

Position Announcement A-772017
Researcher in the area of soil sciences with emphasis on plant nutrition
C.I. Tibaitatá

The Colombian Corporation for Agricultural Research (CORPOICA, from its name in Spanish) is a joint public-private, decentralized, not-for-profit institution of scientific and technical nature. The Corporation's purpose is generating scientific knowledge and developing agricultural technologies through research, technology adaptation and transfer, and technical assistance for improving production competitiveness, equitable distribution of the benefits of technology, and sustainable use of natural resources; strengthening Colombia's scientific and technological capacities; and contributing to improving the population's quality of life.

Corpoica has 13 research centers located in the country's different agricultural regions. These centers carry out research in vegetables, fruits, permanent crops, transitory crops, roots and tubers, cacao, and livestock (cattle and minor species).

Another building block is research focused on generating new productive models for supporting sustainable development of the livestock sector; innovating current production systems to contribute to reducing greenhouse gas emissions; strengthening efficient use of nutrients and water; improving productivity without increasing currently cultivated area; adapting these systems to climate change and mitigating its effects; using varieties with novel agronomic attributes, especially resistance to biotic and abiotic factors; and making the most of the enormous potential of genomes of plants, animals and other organisms to improve food quality and innocuousness, thus minimizing negative effects on human health and the environment.

The plant nutrition area seeks to develop a basic and applied research program, including thematic areas related to promoting integrated management of soil fertility—involving chemical, organic and biologic amendments in different agroecosystems.

JOB DESCRIPTION

Development of research programs in integrated plant nutrition, mainly phosphorous and nitrogenous in normal or abiotic stress conditions.

Implementation of phosphorous and nitrogenous integrated fertilization to optimize the use and nutrient uptake by plants.

RESPONSABILITIES

- Provide support to interdisciplinary research groups in the field of crop nutrition with emphasis in phosphorus and nitrogen integrated fertilization and soil fertility, and actively participate in research programs within and outside Corpoica.
- Design, conduct, analyze and interpret laboratory, growth chambers, green houses, and in the field experiments, in the area of plant nutrition with the purpose of improving crop conditions, and increasing the productivity and efficient use of nutrients.
- Actively collaborate with the Corporation's breeding programs to incorporate the concept of physiology, looking for genetic materials that use nutrients more efficiently.
- Collaborate with Corpoica's researchers in discussing and executing research activities in his/her field of expertise.
- Serve as an internal peer in advising, reviewing and giving written concepts on projects, final reports and publications submitted for his/her consideration.
- Serve as mentor and supervise junior researchers and students participating in corporate dynamics.
- Establish effective liaison with national and international scientific communities, and with private sector agencies.
- Prepare reports and publications in national and international peer-reviewed journals in the field of research projects or activities in which he/she participates as executor or co-executor.
- Participate in events having to do with liaison or dissemination of research highlights among technical assistants and agencies in the field related to territorial innovation nuclei.

QUALIFICATIONS

- PhD in Soil Sciences, with emphasis on plant nutrition and microbiology of soil with 5 years of experience in research of biofertilizers.
- Expertise in using phosphate solubilizing bacteria as complement to the phosphorous fertilization of synthesis.
- Experience using legumes to fix atmospheric nitrogen, and in managing precision fertilization, developments that contribute to the reduction of costs and contamination.
- Fluency in English and sufficient knowledge of Spanish to enable the communication with staff in carrying out research activities.
- Ability to work in a team and provide guidance to different research teams.

- Proven ability in preparing research proposals.

TERMS OF OFFICE

This is a permanent position; salary is competitive for Colombian standards (monthly salary range: \$9.634.500 to \$13.738.800, depending on Corpoica's ranking system). The position will be based in Tibaitatá Research Center located at 14 km from Bogotá city.

APPLICATION PROCESS

Candidates interested in the position should apply online by Corpoica's website or by the following link <http://empleo.corpoica.org.co:8082/Inicio/Listar?clas=6>, please register your data and attach the following documents:

- Updated Curriculum Vitae including list of publications, working experience, a brief description of your most relevant research results, and professional references with contact information.
- Cover letter highlighting experience that qualifies you for the position
- Brief research proposal in the area described above (maximum two pages).
- Copy of your diploma.
- Other documents required for the application.