

EDITORIAL

Boletín Geológico number 46 (2020) has published three articles in the disciplines of economic geology, hydrocarbon genesis, and basin evolution in several zones of Colombia. The following passages have been taken from these articles and introduce their contents.

The Servicio Geológico Colombiano (SGC) has carried out a large geophysical exploration campaign to acquire data and make it available to the academic community and mining industry. The SGC overflowed the Andean and eastern parts of Colombia and obtained more than 700,000 km of high resolution airborne geophysical data (magnetometry and gamma spectrometry). Moyano et al. present an interpretation of isolated magnetic anomalies located in three different geologic environments in Colombia: the San Lucas range, the Andes Cordillera, and the Amazonian craton (Figure 1).

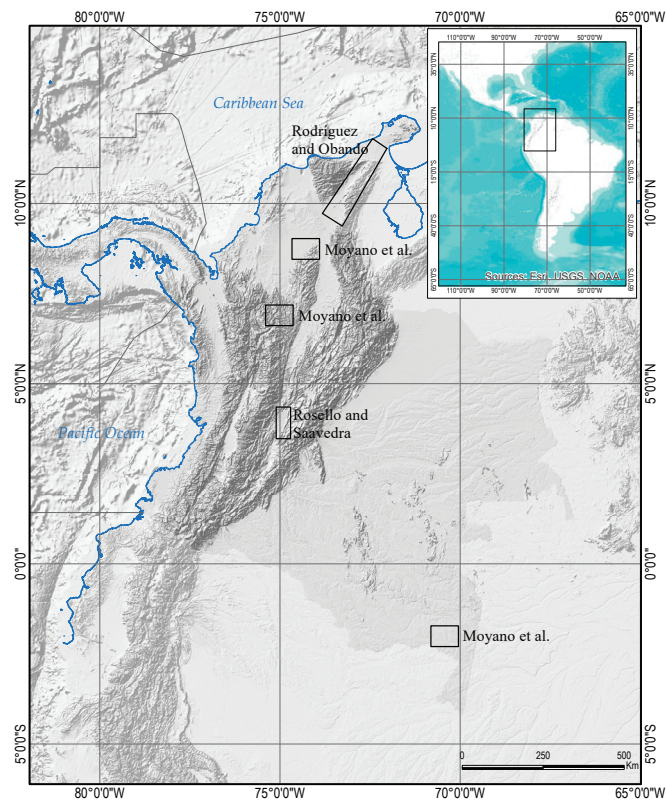


Figure 1. Location of the areas with geological contributions presented in this issue

Rossello and Saavedra present a discussion about the structural aspects that contribute to the creation of the genetic and morphological characteristics of the bedding surfaces underlying the petrophysical potential of the Matachines field located in the Girardot subbasin, within the Upper Magdalena Valley basin (VSM, *Valle Superior del Magdalena*), Colombia (Figure 1). The authors focus on sectors where the primary permeability and porosity values are usually too low to meet economic expectations for hydrocarbon exploration or production activities.

Rodríguez and Obando report new petrography, total rock chemistry and U-Pb zircon geochronology data for the La Quinta Formation, Serranía de Perijá, in the northern Andes of Colombia (Figure 1). This new information is correlated with other volcano-sedimentary sequences, specifies the distribution of arc volcanism and the analysis of inherited zircons in the volcanic rocks to improve the understanding of the basement distribution on which the arc is founded.

The editor acknowledges the efforts of the following reviewers whose comments and recommendations, on the eleven manuscripts submitted contributed to the improvement of the three articles that were ultimately approved: Ana Ibis Despaigne, Andrés Cárdenas, Ariel Cadena, Barbara Martiny, Camilo Bustamante, César Mora, Germán Bayona, Gustavo Córdoba, Hermann Bermúdez, Hugo Murcia, Jhon Jairo Sánchez, José Luis Arce, Juan Carlos Molano, Juan Diego Colegial, Luis Castillo, Luis Enrique Cruz, Mario Moreno, Mauricio Bermúdez, Umberto Cordani, Natalia Pardo, Oswaldo Ordóñez, Thomas Cramer, and Yamirka Rojas. We recognize that the final content of the articles does not necessarily reflect the thoughts of the reviewers and editors.

Mario Maya

Editor

Boletín Geológico

mmaya@sgc.gov.co

boletingeologico@sgc.gov.co