

## **CALL 37/2023 - SELECTION FOR VISITING PROFESSOR SCHOLARSHIPS (CAPES PRINT - UFABC)**

### **1. PURPOSE**

1.1 To attract researchers from abroad to provide courses, training, lectures or seminars in the Graduate Programs participating in the CAPES-Print of UFABC. This support will be in the form of scholarships.

1.2 The applications must demonstrate interaction with one of the following themes (see Appendix):

Theme 1: Biosystems and Biotechnology Tools;

Theme 2: Advances in Nanosciences, Structure of Matter, Quantum Physics and Advanced Materials;

Theme 3: Challenges of sustainability for the 21st century: energy, technology, development and fight against inequality;

Theme 4: Information and Communication Technologies, Complex Systems, and Smart Applications.

### **2. DURATION AND REQUIREMENTS**

2.1 The duration of the Visiting Professor scholarship in Brazil is 15 days or 01 month or 02 months or 03 months (see Appendix), starting on **April 1<sup>st</sup> 2024** or **May 1<sup>st</sup> 2024** or **June 1<sup>st</sup> 2024** or **July 1<sup>st</sup> 2024**.

2.2. The applicant must fulfill the following requirements:

I. Have a doctorate;

II. Demonstrate academic leadership and scientific productivity;

III. Own ORCID (<https://orcid.org/>)

### **3. PURCHASE VALUE AND FINANCIAL ITEMS**

3.1 The financeable items are monthly payment, travel allowance, installation allowance, and health insurance, as defined by Portaria CAPES nº 1, de 3 de janeiro de 2020 (see <http://www.in.gov.br/en/web/dou/-/portaria-n-1-de-3-de-janeiro-de-2020-236759939>)

### **4. DOCUMENTS REQUIRED FOR APPLICATION**

4.1 All documents below must be sent in pdf to the e-mail for applications (see Appendix):

a) Summary of the research project;

b) Research project, identifying theme and project (see Appendix), up to ten pages with 1.5 spacing and font size 12;

c) Justification;

d) Curriculum Vitae;

4.2 The selection will consist of an analysis of the documents and the merit of the project.

## 5. SCHEDULE

**Until January 5<sup>th</sup> 2024** - Registration of candidates. Send documentation to the institutional e-mail address to which the applicant is applying for the scholarship by 09:00 AM (Brasília time).

**Until January 11<sup>th</sup> 2024** - Selection.

**January 12<sup>th</sup> 2024** - Preliminary results of the selected candidates (<http://propg.ufabc.edu.br/capesprint>).

**Until January 17<sup>th</sup> 2024** - Deadline for appeals. Forward request to the institutional e-mail address to which the applicant is applying for the scholarship.

**January 19<sup>th</sup> 2024** - Final results (<http://propg.ufabc.edu.br/capesprint>).

**Until January 31<sup>th</sup> 2024** - Submission to CAPES and approval of applications.

**April 1<sup>st</sup> 2024 or May 1<sup>st</sup> 2024 or June 1<sup>st</sup> 2024 or July 1<sup>st</sup> 2024** - Scholarship starting date.

## APPENDIX

<b>ProPG quota</b>	
<b>Theme 1, Theme 2, Theme 3 and Theme 4</b>	
<b>Postgraduate Programs</b>	Biosystems, Biotechnosciences, Chemistry, Computer Sciences, Human and Social Sciences, Information Engineering, Mathematics, Nanosciences and Advanced Materials, Neurosciences and Cognition, Physics and Territory Management and Planning
<b>Scholarships</b>	<b>e-mail for application</b>
02 scholarships (15 days)	capes.print@ufabc.edu.br
08 scholarships (01 month)	
02 scholarships (02 months)	
02 scholarships (03 months)	

<b>Theme 1: Biosystems and Biotechnology Tools</b>	
<b>Postgraduate Programs</b>	Biosystems, Biotechnosciences, Chemistry, Information Engineering and Nanosciences and Advanced Materials
<b>Projects</b>	
Biotechnology research as a powerful tool for the Brazilian health service	
Bioactive compounds and their technological applications in biological systems	
Development of tools for the improvement of biotechnological processes applied to the medical field and agroindustry	
Development of new drugs and new pharmacotherapeutic approaches for the treatment of human and animal pathologies	
Development and characterization of high value biotechnological products	
Study of cellular and molecular mechanisms involved in the progression and treatment of pathologies of public health interest	
New scientific and technological developments in biotechnology	

<b>Theme 2: Advances in Nanosciences, Structure of Matter, Quantum Physics and Advanced Materials</b>	
<b>Postgraduate Programs</b>	Chemistry, Mathematics, Nanosciences and Advanced Materials and Physics
<b>Projects</b>	
Disruptive advances in Quantum Technology: Technological development and strategic innovation for the 21st century	
Challenges of astrophysics, cosmology and gravitation for the 21st century	
Advanced materials for structural and functional applications	
Fields and Particle Physics: discoveries and innovations for a new millennium	
Advanced materials: fundamental and applied studies	
Spectroscopy, spectrometry and computational simulation applied to the study of biomolecules and their interaction with the environment	

<b>Theme 3: Challenges of sustainability for the 21st century: energy, technology, development and fight against inequality</b>	
<b>Postgraduate Programs</b>	Chemistry, Human and Social Sciences, Nanosciences and Advanced Materials and Territory Management and Planning
<b>Projects</b>	
Sustainable Energy Storage and Production	
Human Rights: from theoretical foundations to contemporary trends at the local level (cities)	
Nanoscience for Environmental Preservation and Recovery	
Optimization of transformation processes aiming technological advances in analytical methodologies and preparation of nanoparticles and electrocatalysts	
Planning and Governance for sustainable metropolitan Regions in Latin America and Europe in the context of climate changes	
Catalytic and electrocatalytic transformations to obtain energy and higher added value products from biofuel and oil derivatives	

**Theme 4: Information and Communication Technologies, Complex Systems, and Smart Applications**

**Postgraduate Programs**

Biosystems, Chemistry, Computer Sciences, Human and Social Sciences, Information Engineering, Mathematics, Neurosciences and Cognition and Territory Management and Planning

**Projects**

IoT-based Applications for Smart Cities and Smart Farming

Data Science

Combinatorics and applications in Bioinformatics, Scientometrics, and Computer Graphics

Development and Evaluation of Innovative Technologies to Mediate Learning