



CT-Trib

CALL 01/2023

The Brazilian Science and Technology National Institute (INCT) on Green Tribology Towards the Energetic Transition (CT-Trib) makes public the call for the selection of scholarship holders to work within its headquarters unit at the Federal University of Rio Grande (FURG), Brazil.

I. General Information

The selection process will be entirely conducted by the Selection Committee specially appointed for this purpose, according to the following schedule:

Disclosure of public notice	05/05/2023
Application period	05/05/2023 a 05/06/2023
CV evaluation	06/06/2023
Web conference interviews	07/06/2023
Disclosure of preliminary results	08/06/2023
Period for appeals	09/06/2023
Disclosure of the Final Result	14/06/2023

II. Number of positions

The following positions will be offered for a project lasting 12 (twelve) months. If CT-Trib is interested, these grants may be extended.

- 02** junior postdoctoral scholarships (**PDJ** according to CNPq), monthly payment of **R\$ 5.200,00**
- 01** grant for research administrative (**DTI-C** according to CNPq), monthly payment of **R\$ 1.100,00**

III. Pré-Requisites

- Position 1 (40 hours per week): PDJ** - Holders of a diploma or certificate of Completion of a **Doctoral Degree in Chemistry, Chemical Engineering, Food Engineering, Biochemical Engineering or similar areas**, Brazilians or foreigners, in particular those with training or experience focused on the areas of surface engineering, and/or green chemistry, and/or green fuels and/or green lubricants, and/or analysis techniques and/or characterization techniques.
- Position 2 (40 hours per week): PDJ** - Holders of a diploma or certificate of Completion of a **Doctorate Degree in Mechanical Engineering and related areas**, in the area of **Tribology**, Brazilians or foreigners, in particular those who have training and/or experience in the areas surface engineering and/or green chemistry and/or green fuels and/or green lubricants.
- Position 3 (20 hours per week): DTI-C** – Holders of a diploma or certificate of Completion of an **Undergraduate Course recognized in Brazil**. The scholarship holder must be Brazilian and may engage in another remunerated activity, as long as it is not another scholarship granted by a Brazilian public funding agency. The scholarship holder will be responsible for the management



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activities of CT-Trib, and must master English, as well as show communication skills, mastery of basic computational tools, such as Word, Excell, Access, etc.
CNPq scholarships will be awarded to Approved Candidates, provided that CNPq rules are fully complied with.

IV. Documents Required for the Application

1. Application form;
2. Motivation Letter;
3. Copy of the Diploma or certificate from the institution where the relevant course for the intended vacancy has been completed – PDF format;
4. Copy of Identity Card and CPF – PDF format, or passport for foreigners;
5. Up-to-date Curriculum Vitae – Model Lattes/CNPq (<http://lattes.cnpq.br>) (PDF).

Further information:

- a) The applications will be made exclusively by e-mail (send documentation to the address ct-trib@furg.br; all requested documents must be send and all items in the registration form; any missing item will lead to disqualification of the application.
- b) If deemed necessary by the committee, the candidates may be asked directly to prove the information contained in the Lattes curriculum. In this case, the request will be made via the email informed by the candidate.
- c) The holder for position 1 will work in-person and must fully dedicate himself to research activities in Rio Grande, RS, Brazil. The position involves coordinating research focused on Green Chemistry and its ramifications carried out at CT-Trib by the various participating institutions, in addition to interacting with research carried out in the field of Tribology.
- d) The holder for Position 2 will work in-person and must fully dedicate himself to research activities in Rio Grande, Rs, Brazil. The position involves coordinating research focused on Tribology carried out at CT-Trib by the various participating institutions, in addition to interacting with research carried out in the field of Green Chemistry.
- e) The holder for Position 3 will work will work in-person in Rio Grande, RS, Brazil, under a 4h/day schedule.
- f) The results of the selection process will be published on the website of the graduate programs in mechanical engineering (<https://ppgemec.furg.br/>) and the graduate programs in technological and environmental chemistry (https://ppgqta.furg.br)

V. Selection stages

1. **CV Analysis** – **Elimination Stage** (grade 0-10): the Lattes Curriculum that obtains the highest score will receive a grade of ten, the others will receive proportional grades (rule of three simple), according to their score (according to Table 1). Candidates with the highest five scores will move on to the next stage.
2. **Oral Assessment** – **Classification Stage** (grade 0-10): in this stage, the grades obtained in the previous stage will be reset to zero, that is, only the grade from the oral assessment will be used to rank the candidates. During the evaluation, general knowledge of the areas of each vacancy, the candidate's motivation for the intended vacancy, specific details of the Lattes CV informed by the candidate and their professional experience will be addressed.

VI. Selection committee:

Prof. Henara Lillian Costa Murray – School of Engineering
Prof. Felipe Kessler – School of Food and Chemistry
Prof. Daiane Dias - School of Food and Chemistry



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TABLE 1. Criteria for the CV evaluation – Only since 2018

1. SCIENTIFIC PRODUCTION

Type	Points
1.1 Full manuscripts published in annals of international congresses in the field	0.05 p/publication
1.2 Patents deposited in Brazil or abroad in the area	0.25 p/ deposited patent 0.5 p/ conceded patent
1.3 Publication in high impact journals in the area of the call (classification according to the impact factor (IF) of the journal)	0.5 p/ paper with IF >3 0.4 p/ paper with IF >2 0.25 p/ paper with IF >1 0.1 p/ paper with IF >0,5 0.05 p/ paper with IF <0,5

2. SUPERVISION EXPERIENCE

Type	Points
2.1 Supervision of undergraduate reserach	0,1 p/ supervision
2.2 Supervision of undergraduate final project	0,1 p/ supervision
2.3 Master´s supervision	0,25 p/ supervision
2.4 PhD co-supervision	0,5 p/ supervision
2.5 PhD supervision	1,0 p/ supervision

3. ACADEMIC EXPERIENCE

Type	Points	Maximum points
3.1 Posdoc previous experience	0,25 p/ semester	1,0
3.2 Coordination of research projects (with funding)	0,5 p/ project	Not applicable