

Is the Ecuadorian all-black component suitable for the field

modelling, we recognize two types of slab components: one is indicative of aqueous fluids (e.g., high Ba/La, Pb/Ce, B/Nb), and the other is indicative of hydrous siliceous melts (e.g., high

There are many methods to obtain expressions for the electric and magnetic field components of structured light beams, which can be divided into three categories: vector potential method [12], [13], [14], angular spectrum representation (ASR) [15], [16], [17] and Rayleigh-Sommerfeld diffraction integrals [17], [18], [19]. Among which, the vector ASR (VASR) is a very ...

focusing on the implementation in practice, this ethnographic field study also examines Sumak Kawsay/Buen-Vivir as a conception of a lifestyle on local community level among indigenous peoples in two different regions of the country. More specifically, in the provinces of Imbabura in the northern Andean highlands and the Amazonian Pastaza.

A Framework to Incorporate Biological Soil Quality Indicators into Assessing the Sustainability of Territories in the Ecuadorian Amazon

In this study, we evaluated the genetic diversity of 139 black amaranth accessions collected twice (1981-1986 and 2014-2015) in three representative Ecuadorian Andean ...

The objective of this paper was to highlight the significance of the biological components in the soils in Amazonian Ecuador, and the importance of considering biological soil quality indexes...

In Amazonian Ecuador, land-use change from tropical rainforest to different productive purposes is leading to irreversible situations from an environmental perspective. The objective of this paper was to highlight the ...

The CBE GPP could also fulfill a long-term strategy of the Ecuadorian Government to offer more training and technical assistance to the miners. The constant presence of the CBE in the field might also encourage the miners to take an interest in the formalization process, whereby government agents could help them navigate the bureaucracy.

Land cover transformations throughout the Amazon basin have significantly intensified in recent decades due to increased human activity. Using a land change science approach, combining remotely sensed data, field observations, and multinomial regression analysis, this article evaluates deforestation and forest degradation between 2013 and 2019 in ...

Ecuadorian Amazon is not suitable for intensive agricultural activity, but for productive systems similar to

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the forest . The most common systems are described below.

We assessed the floristic composition in three AFSs (cassava, corn, and cocoa), the secondary forest (SF), and the forest remnants in the buffer zone of the Northern Ecuadorian ...

Beta diversity correlates with shifts in soil nutrients in the Northern Ecuadorian Amazon. Absence of fallows in shifting agriculture appears to homogenize tree composition ...

At present, one-dimensional gas chromatography-mass spectrometry (1 D-GC-MS) combines the separation analysis of GC with the qualitative and quantitative analyses of MS and plays important roles in the modern analysis of petrochemicals, environmental safety, and other fields the same way, 1 D-GC-MS is also the primary method for studying volatile compounds ...

Soil sampling was carried out in the Loja Basin (Ecuador). A first selection of the most suitable sites for sampling was carried out after a detailed field survey of the area. We have avoided shallow sampling sites that may be altered due to anthropic activities, vegetation or ...

Finally, we estimate the level of Ecuadorian educational inequality in 2006 and 2014, as well as the contribution of each component of the PEI and of each Ecuadorian province to this inequality. Although our results indicate an increase in the educational development of Ecuadorian provinces and a slight reduction in inequality, there are still ...

1. The contribution of the Ecuadorian migrants I met, from fieldwork to textwork Field relations between a researcher and his subjects, albeit an obvious and inherently qualifying marker of ethnography, have traditionally been a matter for secondary attention in academic textworks. Over the last decades, however, they have been

A structural study was carried out in the most tectonically active areas of the Ecuadorian Andes, including part of the Interandean Valley, the Cordillera Real and the Subandean Zone. ... with at times also a thrust component. The macroseismic field revealed by the distribution of the landslides triggered by the March 5, 1987 earthquakes ...

The diversification in tree composition is considered to favour suitable levels of soil fertility in agroforestry systems (AFSs). To test this idea, we investigated whether minimum tree species replacement (? - diversity) between AFSs with reduced fallow length in SA decreases nutrient loss in soils sustaining cocoa (*Theobroma cacao* ...

Our results shed light on which forest species are most suitable for the rehabilitation of sites disturbed by activities inherently associated with petroleum extraction in the ...

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The major ancestry in Ecuadorian males is European (61%), followed by an important Native American component (34%); whereas the African ancestry (5%) is mainly concentrated in the Northwest corner of the country. We conclude that classical procedures for measuring population stratification do not have the desirable sensitivity.

The challenge for Latin America and the Caribbean is to mitigate the effects of climate change, especially in the Amazon Region (Santos da Silva et al., 2021), as they represent the terrestrial lungs of the world and are vulnerable to anthropogenic land changes due to deforestation and changes in land use (Llopart et al., 2018; Marengo et al., 2018; Murad and ...

While the Ecuadorian margin and Andes is affected by ENE-WSW shortening, the easternmost Manabá Basin located in between the Cordillera Costanera and the Cordillera ...

The Sr-Nd isotopic compositions of the Ecuadorian volcanic products are also compared to those of the crustal rocks of the Northern Andes as well as the adjacent oceanic domains (Figure 5b). All Ecuadorian samples plot at the edge of the Columbian lower crustal xenolith field [Weber et al., 2002].

20th in Ecuadorian history) which has been regarded as the most progressive in the world. On April 2021, Guillermo Lasso was elected President, indicative of a more conservative regime for the next four years. CLIMATE AND GEOGRAPHY Ecuador is situated on the equator and has four distinct geographical and climatic zones: the coastal



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