

Institute of Geosciences, University of São Paulo (IGc-USP)

Official Public IGc-USP Notice N° 32/2022

Date: November 29, 2022

Applications are now open for a teaching position in the area of Geobiology at the Department of Sedimentary and Environmental Geology (GSA) of the Institute of Geosciences of the University of São Paulo (IGc), main campus of the University of São Paulo (USP), in São Paulo, Brazil.

The Director of the IGc/USP hereby informs all interested persons that, in accordance with the decision reached at the Congregation Regular Meeting, held on November 16th, 2022, applications are open for a period of 90 (ninety) days, beginning on December 1st, 2022 at 8:00 AM until February 28th, 2023 at 5:00 PM, Brasília (DF) time zone for the selection process of titles and examinations to fill one (1) full time PhD Professor position under the RDIDP regime (RDIDP in the Portuguese acronym), position N° 1241575, involving teaching, research and outreach, ref. MS-3, with a salary of R\$ 13,357,25 (thirteen thousand, three hundred and fifty seven reais and twenty five cents), within the area of Geobiology under the terms of article 125, § 1 of the General Regulations of USP, involving the following graduate level courses:

GSA0305 – GEOBIOLOGY: Probable geological conditions in relation to theories of origin of life. Distribution of organisms in time and space and their applications in the understanding of biosphere-lithosphere relationships, in the study of sedimentation and in the interpretation of environmental parameters. Interferences of biological processes in the dynamics of Earth's surface and of geological processes in the evolution of life. Extinctions and evolutionary radiations in relation to geological phenomena and to paleontological and paleoenvironmental discoveries. Biogeochemical cycles and biotic interactions and physical environmental changes shaping the history of life and of the planet. Astrobiology as a model for understanding ways to detect signs of extraterrestrial life in the. State-of-the art methodologies in the study of Geobiology.

GSA0309 - EARTH HISTORY AND BIOLOGICAL EVOLUTION: Probable geological conditions in relation to theories of the origin of life. Geological history of life and its sedimentary record. Interferences of biological processes on Earth's surface dynamics. interference of geological processes on the evolution of life. Biological crises and radiation. Biological evolution in relation to geological phenomena and to paleontological and paleoenvironmental discoveries. Importance of knowledge in Geosciences for understanding of organic evolution and the importance of knowledge in Biosciences for understanding the amplitude of environmental issues.

GSA0218 - PALEONTOLOGY FOR LICENTIATE DEGREE IN GEOSCIENCES

* indicates Laboratory activities

1) Fossilization processes and the fossil record (*Processes and products of fossilization). 2) The establishment of conditions for the origin and maintenance of life on Earth (*The production of fossil molds). 3) Precambrian life: from the first cells to the first animals (*Early life fossil record). 4) The evolution of animals (*Fossil invertebrates I: Taphonomy of trilobites and cnidarians). 5) Major extinction events. 6) The first vertebrates (*Fossil aquatic

vertebrates). The origin of land plants and terrestrialization during the Paleozoic Era (*Fossil plants and their adaptations for life out of water). 7) The first tetrapods and the conquest of the terrestrial environment (*The footprint of *Notopus petri*). 8) Origin and evolution of dinosaurs and birds (*Archaeopteryx*, the first flying dinosaur). 9) The evolution of flowering plants in the Mesozoic Era (*The rise of angiosperms in the Mesozoic). 10) From the origin of mammals to the first hominids. 11) Trace fossils, traces of life (*Interpreting trace fossils). 12) Microfossils: uses in Paleontology (the use of microfossils). 13) Ice Ages and the emergence of humans: evolution and creationism. Field trips for the examination of Paleozoic, Mesozoic and Cenozoic sedimentary sequences, collecting fossils and visits to the Taubate Paleontology Museum and/or visits to the Irati, Botucatu and Adamantina formations outcrops at São Carlos and Monte Alto, State of São Paulo.

This public job search process is ruled by constitutional principles established at the General Regulations of USP and of the Institute of Geosciences of the University of São Paulo.

1. Candidates are required to apply online using the website <https://uspdigital.usp.br/gr/admissao>, within the period indicated above. Candidates must submit a request to the Director of the IGc/USP with personal information (name, RG, CPF or Passport number, nationality, marital status, landline and cellphone numbers, Post Office and email addresses), and indicate the job search area (Geobiology) along with the documents described in the following Sections:

I – detailed Memorial and proof of the published works, the relevant activities carried out related to the selection process and other information that allows the evaluation of merits, in digital format;

II – proof that the candidate holds a Doctor's degree, granted or acknowledged by USP, or nationally acknowledged;

III – proof of discharge from military service for male candidates;

IV – electoral discharge certificate or detailed certificate issued by the Electoral Justice less than 30 days before the beginning of the enrollment period.

2. The Congregation of the IGc-USP will evaluate applications in their formal characteristics and publish the final decision in an official notice.

Single Paragraph – The selection process will take place after the application is accepted, within a period of 30 (thirty) to 120 (one hundred and twenty) days, from the date of publication in the Official State Gazette of the approval of applications, in accordance with Article 134, single paragraph, of the General Regulations of USP.

3. The selection process will be carried out according to objective criteria, in two stages, through the attribution of scores in exams, divided as follows:

- 1st stage (eliminary) – written exam (weight 2)

- 2nd stage:

– I) Evaluation of the Memorial with public proof of argumentation (weight 4)

- II) Didactic exam (weight 4)

§ 1 - The call for applicants to take the exams will be published in the Official State Gazette.

§ 2 - Candidates who present themselves after the established time will not be able to take the exams.

I – First stage: WRITTEN EXAM – Eliminary Character

The written exam will deal with matters of general and doctrinal order and will be carried out in accordance with the provisions of art. 139, and its single paragraph, of the General Regulations of USP.

Candidates who obtain a minimum score of seven from the majority of the members of the judging committee will be considered qualified for the 2nd stage;

Only candidates approved in the first stage will participate in the second stage.

II - Second stage: PUBLIC ARGUMENTATION EXAM AND EVALUATION OF THE MEMORIAL AND DIDACTIC EXAM

JUDGMENT OF THE MEMORIAL

The judgment of the Memorial, expressed by a global grade, including judgment and evaluation, shall reflect the merits of the candidate.

During the analysis of the Memorial, the commission shall appreciate:

I - scientific, literary, philosophical, or artistic production;

II - university didactic activity;

III - activities related to the provision of services to the community;

IV - professional or other activities, when applicable;

V - diplomas and other university dignitaries.

DIDACTIC EXAM

The didactic exam will be public, with a minimum duration of forty and a maximum of sixty minutes, and will deal with the program of the aforementioned area of knowledge, under the terms of article 137 of the General Regulations of USP.

JUDGMENT OF THE 2nd STAGE

At the end of the assessment of the exams, each candidate will receive a final score from each examiner, which will be the weighted average of the grades awarded by her/him in both phases.

The exam scores may vary from zero to ten, with an approximation to the first decimal place.

The result of the selection process will be proclaimed by the judging commission immediately after its conclusion, in a public session.

Candidates who obtain a minimum final grade of seven from the majority of examiners will be considered qualified.

The nomination of candidates will be made by an examiner, according to the grades given by him/her.

The candidate who obtains the highest number of nominations from the judging committee will be proposed for appointment.

The tenure of the nominated candidate will be subject to approval in a medical examination carried out by the Department of Medical Expertise of the State – DPME, according to Article 47, VI, of Law No. 10,261/68.

The selection process will be valid immediately, and only the candidate nominated for the post in the selection process will be proposed for appointment.

The candidate will be called to assume the position by an official publication in the Official Gazette of the State (Diário Oficial do Estado).

4. Further information, as well as the rules relevant to the selection process, are available to those interested in the Academic Technical Assistance of the Institute of Geosciences of the University of São Paulo, at Rua do Lago, 562 - sala 306 - Butantã, São Paulo – SP, email: atacigc@usp.br.