

Opening for Faculty Position - Department of Basic and Environmental Sciences of the Lorena Engineering School of the University of São Paulo (EDITAL ATAc/EEL/USP – 20/2023)

The Dean of the Lorena Engineering School (EEL) of the University of São Paulo (USP) announces the opening call for the faculty position (full-time), specialty “Forest Restoration and Prevention of Natural Disasters”.

Briefly, the position requires a commitment to teaching and extension activities and the ability to conduct independent research. Interested applicants should hold a Ph.D. granted or recognized by USP. Applications will be accepted between July 7th, 2023, at 8 a.m. to September 4th 2023, at 4 p.m. (GMT-3). The entry-level monthly salary (MS-3.1 level) is R\$ 14.761,10 plus benefits. The public exam will be held in Portuguese language and covers the following program:

1 - Human Ecology: Relationship between humans and the environment; Social, cultural, economic, and environmental factors influencing ecological interactions; Evolution of the human species and its coevolutionary relationship with other organisms, exploring adaptations and mutual impacts; Demographic trends and their implications for the environment and society; Population growth, urbanization, and migration.

2 - Human-Systems Interaction: Complex interactions between human systems and socio-environmental and sociotechnical systems; Socioecological systems; Resilience.

3 - Management of Common Natural Resources: Strategies and policies for sustainable management of shared natural resources, with emphasis on forests and coastal areas.

4 -Forest Conservation and Restoration: Strategies and techniques for the conservation and restoration of forests, emphasizing the importance of biodiversity and ecosystem services. Agroforestry systems, classification, and ecological, socio-economic, and productivity functions.

5 - Delimitation and Settlement of Natural Areas: Evaluation of the processes of delimitation and occupation of natural areas, considering socio-environmental aspects and necessary conservation measures.

6 -Forest Management for Multiple Purposes (Exploration and Business): Analysis of forest management practices aimed at balancing economic exploitation with biodiversity conservation and ecosystem sustainability.

7 - Recovery of Natural Resources and Biodiversity: Study of strategies and actions for the restoration of degraded natural resources and biodiversity, including forest restoration, habitat restoration, and species reintroduction.

8 - Climate Conditions and Climate Change: Investigation of the impacts of current climate conditions and global climate change on society and ecosystems, addressing aspects such as adaptation and mitigation.

9 - Measures to Minimize Risks and Impacts of Natural Events: Exploration of prevention, preparedness, and response measures to minimize the risks and impacts of natural events such as hurricanes, earthquakes, and floods.

10 - Analysis and Management of Natural Disaster Risks: Methodologies and tools for the analysis and management of risks associated with natural disasters, aiming to reduce the impact on society and the environment.

11 - Analysis of Community Vulnerabilities: Assessment of vulnerabilities and capacities of communities regarding natural disasters, considering social, economic, and environmental factors, in order to promote resilience and protective actions.

12 - Humanitarian Operations: Exploration of strategies and practices for conducting humanitarian operations in response to natural disasters, including logistics, coordination, and assistance to affected communities.

13 - Resilience Engineering: Study of engineering approaches and techniques to promote resilience in infrastructure and social systems, aiming to minimize the impacts of natural disasters and ensure rapid recovery.

14 - Ecodevelopment and Sustainable Territorial Development: Analysis of the principles and practices of ecodevelopment and sustainable territorial development, considering the harmonious integration of human needs, the environment, and social equity.

The entire application process - from the inscription to the result - will be ruled by the Brazilian constitutional principles, notably that of impersonality, as well as by the Statute and General Regulations of the University of São Paulo (USP) and by the Regulations of the EEL-USP.

The public call is available in Portuguese language at <https://uspdigital.usp.br/gr/admissao>, where the applications must be submitted to by the deadline informed above. Additional information and regulations relevant about this opening call can be obtained from the e-mail: sacc@eel.usp.br.