**CURRICULUM VITAE**

**ALEJANDRO ZULUAGA**

Assistant Professor

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**EDUCATION**

2010- 2015 Ph.D. Botany,

University of Wisconsin-Madison, Botany Department, Madison, WI

2001-2007 B.S. Cum Laude, Biology,

Universidad Nacional de Colombia, Department of Biology, Bogotá, Colombia

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**RESEARCH INTERESTS**

**Systematics and evolution.** Phylogenetics, systematics, biogeography, pollination ecology of tropical plants, particularly monocots and aroids. Floristics of the Amazon and Andean regions.

**RESEARCH GROUPS**

2001-2006 “Sistemática y evolución de gimnospermas y angiospermas neotropicales” Instituto de Ciencias Naturales, Universidad Nacional de Colombia.

2015-Presente “Ecología y diversidad vegetal” Universidad del Valle.

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**TEACHING EXPERIENCE**

2016-Present Assistant Professor. Courses “Botany I”, “Botany II”, “Plant Taxonomy”, “Plant Systematics”, “Phylogenomics”

2014-2015 Teaching Assistant, “General Botany”, “Intro Biology”. Zoology and Botany Departments, University of Wisconsin-Madison

2009 Lecturer, “Plant Systematics”. Natural Sciences Institute, Universidad Nacional de Colombia

**PROFESIONAL AND RESEARCH EXPERIENCE**

2015 Research Assistant, project “Bioinformatics associated with next generation DNA sequencing of tropical monocots”. Botany Department, University of Wisconsin-Madison.

2010 Visitor Researcher “Rapid Color Guides”. Environmental and Conservation Program. The Field Museum, Chicago, IL, USA

2008-2010 Editorial Assistant “Flora of Colombia”. Natural Sciences Institute, Universidad Nacional de Colombia.

2009 Editorial Assistant “Flora of Mutis”. Natural Sciences Institute, Universidad Nacional de Colombia.

2007-2008 Botanist, Assistant Curator, Project “Floristic Inventories in the Colombian Amazon”. Colombian Amazon Herbarium (COAH. Instituto Amazónico de Investigaciones Científicas-SINCHI, Bogotá, Colombia.

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**PUBLICATIONS**

Muñoz-Castillo, A., Guevara-Ibarra, L., Clavijo, L., & **Zuluaga, A**. (2019). Two new species of *Chlorospatha* section Orientales (Araceae) from western Andes in Colombia. PhytoKeys 135: 21-35.

Alzate-Lozano S, Trujillo-Trujillo E, & **Zuluaga, A**. (2019). *Rhodospatha rupicola* (Araceae), una nueva especie reófita de la Amazonia colombiana. Caldasia, 41(2).

**Zuluaga A,** Llano M, & Cameron K. 2019. Systematics, Biogeogr

aphy, and Morphological Character Evolution of the Hemiepiphytic Subfamily Monsteroideae (Araceae). Annals of the Missouri Botanical Garden, 104(1), 33-48.

Clavijo L, **Zuluaga A** & Clark JL. 2019*. Drymonia croatii* (Gesneriaceae), a new species from the Pacific slopes of the Colombian Andes. Brittonia. https://doi.org/10.1007/s12228-018-9559-8

Meerow AW, Silverstone-Sopkin PA, **Zuluaga-Tróchez A** & Sánchez-Taborda JA. 2019. A remarkable new species of *Pamianthe* (Amaryllidaceae) from the Department of Cauca, Colombia. PhytoKeys, (115), 73.

**Zuluaga A**, & Cameron K. 2018. Two new species of *Monstera* (Araceae) from Panamá and Costa Rica. Phytotaxa 334(1), 1-9.

Givnish TJ, **Zuluaga A**, Spalink D, Soto Gomez M, Lam VKY, Saarela JM, Sass C, Iles WJD, Lima deSousa DJ, Leebens-Mack J, Pires JC, Zomlefer WB, Gandolfo MA, Davis JI, Stevenson DW, dePamphilis C, Specht C, Graham SW, Barrett CF, Ané C. 2018. Monocot plastid phylogenomics, timeline, net rates of species diversification, the power of multi-gene analyses, and a functional model for the origin of monocots. American Journal of Botany 105: 1888-1910.

Givnish TJ, **Zuluaga A**, Lam VKY, Soto Gomez M, Iles WJD, Spalink D, Moeller JR, Lyon SP, Briggs BG, Zomlefer WB, Graham SW. 2016. Plastome phylogeny and historical biogeography of the monocot order Liliales: out of Australia and through Antarctica. Cladistics 32: 581-605.

Givnish TJ, Spalink D, Ames M, Lyon SP, Hunter SJ, **Zuluaga A**, Clements MA, Arroyo MTK, Endara L, Kriebel R, Williams NH, Cameron KM. 2016. Orchid historical biogeography, diversification, Antarctica, and the paradox of orchid dispersal. Journal of Biogeography 43: 1905-1916.

**Zuluaga A**, Medecilo M, Croat TB & Cameron K. 2015. Testing the monophyly of *Spathiphyllum* and the relationship between Asian and tropical American species. Aroideana 38E(1): 107-115.

Givnish TJ, Spalink D, Ames M, Lyon SP, Hunter SJ, **Zuluaga A**, Clements MA, Arroyo MTK, Leebens-Mack J, Endara L, Kriebel R, Neubig KM, Whitten WM, Williams NH, Cameron KM. 2015. Orchid phylogenomics and multiple drivers of extraordinary diversification. Proceedings of the Royal Society of London, Series B 282: 20151553.

Cárdenas D, Betancur J, Salinas NR, **Zuluaga A** & Clavijo L. 2010. De Jirijirimo a Caparú: una expresión de la diversidad vegetal en el río Apaporis. Acta Amazónica Nueva Época No. 2: 5‐56.

Betancur J, **Zuluaga A**, Clavijo L, Cordero Z & Salinas NR. 2007. Santa María pintada de flores. Serie Guías de Campo del Instituto de Ciencias Naturales Nº 1. Instituto de Ciencias Naturales, Universidad Nacional de Colombia.

**OTHER PUBLICATIONS**

**Zuluaga, A.,** E. Landolt & U. Schmidt-Mumm. Lemnaceae. 2016. En: Bernal, R., Gradstein, S.R. & Celis, M. (eds.). Catalogo de Plantas de Colombia..

**Zuluaga, A.** & T. Croat. *Dracontium, Monstera, Montrichardia, Urospatha*. 2016. En: Bernal, R., Gradstein, S.R. & Celis, M. (eds.). Catalogo de Plantas de Colombia..

**Zuluaga, A.** & J. Jacome, T. Croat. *Aglaonema, Chlorospatha, Philonotion, Xanthosoma, Zomicarpella*. 2016. En: Bernal, R., Gradstein, S.R. & Celis, M. (eds.). Catalogo de Plantas de Colombia.

Betancur, J., Salinas, N. & **Zuluaga, A**. *Zingiberaceae*. 2016. En: Bernal, R., Gradstein, S.R. & Celis, M. (eds.). Catalogo de Plantas de Colombia.

**Rapid Color Field Guides.**

Gesneriaceae of Cerro el Inglés and Galápagos Natural Reserves <http://fieldguides.fieldmuseum.org/guides/guide/606>

*Aechmea* in Colombia

<http://fieldguides.fieldmuseum.org/guides/guide/319>

Costaceae in Colombia

<http://fieldguides.fieldmuseum.org/guides/guide/316>

Araceae from Santa Maria, Boyaca, Colombia

<http://fieldguides.fieldmuseum.org/guides/guide/281>

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**CONFERENCES**

2018 Monocot conference. 7-12 Oct Natal, Brazil. Oral Presentation. A new subfamily level phylogeny of Araceae using nuclear data from Anchored Phylogenomics, authored byA Zuluaga; D Díaz Escandón; A Lemmon; EC Lemmon; K Cameron

2017 Primer simposio colombiano en sistemática y evolución de plantas. Oral Presentation. 23-24 de Mar, Medellín Colombia. “Aplicaciones de la filogenómica en la sistemática de Monocotiledóneas”

2017 IX Congreso Colombiano de botánica. Presentación Oral. Ago, Tunja, Colombia. “Re-evaluación de la clasificación y evolución morfológica de la familia Araceae usando filogenómica” A Zuluaga & K Cameron.

2017 XII International Aroid Conference. Presentación Oral. 6-10 Jul, Cali, Colombia. “A new aroid phylogeny using target sequencing”. By A Zuluaga; A Lemmon; EC Lemmon; K Cameron

2015 Botany Conference, Edmonton, Alberta, Canada. Oral presentation. Exploring diversification rates in Alismatales and Araceae. Zuluaga, A., K.Cameron.

2014 Evolution Conference, Raleigh, North Carolina. Oral presentation. Exploring diversification rates in the monocot family Araceae at different taxonomical scales. Zuluaga, A., K.Cameron & T. Croat.

2013 XIth International Aroid Conference, Hanoi, Vietnam. Oral presentation. Advances in the systematics of Monstera and its relationships within Monsteroideae. Zuluaga, A., K.Cameron & T. Croat.