



MINISTÉRIO DO MEIO AMBIENTE

INSTITUTO DE PESQUISAS JARDIM BOTÂNICO DO RIO DE JANEIRO

Rio de Janeiro, February 17th, 2020.

IAPT RESEARCH GRANTS PROGRAM

In the care of Dipl.-Ing. Eva Kráľovičová

Managing Secretary IAPT

Dear Sir,

In this opportunity, we present Carlos Daniel Miranda Ferreira, who is an excellent PhD student at the Postgraduate Program of Escola Nacional de Botânica Tropical, of Instituto de Pesquisas Jardim Botânico do Rio de Janeiro.

Mr. Ferreira has dedicated himself to systematic studies and biogeography of the Malvaceae family, particularly the subfamily Bombacoideae, genera *Aguiaria*, *Catostemma* and *Scleronema*, and working with excellence and on schedule. These studies involve morphological, taxonomic, phylogenetic, and geographic distribution analysis, recognizing evolutionary lineages, synapomorphies, diagnostic characters, and geographic distribution patterns, which can explain speciation, evolution of characters, endemism, and occurrence in specific habitats.

Mr. Ferreira has an exceptional academic performance in the laboratory and field activities, with knowledge of relevant methodologies, and promising results to achieve the goals and targets. He also presents professional maturity, demonstrating interest, responsibility, assiduity, ability in conducting the work, and sense of urbanity in the institution.

The development of this project has also enabled Mr. Ferreira to study the diversity of the group mainly in phytogeographic domains of the Amazon, due to several taxonomic and morphological knowledge gaps of the group. It will also allow reviewing herbaria collections from institutions located in the Amazon region, which have several undetermined specimens. Several results are expected, as genera reviews, description of new species, nomenclatural novelties, recognition of evolutionary lineages, and diversity centers and threatened species.

Mr. Ferreira demonstrates professional capacity to develop this scientific project, since he has already domain of morphology and taxonomy of the taxa. The IAPT Research Grant will be very important for him to fill knowledge gaps and obtain specimens needed to complete its research project.

Best Regards,

A handwritten signature in cursive script, reading "José Fernando A. Baumgratz".

Ph.D. José Fernando A. Baumgratz

Scientific Research Board

Instituto de Pesquisas Jardim Botânico do Rio de Janeiro, Brazil