Curr Res Integr Med,
ISSN:2529-797X | Volume 07

**Received date: 28-01-2022 | Accepted date: 31-01-2022 | Published date: 08-07-2022**

# Chemical constituents of some medicinal plants from the Peruvian biodiversity

**Olga R. Lock Sing**
Catholic University of Perú, Perú

Peru possesses 28 of the 32 existing climates in the world and 84 of the 103 life zones known on earth. It is considered one of the 12 megadiverse countries, with a varied flora calculates in approximately 25,000 species. Thus, around 10% of the world's flora grows in Peru and 30% of these plants are endemic. Approximately 5000 Peruvian plants are being used by the population for 49 purposes and applications (1400 species are described as medicinal). Up to date some of them are well known because they have scientific studies mainly phytochemical, and pharmacological and they are cultivated and commercialized in local and international markets, others are still used in base of the traditional medicine. I should say medicinal plants are part of the legacy of Peruvian traditional medicine, a heritage of pre-Columbian cultures. In the lecture we talk about the secondary metabolites present in some of the studied plants such as Cinchona officinalis, Uncaria tomentosa, Lepidium meyenii, Croton lechleri, Smallanthus sonchifolius, Pluckenetia volubilis, Gentianella nitida, Werneria ciliolata and others. In these plants we will find many types of secondary metabolites, as we know through the chemotaxonomy different family of plants contain different kind of them.

**Recent Publications:**

1. Lock, O., Flores, D. (2020) Peruvian Biodiversity: A mini review of five plants. Journal of Natural & Ayurvedic Medicine. Doi:10.23380/jonam-16000276.

2. Lock, O., Rojas, R. (2019) Phytochemistry and biological activities of Werneria and Xenophyllum species, Boletín Latinoamericano y del Caribe de Plantas Medicinales y Aromáticas, BLACPMA 18, 223- 238.

3. Lock O, Perez E, Villar M, Flores D, Rojas R. Bioactive Compounds from Plants Used in Peruvian Traditional Medicine. Nat Prod Commun. 2016 Mar;11(3):315-37. PMID: 27169179.

4. Cioffi, G., Montoro, P., Lock O., Vasallo, A., Severino, L., Pizza, C., Tommasi, N., (2011). Antioxidant bibenzil derivatives from Notholaena nívea Des. Molecules 16, 2527-2541. ISSN 1420-3049.

olock@pucp.edu.pe