



MINISTÉRIO DA EDUCAÇÃO  
UNIVERSIDADE FEDERAL DE SANTA CATARINA  
CENTRO DE CIÊNCIAS FÍSICAS E MATEMÁTICAS  
PROGRAMA DE PÓS-GRADUAÇÃO EM FÍSICA

**Call for Applications no. 2/PPGFSC/2021**

**SELECTION PROCESS FOR ADMISSION TO THE DOCTORAL PROGRAM IN PHYSICS**

The Coordinator of the UFSC Graduate Program in Physics (PPGFSC/UFSC), in the exercise of his statutory duties, attributed by the Normative Resolution nº. 95/CUn/2017, of 4 April 2017, and by the PPGFSC Bylaws, makes public and establishes the rules for the application process destined to select students for admission to the PPGFSC Doctoral Program.

**1. PURPOSE**

1.1 This call for applications initiates the selection process for admission to the PPGFSC/UFSC Doctoral Program, whose aim is to provide scientific and professional development through advanced studies and scientific research.

**2. SCHEDULE**

- Release of the call for applications on the program's website and notice board: February 26, 2021;
- Application period: from February 26, 2021, at 10 am, to March 15, 2021, at 5 pm;
- Approval of applications: March 16, 2021, after 5 pm;
- Deadline for filing appeals against the approval result: from March 17, 2021, at 5 pm, to March 19, 2021, at 5 pm;
- Release of approved applications after analyzing the appeals: from March 19, 2021, 5 pm;
- Final result: March 30, 2021, after 5 pm;
- Deadline for filing appeals against the final release: from March 31, 2021, after 5 pm, to April 2, 2021, at 5 pm;
- Release of final results after analyzing the appeals: April 5, 2021, after 5 pm;
- Pre-registration period: from April 5, 2021 to April 11, 2021.

### 3. APPLICATION PROCEDURES

3.1. Applicants may hold a master's degree in physics or in the exact sciences and/or engineering fields. This option will be referred to hereinafter as "doctoral admission with a prior master's degree".

3.2. The PPGFSC/UFSC may accept applicants who hold a bachelor's degree in physics or equivalent diploma, even if they do not hold a master's degree. This option will be referred to hereinafter as "direct doctoral admission".

3.3. To apply for admission to the doctoral program, the applicant must do the following:

a) **Fill in the online application form**, available at: <https://ppgfsc.posgrad.ufsc.br/ficha-de-inscricao-on-line-do-processo-seletivo-doutorado/?lang=en>

b) Attach the following documents to the online form:

- **Digitized copy of a valid government-issued photo identification and of the CPF [individual taxpayer number];**
- **Digitized copy of the undergraduate diploma (double-sided).** For application purposes, exclusively for applicants who opted for the "direct doctoral admission" in their application form, other documents certifying that the degree will be completed before the date of registration in the PPGFSC/UFSC, as established in the UFSC academic calendar, will be accepted;
- **Digitized copy of the master's diploma (double-sided).** For application purposes, other documents certifying that the degree will be completed before the date of registration in the PPGFSC/UFSC, as established in the UFSC academic calendar, will be accepted;
- **Digitized copy of updated undergraduate transcript;**
- **Digitized copy of updated master's transcript;**
- **Digitized copy of the *Curriculum Lattes/CNPq*,** updated and available at <http://lattes.cnpq.br/>. Foreign applicants can present a *curriculum vitae* in free format.
- **Copy of the article (s) published / accepted in an indexed scientific journal:** It is necessary to attach a scanned copy of the first page of the article;
- **Copy of the article (s) submitted for publication in an indexed scientific journal:** It is necessary to attach a scanned copy of the first page of the manuscript and document to attest the submission;
- **Presentation of work at scientific conferences:** It is necessary to attach a scanned certificate of work presentation;
- **Scientific initiation:** Scanned certificate must be attached;

- **Quantitative list of bibliographic production for curriculum analysis, duly completed** (see Annex I).

3.4. The total size of all attached documents cannot be over 25 MB (twenty-five megabytes).

3.5. No late submissions will be accepted. No fax, mail and/or similar submissions will be accepted.

3.6. Applicants must inform in the online form (see item 3.2) their registration number in the *Exame Unificado de Pós-Graduações em Física – EUF* (Unified Exam of Graduate Studies in Physics) and the month when they took the EUF. Only one registration number will be accepted, corresponding to any of 5 (five) will be accepted editions of the EUF in the year 2020 (EUF 1-2020, EUF 2-2020 and EUF 3-2020), editions of the EUF held in 2019 and the edition of EUF 2-2018.

3.7. In case more than one application from the same applicant is received, only the most recent application will be considered.

#### **4. THE SELECTION PROCESS**

4.1. The selection process for the doctoral applicants will consist of three partial grades: the EUF normalized grade (N1), the *curriculum vitae* evaluation (N2) and the master's score (N3).

4.2. The final grade (NF) will be the sum of N1, N2 and N3 ( $NF = N1 + N2 + N3$ ).

4.3. The EUF normalized grade (N1) will be calculated by the formula:

$N1 = [(EUF\ Grade \times 5.0) / (EUF\ Average)]$ , where the "EUF Average" refers to the average grade obtained in the EUF edition taken by the applicant. The N1 grade will be calculated to the second decimal place.

4.4. The applicant who obtains N1 lower than 1.5 (one point five) will be disqualified.

4.5. The N2 grade consists in the *curriculum vitae* analysis.

4.6 The applicant's *curriculum vitae* has to be sent along with supporting documents for all bibliographical production described in the CV, which will be analyzed by the Admission Selection Committee according to the following criteria:

a) **Article published/accepted in an indexed scientific journal** (It is necessary to provide a digitalized copy of the paper's first page):

- 1.0 (one point zero) point if Qualis CAPES A1 and A2;
- 0.8 (zero point eight) point if Qualis CAPES B1 and B2;
- 0.5 (zero point five) point if Qualis CAPES B3 - B5.

b) **Paper submitted for publication in an indexed journal** (It is necessary to provide proof of submission and a digitalized copy of the paper):

- 0.3 (zero point three) point.

c) **Paper presentation in conferences by the candidate** (It is necessary to provide the digitalized copy presentation certificate):

- Presented by the candidate: 0.30 (zero point three) for oral presentation; 0.10 (zero point one) point for poster presentation;
- Co-authorship of the candidate: 0.15 (zero point one five) for oral presentation; 0.05 (zero point zero five) point for poster presentation.

d) **Scientific initiation** (It is necessary to present a digital proof):

- 0.25 (zero point two five) point per semester. Maximum of 1.0 (zero point zero) point for this item.

4.7. For scientific articles, the Qualis CAPES assignments for the most recent Astronomy and Physics area of the last two CAPES evaluations will be considered. In case there is no classification in the area of Astronomy and Physics, classification in related areas will be considered. For presentation of work, the points of presentation by the candidate and of oral presentation will be computed only if it is explicitly identified in the presentation certificate of the work.

4.8. In the case of submitted manuscripts without final evaluation, only articles submitted for publication in an indexed scientific journal, whose submission occurred within 12 months prior to the deadline for registration in the selection process, will be considered. Rejected manuscripts will not be considered.

4.9. Information entered in the curriculum, whose supporting documents are missing when submitting the application, will be disregarded *from* the curriculum analysis, as well as the sending of documents whose title is impossible to be attributed to the candidate.

4.10. The maximum total score for the N2 grade will be 4.0 (four point zero) points.

4.11. For applicants opting for the “doctoral admission with prior master’s degree”, the N3 grade will be calculated by the formula  $N3 = [2 - (M-24)*0.05]$ , where M is the number of months elapsed between admission and completion of the master’s degree.

4.12. For the degree length calculation, the applicant must provide a **document stating the date (month/year)** of admission and completion of the master’s degree.

4.13. The applicant who does not hold the master’s degree yet must provide a statement from their supervisor indicating the expected date of degree conferral.

4.14. For applicants opting for the “direct doctoral admission”, the N3 grade will be zero.

4.15. Applicants opting for the “direct doctoral admission” must necessarily:

- a) Have carried out scientific initiation research, or similar scientific activity, for a minimum period of 1 (one) year.

## **5. AFFIRMATIVE ACTIONS POLICY**

5.1. According to Normative Resolution No. 145/2020/CUN, of October 27, 2020, which provides for the policy of affirmative actions for blacks (blacks and browns), indians, people with disabilities and other categories of social vulnerability in the graduate courses lato sensu and stricto sensu at the Federal University of Santa Catarina, at least 28% (twenty-eight percent) of the scholarships available annually will be reserved for the implementation of this policy.

5.2. In case that the percentage of vacancies defined in the caput of this article results in a fractioned number, it will be upwarded.

5.3. The percentage of scholarship established in item 5.1, in case the number of scholarships available by funding agencies at the time of implementation does not include the affirmative action policy, this percentage will be considered in the subsequent selection process the year.

5.4. The candidate must, when filling out the online registration form, tick the specific field for the affirmative action policy, choosing only one of the following categories:

- a) Blacks (Black and Brown);
- b) Indians;
- c) People with disabilities;
- d) Quilombolas;
- e) Beneficiaries of the University for All Program (PROUNI) of the federal government, or beneficiaries of a scholarship aimed at undergraduate students from the public universities in a situation of socioeconomic vulnerability.

5.5. The candidate must send, through the online registration form, in addition to the documents listed in item 3.2 of this notice, the following document (s), according to the option chosen in item 5.4:

### **5.5.1. Scholarships for blacks and browns:**

- a) Self-declaration that he/she is black or brown, according to the color or race item used by the Brazilian Institute of Geography and Statistics - IBGE for candidates opting for vacancies for blacks (blacks and browns), Annex 2.

The validation of the self-declaration of black or brown will be made by the selection committee or Committee for Heteroidentification of Phenotype, which may count on the assistance of the Secretariat of Affirmative Diversity Actions - SAAD, with the following criteria: self-declared blacks or browns must have phenotypic aspects that characterize them as belonging to the black racial group. According to the Federal Supreme Court, in the vote on the constitutionality of the Action for Noncompliance with Fundamental Precept nº 186, the criterion is the phenotype and not ancestry.

### **5.5.2. Scholarships for indians:**

- a) Self-declaration that he/she is indigenous, to which ethnicity he belongs, the name and municipality of the village and the state of the federation, contained in Annex 3;

b) Copy of the administrative record of birth and death of Indians (RANI) or declaration of belonging issued by the indigenous people, recognized by FUNAI, signed by an indigenous leader recognized for the candidates / electants in the reserve reservation mode for indigenous people;

The validation of the Indian self-declaration will be confirmed by the selection committee, which may count on the assistance of the Secretariat for Affirmative Diversity Actions - SAAD.

### **5.5.3. Scholarships for quilombolas:**

a) Self-declaration that he/she is quilombola, name of the quilombola community, municipality and state of the federation, contained in Annex 4;

b) Document proving residence / belonging to the remaining quilombo communities, signed by a member of the Quilombola Association board recognized by Fundação Palmares.

The quilombola's self-declaration will be validated by the selection committee, which may count on the assistance of the Secretariat for Affirmative Diversity Actions - SAAD.

### **5.5.4. Scholarships for people with disabilities:**

a) Medical report, made no later than twelve months prior to inscription in this selection process, which must be signed by a medician specialist in the candidate's disability area, containing, in the clinical description, the degree or level of disability, with express reference to the corresponding code of the International Classification of Diseases - ICD and description of the impact of the disability on functionality. It must also contain the legible name, stamp, signature and CRM of the doctor who provided the certificate.

b) Candidates with Hearing Impairment (Deafness), in addition to the medical report, must be presented: audiometry (tonal and vocal) and immittance testing, the following exams performed in the twelve months prior to inscription in this selection process, in which the legible name, stamp, signature and number of the class council of the professional who took the exam.

c) Visually Impaired Candidates, in addition to the medical report, an ophthalmological examination showing the visual acuity must be presented, performed no later than twelve months prior to inscription in this selection process, as well as the readable name, stamp, signature and CRM of the professional who took the exam.

The documentation of candidates classified for the vacancy of a person with disabilities will be made by the selection committee, which may count on the assistance of the Secretariat for Affirmative Diversity Actions - SAAD. The committee may, if necessary, request candidates to provide additional documentation and / or undergo a face-to-face interview.

**5.5.5. Scholarships for PROUNI beneficiaries or scholarship beneficiaries for undergraduate students from the public university education system in a situation of socioeconomic vulnerability:**

a) Proof of having been a beneficiary of the University for All Program (PROUNI) of the federal government or beneficiary of a scholarship aimed at undergraduate students from the public university education network in a situation of socioeconomic vulnerability.

The documentation of the candidate classified for a scholarship in this modality will be analyzed by the selection committee.

**6. RESULTS RELEASE**

6.1. The result of the selection process will be released online on the website: [ppgfsc.posgrad.ufsc.br](http://ppgfsc.posgrad.ufsc.br) and on the PPGFSC/UFSC notice board on the date provided in the item 2 of this call.

**7. APPEALS**

7.1. Applicant will be guaranteed the right to appeal against the application approval decision and the released ranking list.

7.2. The appeal must be reasonable, consistent and follow a logical argument.

7.3. The appeal must be addressed to the Admission Selection Committee, and submitted via e-mail to: [ppgfsc@contato.ufsc.br](mailto:ppgfsc@contato.ufsc.br).

7.4. No late appeals will be accepted. No fax, mail and/or similar appeals will be accepted.

**8. THE SELECTION RANKING**

8.1. The final ranking list will follow the descending order of the grades obtained by each applicant.

8.2. In the event of a tie, the tiebreaker will be decided by the analysis of the applicants' academic records.

8.3. The candidate will be approved in the selection process if the final score (NF) is equal to or higher than 6.0 (six point zero).

8.4. The candidate approved in the selection process may enroll as a regular student of the program, even if he / she is not contemplated by the scholarship offer.

8.5. The candidate (a) approved in the selection process, who at the time of registration has opted for the policy of affirmative actions, will have his name listed in the general classification list containing the information of this adhesion.

## **9. TERM**

9.1. The results of this selection process will be effective from the date of results release until the date of the next semester's selection process.

## **10. GENERAL PROVISIONS**

10.1. The approval in the selection process ensures to the applicant only the expectation of the right to admission into the PPGFSC/UFSC, being this admission as well as the granting of scholarships subject to the fulfillment of the relevant legal provisions, the strict ranking order, the scholarship committee's decision as recorded in its meeting minutes, and the term of this selection process.

10.2. The invitation for admission to the PPGFSC/UFSC doctoral program will be sent via e-mail to the applicant, to the e-mail address provided by the applicant in the online application form.

10.3. Failure to send all the requested documents will exclude the applicant from the selection process.

10.4. Applicants will not be provided with any proof of qualification in the selection process, serving for this purpose the final results released on the PPGFSC/UFSC website and notice board.

10.5. A student's application or admission may be canceled at any time if any statement is found to be false and/or any irregularity is detected in the supporting documents submitted with the application.

10.6. Submitting an application implies understanding and tacit acceptance of all the conditions established in this call and in other regulatory notices pertaining to this selection process, of which the applicant cannot claim ignorance.

10.7. The PPGFSC office will contact all the approved applicants, through the e-mail address provided in the application form, to inform about the pre-registration procedures. The pre-registration period is from April 5, 2021 to April 11, 2021. If an applicant decides not to enter the PPGFSC, he or she shall send an e-mail to [ppgfsc@contato.ufsc.br](mailto:ppgfsc@contato.ufsc.br) informing the withdrawal.

10.8. The applicant who is granted a scholarship and does not pre-register at the PPGFSC office within the pre-registration period will have the scholarship canceled and the next applicant in the ranking list will be contacted.

10.9. After admission to the doctoral program, the student who opted for the "doctoral admission with prior master's degree" must present, until five business days before the beginning of the 1st semester of 2021 academic semester, a proof of master's degree completion or a statement indicating that the master's defense will take place up to thirty days after the beginning of the 1st semester of 2021 semester, as defined in the UFSC academic calendar for Graduate Programs.



10.10. After admission to the master's program, the student who opted for the "direct doctoral admission" must provide, until five business days before the beginning of the 1st semester of 2021 academic semester, a copy of the undergraduate diploma, or proof of degree conferral, or a statement indicating that the degree will be conferred up to thirty days after the beginning of the 1st semester of 2021 semester, as defined in the academic calendar for Graduate Programs.

10.11. Failure in presenting at least one of the documents listed in item 10.9 or 10.10, within the stipulated period, will result in the disqualification of the applicant.

10.12. The PPGFSC/UFSC will release, whenever necessary, calls, complementary rules and official notices about the admission process.

10.13. Situations not covered in this call will be referred to the PPGFSC/UFSC Admission Selection Committee.

Florianópolis, February 26, 2021.

IVAN HELMUTH BECHTOLD  
Graduate Program in Physics Coordinator

**Annex I - Quantitative list of bibliographic production for curriculum analysis, duly completed**

Productions listed in letters a, b, c and d of item 4.6 of the Call for Applications		
Description		Quantity*
Article published/accepted in an indexed scientific journal	Qualis CAPES A1 and A2	
	Qualis CAPES B1 and B2	
	Qualis CAPES B3 - B5	
Paper submitted for publication in an indexed journal		
Paper presentation in conferences <b>(ORAL presentation)</b>	Presented by the candidate	
	Co-authorship	
Paper presentation in conferences <b>(POSTER presentation)</b>	Presented by the candidate	
	Co-authorship	
Scientific initiation (number of months)		

\* In the field "Quantity" enter the number of items of this production listed in your curriculum and number of months for scientific initiation.

## ANNEX 2 - SELF-DECLARATION OF CANDIDATE (A) BLACK OR BROWN

Having made my registration in the Public Notice nº 1 / PPGFSC / 2021 for one of the vacancies destined, in the terms of Law 12.711 / 2012, Presidential Decree nº 7824/2012 and Normative Ordinance nº 18/2012 / MEC for one of the vacancies destined to the actions policies ethnic-racial statements:

1.  I declare for the specific purpose of meeting the requirement registered in the Selection Process, that I am black and have phenotypic aspects that characterize me as belonging to the black racial group.
2.  I declare for the specific purpose of meeting the requirement registered in the Selection Process, that I am brown and have phenotypic aspects that characterize me as belonging to the black racial group.
3.  I further declare that I am aware that the falsehood of this self-declaration has been detected and I am subject to the penalties of the law, especially the consequences related to art. 9 of Ordinance 18/2012-MEC and the announcement of this selection process.

Florianópolis, \_\_\_\_\_, 2021.

Name of Candidate: \_\_\_\_\_

Signature: \_\_\_\_\_

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### OPINION OF THE SELF-DECLARATION VALIDATION COMMITTEE OF BLACK OR BROWN CANDIDATES

The Commission, after evaluating the candidate:

- YES. Validates this self-declaration.
- DOES NOT validate this self-declaration and does NOT qualify the candidate for the continuity of the selection process for affirmative actions.

Florianópolis, \_\_\_\_\_, 2021.

Commission signature: \_\_\_\_\_

### ANNEX 3 - SELF-DECLARATION OF INDIGENOUS CANDIDATE (A)

1.  I declare for the specific purpose of attending the Selection Process of the Postgraduate Program in Physics (Edital nº 1 / PPGFSC / 2021) that I am INDIGENOUS.

2. I declare for the specific purpose of attending the Selection Process of the Postgraduate Program in Physics, that I belong to the following Indigenous Ethnicity:

Ethnicity Name: \_\_\_\_\_

3. I declare for the specific purpose of attending the Selection Process of the Postgraduate Program in Physics, that I come from the following Indigenous Village:

Village Name: \_\_\_\_\_

Municipality and State of the Federation: \_\_\_\_\_

2. I further declare that I am aware that the falsehood of this self-declaration has been detected and I am subject to the penalties of the law.

Florianópolis, \_\_\_\_\_, 2021.

Name of Candidate: \_\_\_\_\_

Signature: \_\_\_\_\_

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#### OPINION OF THE COMMITTEE ON VALIDATION OF SELF-DECLARATION OF INDIGENOUS CANDIDATES

The Commission, after evaluating the candidate:

YES. Validates this self-declaration.

DOES NOT validate this self-declaration and does NOT qualify the candidate for the continuity of the selection process for affirmative actions.

Florianópolis, \_\_\_\_\_, 2021.

Commission signature: \_\_\_\_\_

#### ANNEX 4 - KILOMBALL CANDIDATE SELF-DECLARATION

1  I declare for the specific purpose of attending the Selection Process of the Selection Process of the Postgraduate Program in Physics (Public Notice No. 1 / PPGFSC / 2021) that I am QUILOMBOLA.

2. I declare for the specific purpose of meeting the PPGSC / 2020 Selection Process, that I am from the following Quilombola Community:

Community Name: \_\_\_\_\_

Municipality and State of the Federation: \_\_\_\_\_

3. I further declare that I am aware that the falsehood of this self-declaration has been detected and subject me to the penalties of the law.

Florianópolis, \_\_\_\_\_, 2021.

Name of Candidate: \_\_\_\_\_

Signature: \_\_\_\_\_

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#### OPINION OF THE KILOMBALL CANDIDATE (AS) SELF-DECLARATION VALIDATION COMMITTEE

The Commission, after evaluating the candidate:

YES. Validates this self-declaration.

DOES NOT validate this self-declaration and does NOT qualify the candidate for the continuity of the selection process for affirmative actions.

Florianópolis, \_\_\_\_\_, 2021.

Commission signature: \_\_\_\_\_