Federal University of ABC (UFABC)

VACANCY ANNOUNCEMENT FOR VISITANT PROFESSOR
SPECIAL PROGRAM FOR THE DEVELOPMENT OF PURE MATHEMATICS
PUBLIC CALL (EDITAL) #046/2021

Number of vacancies and areas of knowledge:

3 (three) on Mathematics; with emphasis on:

❖ Analysis (Análise);

❖ Algebra (Álgebra);

❖ Geometry-Topology (Geometria-Topologia) or

❖ Probability (Probabilidade)

Requirements:

I – any Doctoral Degree obtained for at least 2 (two) years;

II – Physical and mental health for the job;

III – Other documents required (UFABC will intermediate visa process for foreigners)

Remuneration and term of employment:

❖ R$ 9,916.18 monthly per 40 weekly hours of work for one year, annually extensible up to 4 (four) years for foreigners

Required documents and application:

I – any Doctoral Degree

II – Curriculum vitae or generated on http://lattes.cnpq.br/

III – Curriculum items supporting documents such as published articles, book chapters, certificates etc. (check curriculum analysis chart on the appendix)

IV - research project and/or work plan, referenced and contextualized to the special program, area of knowledge of option and to the Pedagogical Project of UFABC, **with a maximum of twelve (12) pages**

All documents must be sent as a single zip folder (up to 200MB) until **18/Nov/2021 (BRT)**, through the website:

https://sig.ufabc.edu.br/sigrh/public/home.jsf

(menu Concursos / Concursos abertos / ⊕ Inscrever-se no concurso)

Detailed characteristics of the vacancy:

Special program for the development of Pure Mathematics: This program aims to develop and expand the triad Teaching-Research-Outreach in the area of Pure Mathematics at UFABC. By hiring visiting professors from the sub-areas of Analysis, Algebra, Geometry-Topology, and Probability, this program has the following objectives:

- Strengthen current research groups and form new research groups in Pure Mathematics;

- Establish collaborations with researchers from other institutions (national or international) in

order to enhance scientific exchange in Pure Mathematics;

- Improve the courses and teaching programs (undergraduate and graduate) in the area of Pure Mathematics based on the experiences and knowledge of visiting professors;

- Strengthen existing outreach or cultural actions and develop new outreach or cultural actions related to the area of Pure Mathematics based on the experiences and knowledge of visiting professors.

Considering the objectives of the special teaching, research and outreach program above, the visiting professor must act in the Teaching-Research-Outreach triad in the area of Pure Mathematics at UFABC, as follows:

Teaching: Visiting professors should contribute to the practical improvement of teaching programs in the following subjects in the area of Mathematics:

I - in the entry programs at UFABC - Bachelor in Science and Technology (BC&T), Bachelor in Sciences and Humanities (BC&H), Licentiate in Natural and Exact Sciences (LCNE), Licentiate in Human Sciences (LCH) -, in all the following courses: Bases Matemáticas, Geometria Analítica, Funções de Uma Variável, Funções de Várias Variáveis, Introdução às Equações Diferenciais Ordinárias e Introdução à Probabilidade e à Estatística.

II - in the Bachelor in Mathematics program, at least in one of the following courses: Álgebra Linear, Álgebra Linear Avançada I, Álgebra Linear Avançada II, Sequências e Séries, Análise Real I, Análise Real II, Teoria Aritmética dos Números, Grupos, Anéis e Corpos, Extensões Algébricas, Análise no Rn I, Equações Diferenciais Ordinárias, Equações Diferenciais Parciais, Matemática Discreta, Cálculo de Probabilidade, Probabilidade, Teoria de Medida de Integração, Topologia, Geometria Diferencial I, Geometria Diferencial II, Cálculo Vetorial e Tensorial, Funções de Variável Complexa, Cálculo Numérico, Programação Matemática.

III - in the Mathematics graduate program (MSc and PhD), at least in one of the following courses: Análise no Rn, Topologia Geral, Álgebra Linear e Multilinear, Análise Funcional.

Research: contribute to the research program of any of the following subareas: Analysis, Algebra, Geometry-Topology, Probability. The participation in this program will include the development of research activities in collaboration with groups already established at the University, with the possibility of building a new research group in the areas of Analysis, Algebra, Geometry-Topology, or Probability. The Visiting Professor should also be able to supervise undergraduate research students, as well as be able to supervise or co-supervise students of the Mathematics graduate program (MSc and PhD).

Outreach: contribute to outreach or cultural actions in the area of Pure Mathematics. In particular, the Visiting Professor is expected to propose new outreach or culture projects through the "Programa de Apoio a Ações de Extensão" (PAAE), or through the "Programa de Apoio a Ações de Cultura" (PAAC), or through the normative ProEC 010/2019, available throughout the year according to the information detailed in the following link: https://proec.ufabc.edu.br/images/a-proex/portarias-e-resolucoes/portarias-2019/Portaria_010_19_-_Fluxo_Cont%C3%ADnuo_BS_1.pdf.

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Additional information:

Further information can be found on the Public Call (Edital) 046/2021, available at: https://www.ufabc.edu.br/concursos/docentes/inscricoes-abertas (Portuguese only)

Results of the public selection will be published within 90 days from the closing of application period, on https://www.ufabc.edu.br/concursos/docentes