



UNIVERSIDADE FEDERAL DE SÃO JOÃO DEL-REI
Departamento de Ciências Naturais - DCNAT
Programa de Pós-graduação em Física e Química de Materiais



ANNOUNCEMENT Nº 001, 14 de fevereiro de 2023

PHD SELECTION PROCESS FOR THE PHYSICS AND CHEMISTRY OF MATERIALS PHD PROGRAM AT THE FEDERAL UNIVERSITY OF SÃO JOÃO DEL-REI – UFSJ – BRAZIL

The Coordinator of the PHYSICS AND CHEMISTRY OF MATERIALS PhD Program at the Federal University of São João Del-Rei – UFSJ, <https://www.ufsj.edu.br/fqmat>, exercising the powers vested in them by law, make public through this announcement, information and procedures regarding PhD Selection Process for International Students – Class starting in 2023.

1. Available Places and scholarship

- 1.1. Total number of available places at FQMAT PhD Program: **1 (one)**.
- 1.2 The selected **PhD** student will receive a scholarship granted by FAPEMIG - “Fundação de Amparo à Pesquisa do Estado de Minas Gerais” – www.fapemig.br.
- 1.3 The value of each scholarship is R\$2.750 (two thousand, seven hundred and fifty reais) per month for 48 months.
- 1.4 The selection process will be on-line, however, if selected, the candidate will be required to have residence in the state of Minas Gerais, in Brazil.
- 1.5 The date of scholarship implementation and beginning of the Program is May or June 2023.

2. About the PhD Program

The Program in Physics and Chemistry of Materials aims to generating and disseminating scientific knowledge and training human resources capable of applying knowledge and



techniques of Physics and Chemistry involving the synthesis, processing, characterization and study of materials, and the understanding and solution of problems in the area of materials. The program offers two Research Lines: Synthesis, Characterization and Properties of Materials and Theoretical and Computational Studies of Materials, with several research projects inserted in these lines.

2.1 Faculty and Research lines available for candidates

The faculty available to receive candidates for orientation in the Physics and Chemistry of Materials Program, and the research lines they belong to should be accessed at:

https://ufsj.edu.br/fqmat/professors_areas_and_research_interests.php

2.2 Additional Information can be obtained by e-mail or checking the homepages

www.ufsj.edu.br/fqmat

https://ufsj.edu.br/fqmat/processos_seletivos.php

E-mail: fqmat@ufsj.edu.br

3. Requirements

3.1 To be able to participate in this selection process, candidates should:

- I - be from a country other than Brazil. Candidates with Brazilian nationality are not eligible for this call;
- II - be able to live in Brazil, in Minas Gerais state at São João del-Rei, during the whole period in which they will be receiving the scholarship;
- III - have completed an undergraduate degree by the time of enrollment;
- IV - have language proficiency in one of the following languages: Portuguese, English or Spanish.

4. Applications

4.1 Applicants shall make their application online from February 14th to March 24th, through the following link: <https://forms.gle/gJLYVkp1CUiJF8se9>



4.2 At the time of application, attach the following documents in PDF format in the appropriate space in the Electronic Form:

- I. Copy of the Identification Document with photo (valid passport, ID card, Driver's license or equivalent);
- II. Graduation School Records (in English, Portuguese or Spanish);
- III. Graduation Diploma (front and back) or Graduation Certificate with Graduation date;
- IV. Copy of Master's Degree Diploma or certificate of conclusion (not mandatory, but will be punctuated);
- V. Language Proficiency Certificate in one of the required languages: Portuguese, English or Spanish;
- VI. Curriculum vitae (CV) with relevant proofs;
- VII. A letter of reference from a university professor in the home country
- VIII. Declaration of genuine documents (Appendix I);

Observations

- (1) Language proficiency certificate is just required from candidates whose native language is not one of the required languages in the present call.
- (2) Candidates are not required to present a Research Project during Application Procedures.

4.2.1 The files to be uploaded in this medium should not exceed 10 MB (mega-bytes) each in size.

4.3 Only academic activities whose proofs are uploaded in the electronic form during the application procedure will be considered for punctuation during the selection process.

4.4 It is the applicant's responsibility to attach clear documents. Illegible documents will not be accepted or evaluated.



4.5 Documents uploaded or delivered after the deadline for application will NOT be accepted.

4.6 It is the responsibility of the candidates to register within the deadline set out in the Call. UFSJ is exempt from any technical problems related to the server (communication failure, connection problems, internet access) that hosts the environment submissions or questions regarding files in formats or sizes outside the acceptable standard.

5. Selection Process

5.1 The selection process will be held from February 14th to April 10th, following the steps discriminated in Articles 5.2 to 5.8 of this call.

5.1 The selection process for the Physics and Chemistry of Materials Program will comprise two stages:

I - Curriculum Vitae analysis – (eliminary);

II - Interview - (classificatory): The applicants will have from 10 to 12 minutes for presenting their perspectives and previous formation, followed by questions about CV and previous experience. The grade will be given by an examining board of two members, from zero to ten (0-10).

5.2 Curriculum Vitae Evaluation Criteria – Tables 1 and 2 below:



Table 1 – Curriculum Vitae Evaluation Criteria

| (1) - ACADEMIC EDUCATION | Points |
|--|----------------------|
| Graduation in Chemistry, Physics, Engineerings, Pharmaceutics or Biochemistry | 30 |
| Master degree in Chemistry, Physics, Materials, Engineerings, Pharmaceutics or Biochemistry | 40 |
| (other graduations and masters degree do not score points) | |
| (2) - Scientific Production | Points |
| Published paper (or accepted to be published) (Qualis 2017-2020, in the Materials field. See at: https://sucupira.capes.gov.br/sucupira/public/consultas/coleta/veiculoPublicacaoQualis/listaConsultaGeralPeriodicos.jsf) | |
| Main author of paper with Qualis A1 or A2. | 40 points per paper |
| Main author of paper with Qualis A3 or A4. | 30 points per paper |
| Main author of paper with Qualis B1 or B2 | 20 points per paper |
| Main author of paper with Qualis B3 or B4. | 10 points per paper |
| Author of paper with Qualis A1 or A2. | 20 points per paper |
| Author of paper with Qualis A3 or A4. | 15 points per paper |
| Author of paper with Qualis B1 or B2. | 10 points per paper |
| Author of paper with Qualis B3 or B4. | 5 points per paper |
| Registered patent (granted). | 20 points per patent |
| Patent in registration process (Deposited) | 10 points per patent |
| Scientific book issued by publisher with international editorial board. | 40 points per book |



| | |
|--|-----------------------|
| Scientific book issued by publisher with national editorial board. | 20 points per book |
| Scientific book issued by publisher with local editorial board. | 10 points per book |
| Scientific book chapter issued by publisher with international editorial board. | 20 points per chapter |
| Scientific book chapter issued by publisher with national editorial board. | 10 points per chapter |
| Scientific book chapter issued by publisher with local editorial board. | 05 pontos per chapter |
| (3) - EXTRA-CURRICULAR ACTIVITIES | Points |
| Scholarship holders of Scientific Initiation funded by development agencies or Pro-rectory. | 10 points per year |
| Volunteer Scientific Initiation certified by Pro-rectory or research board. | 5 points per year |
| Participation in paid monitoring program at higher education. | 2 points per semester |
| Participation in international events with work presentation (limited to one work per event) | 5 points per event |
| Participation in National events with work presentation (limited to one work per event) | 3 points per event |
| (4) - PROFESSIONAL PRACTICE AFTER GRADUATION | Points |
| Teaching experience of disciplines related to Physics, Chemistry and Engineerings in institutions of higher education (do not include curricular internships). | 5 points per semester |
| Teaching experience in disciplines related to Physics and Chemistry (do not include curricular internship). | 2 points per semester |
| Professional practice in activities related to the areas of Physics, Chemistry and Engineerings. | 2 points per semester |



Table 2 – Criteria For scoring the candidates' Curriculum

| | Maximum score for candidates at PhD Degree |
|---------------------------|---|
| | |
| Academic Education | 70 |
| Scientific Production | 100 |
| Extra-curricular Activity | 40 |
| Professional Practice | 10 |
| Total | 220 |
| GRADE | $6,742 \cdot (\text{TOTAL})^{1/2}$ |

Approval grade for the CV: 55 points.

5.7 The selection procedure: dates, times, and link for the interviews will be sent to the candidates by e-mail after application.

5.8 All the information concerning the process will be published at:
https://ufsj.edu.br/fqmat/processos_seletivos.php

5.9 The interview will be conducted in Portuguese or English, according to the preference of the candidate. Candidates should indicate language preference on the Application Form.

5.9.1 As the Curriculum vitae analysis is an eliminatory step, just candidates who will be approved at this first round will be contacted for the interview.



6. Chronogram

| | |
|--|--|
| Disclosure of the call | February 14 th to March 24 th , 2023 |
| Applications through the electronic form: https://forms.gle/gJLYVkp1CUiJF8se9 | February 14 th to March 24 th , 2023 |
| Selection process (CV analysis and Interviews) | March 27 th to April 6 th , 2023 |
| Publication of Final Result | April 10 th , 2023 |
| Scholarship implementation and enrollments | May or June 2023 |

It is the responsibility of the candidate to follow the development of each stage of the selection process through the webpage:

https://ufs.j.edu.br/fqmat/processos_seletivos.php

7. General Conditions

7.1. Applications imply applicant's knowledge, and acceptance of the rules and conditions set by this announcement.

7.2. Applicants will be excluded from this selection process if they:

- I. Do not attend or arrive more than 10 minutes later for the interview;
- II. Behave in an incompatible way with the fairness of the event, according to the criteria established in this call.

7.3. Anything left unstated in this announcement will be resolved by the PhD Program coordinator.

7.4. All time information is based on Brasília time zone.



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Register, publish and comply.


Prof. Dr. Marco Antônio SCHIAVON

Head of Graduate Programs in Physics and Chemistry of Materials



APPENDIX I

DECLARATION OF GENUINE DOCUMENTS

(THIS DOCUMENT IS AN EXAMPLE. Please, fill in with your personal information and sign. It is accepted wet signatures or electronic signatures. This Certificate will be scanned and uploaded in the Application Form, during Application procedure.)

By this declaration, I, <name, nationality, marital status, profession, ID number, and address>, certify that all documents sent by mail are genuine, specifically.

I do certify to have the knowledge that, in case of my approval in the Selection Process 2022, I must provide original documents for inspection during enrollment.

I state before at Federal University of São João Del-Rei (UFSJ), the information above is true and I take responsibility, in case of this statement be false, I shall be subject to administrative, civil and penal enforceable penalties.

(City, Date)

Applicant's name legibly written and signature



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