gilberto Primel, Ph.D.

Eliana Badiale Furlong, Ph.D.

Janaína Fernandes de Medeiros Burkert, Ph.D.

Jaqueline Garda Buffon, Ph.D.

Jorge Alberto Vieira Costa, Ph.D.

Larine Kupski, Ph.D.

Luiz Antônio de Almeida Pinto, Ph.D.

Lucielen Oliveira dos Santos, Ph.D.

Mariano Michelin, Ph.D.

Michele Greque de Moraes, Ph.D.

Vilásia Guimarães Martins, Ph.D.

6.3 Criteria for approval and classification

The filling of vacancies will respect the ranking order for the indicated advisor, depending on the number of vacancies available. Candidates who score below the cutoff point, 5.0 (minimum score), will be disqualified.

7) ENROLLMENT

The candidates approved for Ph.D. must enroll at the day and location to be disclosed on the program's website (www.ppgeca.furg.br) and each student will receive an email with all necessary information for enrollment.

8) START OF CLASSES

The second academic semester of 2024 will be announced on the program's website (<https://ppgeca.furg.br/ciclo-2>). Some courses are compulsory and may be offered in Portuguese, and the student must learn the language to complete the necessary credits. Classes take place in person and the candidate must reside in the city of Rio Grande/RS.

9) SCHOLARSHIPS

The Program will provide scholarships (CAPES DS) of BRL 3,100.00 per month, for a maximum of 48 months for the 3 successful candidates in the best position. The approved candidate is responsible for covering expenses with visa emission fees, travel tickets, installation, and other related costs.

10) FINAL DISPOSITIONS

Unforeseen issues in this call will be addressed by the selection committee. Appeals must be submitted through the email dqmposal@furg.br.

POSTGRADUATE PROGRAM IN FOOD ENGINEERING AND FOOD SCIENCE

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