

## Camilo Andres Mahecha Mahecha

Research professor at the Research Center of the Juan N Corpas University Foundation.

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- **Degrees**

Ph.D. in Chemistry from the Universidad de los Andes in 2022, studying the synthesis and functionalization of (hetero)arenes through reactions catalyzed by palladium or reduction of sulfoxides, as an approach towards obtaining 2-alkylbenzofurans and other molecules of biological interest, under the supervision of Ph.D. Diego Gamba Sanchez

M.Sc. in biology with an emphasis on natural products from the Universidad Javeriana (Bogotá-Colombia) in 2010, studying the chemistry of the Colombian plant species *Siparuna sessiliflora* under the supervision of the Ph.D. in chemistry Elizabeth Gil Archila

B.Sc in Chemistry at the Universidad Francisco Jose de Caldas (Bogotá- Colombia) in 2006. Studying the chemistry of extracted Humic and Fulvic Acids, a leonardite coal from the Colombian Atlantic coast, under the supervision of M.Sc. Jesus Alvaro Jimenez Montoya.

- **Research Interests**

Extraction and purification of secondary metabolites.

Synthesis and hemisynthesis of Bioactive compounds.

Chemical analysis.

- **Biography**

Research professor, Fundación Universitaria Juan N Corpas, Research Center, Jan 2023-current.

Postdoctoral Researcher, Universidad de los Andes, Department of Chemistry, Supervisor: Pr. Diego Gamba, Jan 2022- Dic 2022.

Research Intern, University of Poitiers, IC2MP, Superacid group, Supervisor: Pr. Sébastien Thibaudeau – Pr. Frederic Lecornue, Jan 2019 – Jun 2019.

Ph.D. in organic chemistry Universidad de los Andes, Jan 2017- Dic 2021, Supervisor: Pr. Diego Gamba.

Professor and researcher. Universidad de Ciencias Ambientales y Aplicadas(UDCA), Chemistry program, Jan 2011-May 2016.

- **Awards and Recognitions**

Scholarship and Graduate Assistance for the doctoral program at Universidad de los Andes, Jan 2017- Dic 2021.

- **Selected Publications**

Mahecha-Mahecha, C., Borrego-Muñoz, P., Pombo, L. M., & Gamba-Sánchez, D. (2023). On the way to potential antifungal compounds: synthesis and in vitro activity of 2-benzofuranylacetic acid amides. *RSC Advances*, 13(36), 25296–25304. <https://doi.org/10.1039/d3ra04737g>.

Acosta-Guzmán, P., Mahecha-Mahecha, C., & Gamba-Sánchez, D. (2020). Electrophilic Chlorine from Chlorosulfonium Salts: A Highly Chemoselective Reduction of Sulfoxides. *Chemistry - A European Journal*, 26(45), 10348–10354. <https://doi.org/10.1002/chem.202001815>.

Mahecha-Mahecha, C., Lecornué, F., Akinari, S., Charote, T., Gamba-Sánchez, D., Ohwada, T., & Thibaudeau, S. (2020). Sequential Suzuki-Miyaura Coupling/Lewis Acid-Catalyzed Cyclization: An Entry to Functionalized Cycloalkane-Fused Naphthalenes. *Organic Letters*, 22(16), 6267–6271. <https://doi.org/10.1021/acs.orglett.0c02020>.

Garzón-Posse, F., Quevedo-Acosta, Y., Mahecha-Mahecha, C., & Acosta-Guzmán, P. (2019). Recent Progress in the Synthesis of Naturally Occurring Siderophores. In *European Journal of Organic Chemistry* Vol. 2019, Issue 48, pp. 7747–7769. Wiley-VCH Verlag. <https://doi.org/10.1002/ejoc.201901257>.