

ANGELA TERESA RODRÍGUEZ CALDERÓN

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Education

Master of Science - Biology. National University of Colombia. 2015.

Biologist - National University of Colombia. 2005.

Professional profile

Biologist with knowledge in different aspects of botany and entomology with emphasis in interactions of plants with people and pollinators, experience in basic and applied research projects, production of informative tools and teaching plant biology.

Work experience

October 2018- Current. Botanical Garden of Bogotá José Celestino Mutis.

Coordinator of investigation team *Flora de Bogotá y Colecciones de Referencia* Leading the investigations about Bogotá D.C flora, biotic interactions and local knowledge and General Curator of JBB Herbarium.

February 2016 – August 2018. National University of Colombia. Teacher of Practical Biology of Plants.

November 2013- September 2018 Botanical Garden of Bogotá José Celestino Mutis.

Development and execution of the study of the plant diversity of Bogotá. Support in curating the JBB herbarium, obtaining and processing information for the informative publications about plants, fruits and seeds and bees; leading research on local knowledge about Bogotá plants and directing investigations in plant and another organism relationship.

March 2015 - February 2016; November 2012 - January 2013; February - October 2010. National University of Colombia. Natural Sciences Institute. Coauthor Work in Common Names of Plants of Colombia project. Revision of botanical nomenclature and phytonyms, cleansing and synthesis of the databases, obtaining and editing photographs, etymology research and participation in the improvement of the existing web page of the project.

July 2011- October 2013. National University of Colombia. Researcher of the project Evaluation of pollination services by bees in some promising fruit crops in Colombia.

February - October 2007. August - December 2005. Sentido Natural Corporation. Researcher "Dictionary of the Common Names of the Plants of Colombia" of the Natural Sciences Institute of the National University of Colombia. Carrying out the activities of compilation, tabulation and cleansing of ethnobotanical information, coordination of the development of a web application for the project, field work to obtain information from local knowledge and determination of specimens.

May 2011 - August 2011. National University of Colombia. Collection and identification of reference plant material, research, and edition of the Illustrated Guide of Pollen and Native Plants Visited by Bees.

November 2010 - March 2011. November - December 2008, May 2009. Senderos y Memoria Foundation. Support Service in the elaboration of the biological diagnosis of the historic roads in the José Celestino Mutis Route within the framework of the Ruta Mutis Cultural Tourism project.

November 2009. September 2009. May - September 2008. National University of Colombia. Processing and palynological analysis, collection and identification of reference botanical material within the framework of the "Differentiation by botanical origin of honeys and pollen from four species of bees in Colombia", "Management of pollination with bees in crops of Gulupa and Granadilla" and "Diagnosis of meliponiculture in Colombia" projects.

December 2008 - March 2009. Institute of Biological Resources Alexander von Humboldt. Search, systematization and consolidation of information related to the presence and distribution of wild relatives related to GMOs (Genetically Modified Organisms) in Colombia.

November - December 2007. Research Institute of Biological Resources Alexander von Humboldt. Researcher, characterization and evaluation of agrobiodiversity in traditional production units and the identification of its role in the maintenance of agricultural diversity associated with food security and health, in the middle basin of the Otún River.

February - October 2006. National University of Colombia. Catalog of Colombian plants of the Institute of Natural Sciences of the National University of Colombia, performing the tasks of compiling, reviewing the nomenclatural lists for specialists for the Catalog of Plants of Colombia that are registered in the country and support in the edition of the draft of the Catalog of the Colombian plants.

Languages

English: good

Awards

Co-author of the proposal "Dictionary of Common Names of the Plants of Colombia" of the Institute of Natural Sciences of the National University of Colombia, winner of the VI CAB Award "We Are Heritage" in the category Prize to an experience by a governmental institution. October, 2006.

Receiver of the Research Stimulus Thomas van der Hammen granted by the Botanical Garden José Celestino Mutis in the framework of the third cycle of calls for the program. October 2014.

Honorable Mention in the contest "Open Science" of the Scientific Department, Technology and Innovation COLCIENCIAS, for the initiative "Platform of common names of Bogota plants". November 2017.

Publications

Rodriguez-C.A., W-C Gómez, H.D. Triana. Las abejas del Jardín Botánico de Bogotá José Celestino Mutis. 2019. Jardín Botánico de Bogotá José Celestino Mutis. Colección Mora Osejo. Serie Relación Planta Organismo No. 1. Bogotá. 151 p.

Del Risco Torres, A., Y.A. Rivera, A.M. Montoya, V. García, S. Currea, D. Moreno, A. Rodriguez-C. 2019. Red de interacciones bióticas de Bogotá D.C. Disponible en <http://jbb.gov.co/redbiotica/>

Rodríguez-C. A., J.A. Muñoz Diaz, D. A. Moreno V., Y. M. Celis P. 2019. Describing and diffusing the ethnobotanical knowledge of Bogotá D.C. (Colombia) through an online tool focused on common names of plants. *Acta Botanica Brasilica* 33 (2):303 – 314.

Jardín Botánico de Bogotá José Celestino Mutis. 2017. Plataforma de nombres comunes de las plantas de Bogotá. <http://colecciones.jbb.gov.co/nombrescomunesbogota>.

Nates-Parra, G, A. Rodríguez-C., F. Chamorro, P. Montoya, N. Ramírez, D. Obregón. 2016. Capítulo 5. Iniciativa colombiana de polinizadores con énfasis en abejas: 77-92. En Nates-Parra Guiomar. (ed.). Iniciativa

- Colombiana de Polinizadores - Abejas - ICPA. Bogotá, D. C. Departamento de Biología, Universidad Nacional de Colombia. 364 pp.
- Rodríguez-C. A. 2016. Capítulo 11 abejas del maracuyá: género *Xylocopa* Latreille, 1802: 171-182. En Nates-Parra Guiomar. (ed.). Iniciativa Colombiana de Polinizadores - Abejas - ICPA. Bogotá, D. C. Departamento de Biología, Universidad Nacional de Colombia. 364 pp.
- Nates-Parra, G., R. Ospina, Á Rodríguez-C., F. Chamorro, M. Henao-Cárdenas, L. Calderón, M.S. Pinilla-Gallego. 2016. Capítulo 17 Polinización en cultivos promisorios: 237-250. En Nates-Parra Guiomar. (ed.). Iniciativa Colombiana de Polinizadores - Abejas - ICPA. Bogotá, D. C. Departamento de Biología, Universidad Nacional de Colombia. 364 pp.
- Ospina T., R., J. Jaramillo, Á. Rodríguez-C, M. Henao. 2016. Capítulo 18 Polinización de algunas pasifloras en Colombia: 251-260. En Nates-Parra Guiomar. (ed.). Iniciativa Colombiana de Polinizadores - Abejas - ICPA. Bogotá, D. C. Departamento de Biología, Universidad Nacional de Colombia. 364 pp.
- Caicedo J., Sáchica, M, Rodríguez-C. A, Parra-H, A. 2016. Polinizadores y planeación: Áreas ecológicamente funcionales en el Gran Chicó. 98-103 p. En: Mejía M. A. (ed.). Naturaleza Urbana. Instituto de Investigación de Recursos Biológicos Alexander von Humboldt. Bogotá D.C., Colombia. 208 pp.
- Rodríguez-C. A, Chamorro FJ, Calderón LV, Pinilla MS, Henao M, Ospina R, Nates-Parra G. 2015. Polinización por abejas en cultivos promisorios de Colombia: Agraz (*Vaccinium meridionale*), Chamba (*Campomanesia lineatifolia*) y Cholupa (*Passiflora maliformis*). Bogotá DC: Universidad Nacional de Colombia, Facultad de Ciencias, Departamento de Biología, Laboratorio de Investigaciones en Abejas-LABUN. 145 pp.
- Obregón, D., A. Rodríguez, F.J. Chamorro, & G. Nates-Parra. 2013. Botanical origin of pot honey from *Tetragonisca angustula* Latreille in Colombia. In: Vit, P., S.R.M. Pedro, & D.W. Roubik (Eds.), Pot-Honey: A Legacy of Stingless Bees: 337–346. Springer Verlag; Berlin, Germany; xxviii. 654 Pp.
- Bernal, R., G. Galeano, A. Rodríguez, H. Sarmiento y M. Gutiérrez. 2017. Nombres Comunes de las Plantas de Colombia. <http://www.biovirtual.unal.edu.co/nombrescomunes/es/>
- Giraldo, C., A. Rodríguez, F.J. Chamorro, D. Obregón, P. Montoya, N. Ramírez, V. Solarte, G. Nates-P. 2011. Guía Ilustrada de polen y plantas nativas visitadas por abejas -Cundinamarca, Boyacá, Santander, Sucre, Atlántico y Sierra Nevada de Santa Marta-. Universidad Nacional de Colombia, Facultad de Ciencias, Departamento de Biología, Laboratorio de Investigaciones en Abejas-LABUN. 230 pp.
- Nates-Parra, G. & A. Rodríguez. 2011. Forrajeo en colonias de *Melipona eburnea* (Hymenoptera: Apidae) en el piedemonte llanero (Meta, Colombia). Revista Colombiana de Entomología 37 (1): 121-127.
- Ministerio de Cultura. 2008. Camino Real Ruta Mutis, Guaduas – Honda. <http://www.mincultura.gov.co/?idcategoria=17266#>
- Nates-Parra, G., A. Rodríguez, & D. Vélez. 2006. Abejas sin aguijón (Hymenoptera: Apidae: Meliponini) en cementerios de la Cordillera Oriental de Colombia. Acta biológica colombiana. 11 (1): 25-36.
- Nates-Parra, G., A. Parra .H, A, Rodríguez, P. Baquero, D. Vélez. 2006. Abejas silvestres (Hymenoptera: Apoidea) en ecosistemas urbanos: Estudio en la ciudad de Bogotá y sus alrededores. Revista Colombiana de Entomología 32 (1): 77-84.