

Dear reader:

Geospatial sciences have evolved greatly over the past few years, with geographic information systems (GIS), remote sensors on satellite and unmanned platforms or drones, as well as global navigation satellite systems (GNSS) among their top representatives. For this reason, this special edition of La Granja honors and presents these sciences with our number "Geospatial Sciences", which brings some research framed in these technologies.

In this way, we start this issue with the field of Geographic Information Systems (GIS), in which PhD. Lia Duarte and other researchers from the University of Porto in Portugal, present alternatives for comparing four different plugins to generate web maps using the QGIS tool, thus seeking new opportunities for the presentation of geospatial data results.

In the field of Geospatial Sciences in Latin American, PhD. Mauricio Perea-Ardilla and other researchers from the Pacific Oceanographic and Hydrographic Research Center in Tumaco, in collaboration with the University of Tolima in Colombia, carry out interesting research using remote satellite sensors to generate spectral characterization, and remote sensing mangrove forest monitoring in Colombia's Pacific coast, establishing an alternative of territorial planning in a sensitive ecosystem as mangrove.

PhD. Juan Gabriel Mollocana and his team from the Universidad Politécnica Salesiana also conduct fire simulation in Quito, Ecuador, using satellite images in Ecuador, thus proposing different options in managing the forest fires that affect the Ecuadorian capital, and inviting other cities with similar characteristics to begin to use it and take advantage of this geospatial information.

Returning to the general topics of La Granja, we present an article on the ecohydrology of the Ecuadorian paramo, in which the interactions of climatic variables with the development of plant species are analyzed; this study carried out by researchers of University of Cuenca, is led by PhD. Amanda Suqui. Additionally, we present a research on highly effective agricultural science technologies in specific action groups in the localities of Puebla, Mexico; it is a study conducted by PhD. José Regalado López, from the College of Postgraduates in Mexico.

Another research from Mexico, in the field of forestry, conducted by PhD. Alberto Santillán-Fernández and his multidisciplinary team from the College of Postgraduates of Campeche, the Higher Technological Institute Veracruzano, and the Center for Scientific Research of Yucatan, present their study of the sexual and asexual propagation of *Brosimum alicastrum* Swartz.

PhD. Nelino Florida Rofner, from the National Agrarian University of the Forest of Peru, in the field of pollutant analysis, presents a review of the maximum limits of cadmium in Cacao crops. While in the field of biotechnology, PhD. Ángel Hernández-Amasifuén and his team from the National University José Faustino Sánchez Carrión of Peru, present a study of the *in vitro* introduction of rocoto calluses. Finally, from the University of Research and Development in Bucaramanga, Colombia, PhD. Martha Castro-Castro and her team of researchers present an analysis of the economic sustainability of agricultural production units in peasant communities.

As members of La Granja, we present this new issue and are confident that it will be a compilation of useful research for the development of science in regional and global scientific work.

Sincerely,

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