

CURRICULUM VITÆ: Rocío Deanna

Botanical Museum of Córdoba (Herbarium CORD), National University of Córdoba (UNC)
Multidisciplinary Institute of Plant Biology (IMBIV, CONICET-UNC, Argentina)
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EDUCATION

Ph.D, BIOLOGICAL SCIENCES. Department of Exact, Physics and Natural Sciences, National University of Cordoba, Argentina. From October 2012 to April 2016. Thesis: Molecular phylogeny and cytogenetics of *Deprea* (Solanaceae).

B. Sc. in BIOLOGICAL SCIENCES. Department of Exact, Physics and Natural Sciences, National University of Cordoba, Argentina. From April 2007 to June 2011. GPA: 8.93/10.

RESEARCH INTERESTS

phylogenetics, divergence times, taxonomy, macroevolution, evolutionary development, conservation, systematics, comparative methods, cytogenetics, fruit trait evolution, floristics, physaloids, Solanaceae, botanical nomenclature, paleobotany

CURRENT APPOINTMENTS

Postdoctoral Researcher National Science Foundation (NSF). University of Colorado at Boulder. Boulder, United States of America.

Instructor in Botany for Pharmaceutical studies. Department of Pharmaceutical Sciences, National University of Cordoba. Córdoba, Argentina.

Associate Curator. Museo Botánico Córdoba, Instituto Multidisciplinario de Biología Vegetal (IMBIV, CONICET-UNC). Córdoba, Argentina.

CONICET Assistant Researcher (PI). Instituto Multidisciplinario de Biología Vegetal (IMBIV). Córdoba, Argentina.

RESEARCH

PUBLICATIONS

PEER-REVIEWED ARTICLES (*equally authored papers, †undergraduate students)

37. Orejuela A., Smith S.D., Villanueva B., Deanna R. 2023. **A new species of *Iochroma* Benth. (Solanaceae) from the eastern Andes of Colombia.** PhytoKeys, accepted.
36. Deanna R., Martínez C., Manchester S., Wilf P.D., Campos A.†, Knapp S., Chiarini F.E., Barboza G.E., Bernardello G., Sauquet H., Dean E., Orejuela A., Smith S.D. 2023. **Fossil berries reveal global radiation of the nightshade family by the early Cenozoic.** *New Phytologist* 238(6): 2685-2697.
35. Hoyos D., Deanna R., Sanín D., Trujillo Trujillo E., Orejuela A. 2022. **A synopsis of Solanaceae from Caquetá (Colombia).** *Kew Bulletin* 77(4): 923-939.
34. Chiarini F.E., Deanna R., Bohs L. 2022. **Phylogeny, character evolution and biogeography of the genus *Sclerophylax* (Solanaceae).** *Taxon* 71(6): 1251-1267.
33. Poczei P., D'Agostino D., Deanna R., Portis E. 2022. **Editorial: Solanaceae VII: Biology, Genetics, and Evolution.** *Frontiers in Genetics* 13: 932421.
32. Wheeler* L.C., Walker* J.F., Ng J., Deanna R., Dunbar-Wallis A., Backes A., Pezzi P.H.,

- Palchetti M.V., Monaghan A., Brandão de Freitas L., Barboza G.E., Moyroud E., Smith S.D. 2022. **Transcription factors evolve faster than their structural gene targets in the flavonoid pigment pathway.** *Molecular Biology and Evolution* 39 (3): msac044.
31. Deanna R., Acosta M.C., Scaldaferrero M., Chiarini* F.E. 2022. **Chromosome evolution in the family Solanaceae.** *Frontiers in Plant Science* 12: 787590.
30. Deanna R., Garramon Merkle B., Chun K., Navarro-Rosenblatt D., Baxter I., Oleas N., Bortolus A., Geesink P., Diele-Viegas L., Aschero V., de Leone M., Oliferuk S., Zuo R., Cosacov A., Grossi M., Knapp S., López-Mendez A., Welchen E., Ribone P.A., Auge G. 2022. **Community voices: the importance of diverse networks in academic mentoring.** *Nature Communications* 13: 1681.
29. Sinnott-Armstrong M., Deanna R., Pretz C., Harris J., Dunbar-Wallis A., Liu S., Smith S.D., Wheeler L.C. 2022. **How to approach the study of syndromes in macroevolution and ecology.** *EcoEvoRxiv* preprint, <https://ecoevorxiv.org/bt2km/>; *Ecology and Evolution* 12 (3): e8583.
28. Campos R.P., Deanna R., Gereau R.E., Moura T.M. 2021. **Taxonomic notes on Iochrominae (Solanaceae: Physalideae) from Brazil.** *Brittonia* 74: 53-64.
27. Deanna R., Baxter I., Chun K., Garramon Merkle B., Zuo R., Diele-Viegas L., Geesink P., Aschero V., Navarro-Rosenblatt D., Bortolus A., Ribone P.A., Welchen E., de Leone M., Oliferuk S., Oleas N., Grossi M., Cosacov A., Knapp S., López-Mendez A., Auge G. 2020. **It takes a village - overcoming gender-biased mentorship in academia.** OSF preprint, <https://osf.io/25h7p/>.
26. Auge G.A., de Leone M.J., Deanna R., Oliferuk S., Ribone P.A., Welchen E. 2020. **Building a pathway for diversity in plant sciences in Argentina: highlighting the work of women scientists through virtual activities.** *Proceedings of the 1st International Electronic Conference on Plant Science*; bioRxiv, <https://doi.org/10.1101/2020.11.27.401661>.
25. Deanna R., Pretz C. 2020. **The flourishing of virtual Seminars: strengthening the globalization of research through SOL Seminars Online.** *Taxon* 69 (6): 1410-1412.
24. Morero R.E., Las Peñas M.L., Meza Torres E., Deanna R. 2020. **IAPT chromosome data 33/9.** *Taxon* 69 (6): 1394-1405.
23. Rodríguez† J., Deanna R., Chiarini F. 2020. **Karyotypic asymmetry shapes diversity within the physaloids (Physalidinae, Physalideae, Solanaceae).** *Systematics and Biodiversity* 19 (2): 168-185.
22. Deanna R., Wilf P.D., Gandolfo, M.A. 2020. **New physaloid fruit-fossil species from early Eocene South America.** *American Journal of Botany* 107 (12): 1749-1762.
21. Pretz C., Deanna R., Eserman L., Simões A.R. 2020. **An era of virtual seminars: from creating one to a list of ones to join.** *Plant Science Bulletin* 66 (2): 111-121.
20. Cueva Manchego M., Grich† A., Deanna R. 2020. **Updated distribution and conservation assessment of *Darcyanthus spruceanus*, *Deprea cardenasiana* and *Deprea ecuatoriana* (Solanaceae): new reports for Peru and Brazil.** *Phytotaxa* 440 (4): 281-291.
19. Deanna R., Barboza G.E. 2020. **(2733) Proposal to change the conserved type of *Withania*, nom cons. (Solanaceae).** *Taxon* 69 (1): 203-204.
18. Pretz* C., Deanna R. 2020. **Typifications and nomenclatural notes in *Physalis* (Solanaceae) from North America.** *Taxon* 69 (1): 170-192.
17. Deanna R., Barboza G.E., Smith S.D. 2019. **Repeated evolution of a morphological novelty: a phylogenetic analysis of the inflated calyx in the Physalideae tribe (Solanaceae).** *American Journal of Botany* 106 (2): 270-279.
16. Morero R.E., Deanna R., Barboza G.E., Barrington D.S. 2019. **Historical biogeography of the fern genus *Polystichum* (Dryopteridaceae) in Austral South America.** *Molecular Phylogenetics and Evolution* 137: 168-189.

15. Fernandez Göbel T.F., Deanna R., Muñoz N., Asurmendi S., Robert G., Lascano R. 2019. **Systemic redox signalling and induced tolerance responses during soybean-*Bradyrhizobium japonicum* interaction: involvement of nod factor receptor and autoregulation of nodulation.** *Frontiers in Plant Science* 10: 141.
14. Deanna R., Smith S. D., Särkinen T., Chiarini F. 2018. **Patterns of chromosomal evolution in the florally diverse Andean clade *Ichrominae* (Solanaceae).** *Perspectives in Plant Ecology, Evolution and Systematics* 35: 31-43.
13. Deanna R., Orejuela A.O., Barboza G.E. 2018. **An updated phylogeny of *Deprea* (Solanaceae) with a new species from Colombia: interspecific relationships, conservation assessment and a key for Colombian species.** *Systematics and Biodiversity* 16 (7): 680-691.
12. Deanna R., Barboza G.E., Carrizo Garcia C. 2017 [2018]. **Phylogenetic relationships of *Deprea*: new insights into the evolutionary history of physaloid groups.** *Molecular Phylogenetics and Evolution* 119C: 71-80.
11. Barboza G.E., Deanna R., González P. 2016. **(2488) Proposal to conserve the name *Salpichroa* against *Nectouxia* (Solanaceae).** *Taxon* 65 (6): 1433-1434.
10. González P., Suni M., Deanna R., Scaldaferrero M.A., Castañeda E., Ramírez W., Valencia N., Cano A. 2016. **Biología reproductiva y citogenética de *Distichia muscoides* (Juncaceae).** *Boletín de la Sociedad Argentina de Botánica* 51 (1): 123-133.
9. Deanna R., Leiva González S., Barboza G.E. 2016. **A key and three new species for the re-circumscribed genus *Deprea* (Solanaceae).** *Systematic Botany* 41 (4): 1028-1041.
8. Cantero J.J., Barboza G.E., Chiarini F.E., Deanna R., Giorgis M., Núñez C.O., Bernardello G. 2016. **Novedades para la Flora de la Argentina.** *Boletín de la Sociedad Argentina de Botánica* 51 (1): 183-207.
7. Leiva González S., Deanna R., Barboza G.E. 2016. **Diversidad infraespecífica de *Deprea sawyeriana* (Solanaceae) y una nueva cita para Ecuador.** *Arnaldoa* 23 (2): 425-432.
6. Leiva González S., Barboza G.E., Deanna R. 2015. ***Deprea auccana* y *Deprea physalidicalyx* (Solanaceae), dos nuevas especies del nordeste de Perú.** *Arnaldoa* 22 (1): 9-24.
5. Deanna R., Leiva González S., Barboza G.E. 2015. **Changes in the circumscription of *Deprea* (Physalideae, Solanaceae): thirty-two new combinations.** *Phytokeys* 46: 73-87.
4. Deanna R., Barboza G.E., Scaldaferrero M. 2014. **First karyological report in *Larnax* and *Deprea* (Solanaceae).** *Australian Journal of Botany* 62 (3): 251-261.
3. Deanna R., Leiva González S., Barboza G.E. 2014. **Four new species and eighteen lectotypifications of *Larnax* from Ecuador and Peru and a new synonym of *Deprea orinocensis* (Solanaceae: Solanoideae, Physalideae).** *Phytotaxa* 167 (1): 1-34.
2. Leiva González S., Barboza G.E., Deanna R., Cueva M. 2013. **The genus *Larnax* (Solanaceae) in Bolivia.** *Arnaldoa* 20 (2): 291-300.
1. Leiva González S., Deanna R., Jara Gavilán J. 2013. **Three new species of *Ichroma* Bentham (Solanaceae) from Northern Peru.** *Arnaldoa* 20 (1): 25-44.

BOOKS & BOOK CHAPTERS

4. Deanna R. **Fam. Ericaceae.** In: Bernardello G. et al. (Eds.) *Flora de Córdoba*.
3. Luján M.C., Deanna R. **Fam. Papaveraceae.** In: Bernardello G. et al. (Eds.) *Flora de Córdoba*.
2. Deanna R. **Fam. Asphodelaceae.** In: Bernardello G. et al. (Eds.) *Flora de Córdoba*.
1. Cantero J.J., Barboza G.E., Núñez C., Volkmann L., Chiarini F., Bernardello G., Cabido M., Ariza Espinar L., Mulko J., Morero R., Giorgis M.A., Demaio P., Amuchastegui A., Brandolín P., Deanna R., Leiva González S., Sfragulla J.A., Bonalumi A.A., Re G. 2017. **Plantas**

Rupícolas de Argentina Central. Fondo Editorial UPAO. Museo de Historia Natural y Cultural de la Universidad Privada Antenor Orrego, Trujillo, Perú. 496 pp. ISBN 978-612-4257-64-3.

GRANTS & FUNDING

- 2023-2025 **Team Finland Knowledge programme**, 27/220/2023. Museums, morphology, and molecules: new ways of evolution education. PI: Poczai, P. Personnel: **R. Deanna**.
- 2023-2024 **IAPT Biodiversity Challenge grant**. Filling major gaps in Solanaceae to understand evolution of key morphological innovations. PI: Deanna, R. Co-PIs: Urdampilleta, J. and Martínez, M.
- 2022-2023 **SYNTHESYS grant, BE-TAF-8165** to visit the Meise Botanic Garden. Filling the morphological gaps for a calibrated tree of the nightshades (Solanaceae). PI: **R. Deanna**.
- 2019-2023 **National Science Foundation (NSF) grant**, #1902797. SG: Fossils, fruits, and seeds: an integrative approach to estimating a timetree for the nightshades. PI: S. D. Smith. Postdoctoral researcher 2020-2021; co-PI 2022-2023: **R. Deanna**
- 2018-2022 **SECYT (UNC) grant**, Res. 411/2018. Evolution, physiology and diversity of Solanaceae and cytogenetics of cheilanthoid ferns (Pteridaceae, Cheilanthoideae). PI: G. E. Barboza. Collaborator: **R. Deanna**.
- 2018-2022 **FONCYT grant**, PICT JI CONICET 2017-2370, Res. 310/18. Phylogenetics, cytogenetics and evolution of the tribe Physalideae (Solanaceae). PI: **R. Deanna**.
- 2018-2021 **CONICET grant**, PIP 00147. South American Solanaceae: advances in systematics, phylogenetics, eco-physiology and phytochemistry. PI: G. E. Barboza. Personnel: **R. Deanna**.
- 2018-2019 **Mini-ARTS Award**, <https://www.systbio.org/mini-arts-awards>. Taxonomic studies in Chinese lanterns: disentangling the biodiversity of Asian physaloids. PI: **R. Deanna**.
- 2017-2020 **CONICET Postdoctoral grant**. Molecular phylogeny and evolutionary trends of the fruiting calyx in the Physalideae tribe (Solanaceae). Advisor: S. D. Smith. Co-advisor: G. E. Barboza. Instituto Multidisciplinario de Biología Vegetal (IMBIV).
- 2017-2018 **IDEA WILD**, to obtain equipment for field work. Molecular phylogeny and evolutionary trends of the fruiting calyx in the Physalideae tribe (Solanaceae). PI: **R. Deanna**.
- 2017 **Fulbright - Ministerio de Educación y Deportes grant**, postdoctoral internship during three months at S. Smith Lab, EBIO Dept., University of Colorado at Boulder.
- 2016-2021 **National Science Foundation (NSF) grant**, #1553114. CAREER: Testing the predictability of flower color evolution at a phylogenetic scale in the Petunieae clade (Solanaceae). PI: S. D. Smith. Personnel: **R. Deanna**
- 2016-2018 **MINCyT grant**, Res. 055/2016. Local and regional diversity of isolated environments: flora and vegetation on rock outcrops of Cordoba province and its application on restoration of mining operations. PI: M. Cabido. Collaborator: **R. Deanna**.
- 2016-2017 **SECYT (UNC) grant**, Res. 366/2016. Multidisciplinary studies in vascular plants, especially concerning to the systematics of Solanaceae and cytogenetics of Pteridaceae. PI: G. E. Barboza. Personnel: **R. Deanna**.

- 2015-2017 **CONICET doctoral grant**, to conclude the Doctorate in Biological Sciences. Phylogenetic systematics of the genera *Larnax* and *Deprea* (Solanaceae). Advisor: G. E. Barboza. Instituto Multidisciplinario de Biología Vegetal (IMBIV).
- 2015-2016 **IAPT Research Grant in Plant Systematics**, to revise herbaria in Colombia. Taxonomic and phylogenetic studies in *Deprea* (Solanaceae). PI: **R. Deanna**.
- 2014-2015 **SECYT (UNC) grant**, Res. 203/2014. Advances in Solanoideae (Solanaceae) and *Polystichum* (Fam. Dryopteridaceae) systematics: molecular phylogeny, taxonomy, and cytogenetics. PI: G. E. Barboza. Research assistant: **R. Deanna**.
- 2013-2015 **CONICET grant**, PIP 00552, Res. 4316/2013. Molecular phylogeny and cytogenetics of Andean genera of Nightshades. PI: G. E. Barboza. Co-PI: C. Carrizo García. Research assistant: **R. Deanna**.
- 2012-2015 **FONCyT grant of initial level**, to study a Doctorate in Biological Sciences at Facultad de Ciencias Exactas, Físicas y Naturales (UNC). Molecular phylogeny and cytogenetics of the neotropical genus *Larnax* (Solanaceae). Advisor: C. Carrizo García. Co-advisor: M. A. Scaldaferrro. Instituto Multidisciplinario de Biología Vegetal (IMBIV).
- 2012-2015 **FONCYT grant**, BID 2437 PICT 2775/11. Molecular systematics, cytogenetics, and reproductive studies in American Nightshades. PI: G. E. Barboza. Research assistant: **R. Deanna**.
- 2012-2013 **SECYT (UNC) grant**, Res. 162/2012. Multidisciplinary studies in selected groups of South American plants: biodiversity, morphology, and systematics. PI: G. E. Barboza. Research assistant: **R. Deanna**.

HONORS AND AWARDS

- 2021 **Botanical Advocacy and Service Grant**. Botanical Society of America and The American Society of Plant Taxonomists. United States of America.
- 2019 **Parodi award 2017-2018**, Sociedad Argentina de Botánica. Tucumán, Argentina.
- 2018 **Pan-American Scholar award**, Asociación Latinoamericana de Botánica – Botanical Society of America. Quito, Ecuador.
- 2016 **Dr. Saile Echegaray award**, Sociedad Argentina de Botánica. San Juan, Argentina.
- 2012 **University award**, Promotion 2011, Diploma with Special mention, Universidad Nacional de Córdoba. Res. 1550/2012. GPA: 8.93/10. Córdoba, Argentina.
- 2011 **Award in recognition of academic achievement**, Colegio de Biólogos de la Provincia de Córdoba – Facultad de Ciencias Exactas, Físicas y Naturales (UNC). Córdoba, Argentina.

INVITED SEMINARS [14 total]

- 2023 **Resolviendo una maraña taxonómica con múltiples evidencias: el caso Iochrominae**. Instituto de Botánica del Nordeste Seminars (IBONE), Corrientes, Argentina. Online.
- Divergence times in Solanaceae: how fossil lanterns illuminate the nightshade story**. Breaking Isolation lecture series of the Willi Hennig Society. Online.
- 2021 **SOL Seminars Online and ARG Plant Women: two initiatives to increase diversity in Plant Sciences**. II Virtual Meeting of Systematics, Biogeography, and Evolution: The Research of Biodiversity and the Diversity of

- Researchers. Online.
- Divergence times in Solanaceae: digging into seeds and lanterns to illuminate the nightshade story.** Department of Biology and ENVIS Program, Rhodes University, United States. Online.
- Tiempos de divergencia en angiospermas: farolitos fósiles iluminan la historia evolutiva de las Solanaceae** Instituto de Botánica del Nordeste Seminars (IBONE), Corrientes, Argentina. Online.
- 2020 **Tiempos de divergencia en angiospermas: farolitos fósiles iluminan la historia evolutiva de las Solanaceae.** Instituto de Botánica, Universidad de Guadalajara. Online.
- Divergence times in Solanaceae: how fossil lanterns illuminate the nightshade story.** NMNH Botany Webinar Series, Smithsonian National Museum of Natural History. Online.
- Phylogenetic relationships and evolution of the physaloids.** Physaloid Seminar Series. <https://physaloidseminars.weebly.com> (*co-organizer*). Online.
- Evolución de la tribu Physalideae (Solanaceae) + Difusión de ciencia en la Academia.** ARGplantWomen network. <https://argplantwomen.weebly.com> (*co-organizer*). Online.
- Phylogenetics and evolution of physaloids in Solanaceae.** Convolvulaceae Seminar Series. Online.
- Phylogenetic relationships and evolution of the Physalideae tribe (Solanaceae).** Darwinion Seminar. Buenos Aires, Argentina.
- 2017 **Phylogenetic relationships and evolution of the Physaloids (Solanaceae).** Brown Bag – Fall 2017. EBIO Department, University of Colorado at Boulder. Boulder, United States.
- 2014 **Molecular phylogeny and cytogenetics of the neotropical genera *Larnax* (Solanaceae).** Segundas Jornadas de Integración del Instituto Multidisciplinario de Biología Vegetal (MBIV), Córdoba, Argentina.
- 2011 **Early systemic changes in the soybean (*Glycine max* L.)-*Bradyrhizobium japonicum* interaction.** X Encuentro Nacional de Estudiantes de Biología y Ciencias Ambientales (ENEB). La Falda, Argentina.

WORKSHOPS & SYMPOSIA [10 total]

- 2023 Deanna R., Gonzalez-Ramirez I. **Paleobotany and divergence time estimation using RevBayes.** SSB Standalone Meeting, workshop. Mexico City, Mexico. *Speaker and co-organizer.*
- Deanna R., Chiarini, F.E **Taller de Identificación de Solanaceae & Convolvulaceae.** Museo Botánico Córdoba (CORD). Córdoba, Argentina. *Speaker and co-organizer.*
- Tezanos P., López-Mendez A., Deanna R., Nicola M., Mahler B. **Taller Empoderando mujeres en ciencia de Argentina**, workshop. Buenos Aires, Argentina. *Speaker and co-organizer.*
- 2022 Deanna R., Gonzalez-Ramirez I. **Paleobotany and divergence time estimation using RevBayes.** Evolution 2022, workshop. Cleveland, United States. *Speaker and co-organizer.*
- 2021 Deanna R. **The age of Solanaceae: integrating fossil evidence and extant species to estimate divergence times.** III Symposium of Evolutionary Morphology at XXXVIII Jornadas Argentinas de Botánica (organized by R. Pozner). Online. *Invited speaker.*

- Pretz C., Deanna R., Eserman L., Simoes A.R., Hilgenhof R. **Creating A Platform for Connecting Research Across Plant Families**. Botany 2021, workshop. Online. *Speaker and co-organizer*.
- 2019 Deanna R., Barboza G.E., Smith S.D. **Repeated evolution of a morphological novelty: convergence of the inflated fruiting calyx in the Physalideae tribe (Solanaceae)**. II Symposium of Evolutionary Morphology at XXXVII Jornadas Argentinas de Botánica (organized by R. Pozner). Tucumán, Argentina. *Invited speaker*.
- Deanna R., Barboza G.E., Smith S.D. **Phylogenetic relationships, taxonomy and evolutionary patterns of the fruiting calyx in the Physalideae tribe (Solanaceae)**. II Latin American Symposium of Solanaceae. Florencia, Colombia. *Speaker and co-organizer*.
- Martínez C., Deanna R. **New fossil record of Solanaceae from the Late Eocene of Colombia**. II Latin American Symposium of Solanaceae (contributed talk). Florencia, Colombia. *Co-organizer*.
- Barboza, G.E., Chiarini, F.E., Deanna R. **Taller de Identificación de Solanaceae & Convolvulaceae**. Sociedad Argentina de Botánica & Museo Botánico Córdoba (CORD). Córdoba, Argentina. *Speaker and co-organizer*.

CONFERENCE PRESENTATIONS [55 total] (†students)

- 2023 Deanna R. **Solanaceae: un laberinto evolutivo de fósiles y moléculas**. XXXIX Jornadas Argentinas de Botánica (*invited plenary speaker*). Catamarca, Argentina.
- Deanna R., Ponce J., Chiarini F.E., Wiemer A.P., Hick P., Gritti M., Cocucci A. **Presente y futuro del herbario del Museo Botánico de Córdoba (CORD)**. XXXIX Jornadas Argentinas de Botánica (contributed talk). Catamarca, Argentina.
- Ogas C.†, Callegari C.†, Deanna R. **Cambios en el paradigma taxonómico de *Chamaesaracha* (Solanaceae): nueva hipótesis filogenética**. XXXIX Jornadas Argentinas de Botánica (poster). Catamarca, Argentina.
- Hoyos D.†, Deanna R. **Revisión nomenclatural del género neotropical *Browallia* L. (Solanaceae) y sus colecciones tipo**. XXXIX Jornadas Argentinas de Botánica (poster). Catamarca, Argentina.
- Deanna R. **Evolución y Sistemática en Solanaceae: la importancia de integrar evidencias en un contexto Andino-Amazónico**. VII Semana De Investigación, IX Congreso Nacional, VI Congreso Internacional de Investigadores de la Amazonia y VIII Encuentro Regional De Semilleros de Investigación (*invited plenary speaker*). Mocoa, Colombia.
- 2022 Deanna R., Martínez C., Manchester S., Campos A., Knapp S., Wilf P., Chiarini F.E., Barboza G.E., Bernardello G., Sauquet H., Dean E., Orejuela A., Smith S.D. **Fossil nightshade berries reveal the global radiation of an Andean-centered family in the Eocene**. Evolution 2022 (contributed talk). Cleveland, United States.
- Wheeler L.C., Walker J.F., Ng J., Deanna R., Dunbar-Wallis A., Backes A., Pezzi P.H., Palchetti M.V., Monaghan A., Brandão de Freitas L., Barboza G.E., Moyroud E., Smith S.D. **Transcription factors evolve faster than their structural gene targets in the flavonoid pigment pathway**. Evolution 2022 (contributed talk). Cleveland, United States.
- Andrade-Ortiz T.I., Zamora-Tavares M.P., Rodríguez A., Deanna R., Pérez-Alquicira J., Vargas-Ponce O. **Historia evolutiva de *Chamaesaracha*, *Physalis* y *Quincula* (Physalidinae, Solanaceae) a partir del genoma de cloroplasto**. XXII

- Congreso Mexicano de Botánica (poster). Puebla, Mexico.
- Hoyos D., Deanna R., Sanín D., Trujillo Trujillo E., Orejuela A. **A synopsis of Solanaceae from Caquetá (Colombia)**. XI Congreso Colombiano de Botánica (contributed talk). Villavicencio, Colombia.
- Deanna R., Martínez C., Manchester S., Campos A., Knapp S., Wilf P., Chiarini F.E., Barboza G.E., Bernardello G., Sauquet H., Dean E., Orejuela A., Smith S.D. **Las bayas fósiles de Solanaceae revelan la radiación global de una familia andina en el Eoceno**. XVIII Simposio Argentino de Paleobotánica y Palinología (contributed talk). Jujuy, Argentina.
- Morero R.E., Luján C., Deanna R., Audisio C., Negro M., Rocca D., Peralta M., Vallejo M. **Innovaciones sobre la enseñanza del Control Botánico de drogas vegetales en la asignatura Botánica, FCQ-UNC**. XVIII Simposio Latinoamericano y XIII Argentino de Farmacobotánica (poster). Online.
- 2021 Morero R.E., Las Peñas M.L., Carloni E., Deanna R. **Inferencias evolutivas de caracteres cromosómicos y de contenido de ADN en helechos Cheilantoideos (Pteridaceae, Cheilanthoideae) de Argentina**. XXXVIII Jornadas Argentinas de Botánica (poster). Online.
- Laport R.G., Landis J.B., Gaynor M., O'Connor T.K., Deanna R., Nguyen K.A., Ng J. **Using RAD capture sequences to investigate the origins of the American Amphitropical Disjuncts *Larrea tridentata* and *Larrea divaricata***. Botany 2021 (poster). Online.
- 2020 Deanna R. **Tiempos de divergencia en angiospermas: farolitos fósiles iluminan la historia evolutiva de las Solanaceae**. XXXI Reunión Anual de la Sociedad Botánica de Chile (*invited plenary speaker*). Online.
- Deanna R., Hvalj A.V., Sadowski E.-M., Fernandez V., Smith S.W. **A review of the seed fossil record for nightshades (Solanaceae)**. SOL International Online Meeting (poster). Online.
- Wheeler L.C., Walker J.F, Ng J., Deanna R., Dunbar-Wallis A., Backes A., Pezzi P.H., Brandão de Freitas L., Barboza G.E., Moyroud E., Smith S.D. **Phylotranscriptomic analysis of flower color evolution in Petunieae**. SOL International Online Meeting (poster). Online.
- Deanna R., Wilf P.D, Gandolfo, M.A. **A new physaloid fruit fossil from Patagonia and the evolutionary history of nightshades**. Botany 2020 (contributed talk). Online, United States.
- Chiarini F.E., Deanna R., Bohs, L. **Phylogeny and character evolution of the genus *Sclerophylax* (Solanaceae)**. Botany 2020 (contributed talk). Online, United States.
- Wheeler L.C., Walker J.F, Ng J., Deanna R., Dunbar-Wallis A., Backes A., Pezzi P.H., Brandão de Freitas L., Moyroud E., Barboza G.E., Smith S.D. **Phylotranscriptomics of the Petunieae clade of Solanaceae**. Botany 2020 (contributed talk). Online, United States.
- Auge G., de Leone M.J., Deanna R., Oliferuk S., Ribone P.A., Welchen E. **Building a pathway for diversity in plant sciences in Argentina: highlighting the work of women scientists through virtual activities**. 1st International Electronic Conference on Plant Science (poster). Online.
- 2019 Deanna R. **Between 'tomatillos' and 'unknown genera': a story of diversification in Solanaceae**. XXXVII Jornadas Argentinas de Botánica (*invited plenary speaker*, Parodi award). Tucumán, Argentina.
- Morero R.E., Deanna R., Barboza G.E., Barrington D.S. **Historical biogeography of the genus *Polystichum* (Dryopteridaceae) in Austral South America**. XXXVII Jornadas Argentinas de Botánica (contributed talk). Tucumán,

Argentina.

Grich† A., Barboza G.E., Cueva Manchego M., Deanna R. **Updated distribution and conservation assessment of *Deprea* (Solanaceae): new reports for Brazil and Peru.** XXXVII Jornadas Argentinas de Botánica (poster). Tucumán, Argentina.

Morero R.E., Deanna R., Carloni E., Las Peñas M.L. **Cytogenetics and DNA content of Cheilantoid ferns (Pteridaceae, Cheilanthes) from Argentina.** XXXVII Jornadas Argentinas de Botánica (contributed talk). Tucumán, Argentina.

Audisio C., Bolatti† M., Barboza G.E., Deanna R. **Evolutionary histology of *Deprea* (Solanaceae): is there phylogenetic signal in epidermal traits?** XXXVII Jornadas Argentinas de Botánica (poster). Tucumán, Argentina.

Deanna R., Bossio† V., Barboza G.E. **Distribution and conservation assessment of *Physalis* (Solanaceae) from Argentina.** XXXVII Jornadas Argentinas de Botánica (poster). Tucumán, Argentina.

Chiarini F.E., Rodríguez† J., Deanna R. **Chromosomal evolution of the subtribe Physalidinae (Physalideae, Solanaceae).** XXXVII Jornadas Argentinas de Botánica (contributed talk). Tucumán, Argentina.

Pretz C., Deanna R. **Typifications and nomenclatural notes in *Physalis* (Solanaceae) from the United States.** BSA Botany meetings (contributed talk). Tucson, United States.

2018 Chiarini F., Deanna R. **Patterns or chromosomal evolution in the Physalideae tribe (Solanaceae).** XII Latin American Botanical Congress (poster). Quito, Ecuador.

Deanna R., Barboza G.E., Smith S.D. **Phylogenetic relationships and evolution of Physaloids (Physalideae, Solanaceae).** XII Latin American Botanical Congress (invited talk, *Pan-American scholar award*). Quito, Ecuador.

Pretz C., Deanna R., Smith S.D. **Phylogenetic incongruence and interspecific crossability in the tomatillos (*Physalis*, Solanaceae).** Society for Systematic Biologists Standalone meeting (poster). Columbus, United States.

Deanna R., Barboza G.E., Smith S.D. **Tracing the evolution of the inflated calyx syndrome in the Physaloids (Solanaceae).** BSA Botany meetings (contributed talk). Rochester, United States.

Pretz C., Deanna R., Smith S.D. **Phylogenetic incongruence and interspecific crossability in the tomatillos (*Physalis*, Solanaceae).** BSA Botany meetings (poster). Rochester, United States.

2017 Deanna R., Barboza G.E., Carrizo García C. **Phylogenetic relationships of *Deprea*: New insights into the evolutionary history of physaloid groups.** BSA Botany meetings (contributed talk). Fort Worth, United States.

Deanna R., Leiva González S., Barboza G.E. **Geographic distribution and conservation assessment of *Deprea* species (Solanaceae).** BSA Botany meetings (poster). Fort Worth, United States.

2016 Luján M.C., Palchetti M.V., Deanna R., Morero R., Barboza G.E. **Mucilage in seeds of *Plantago* from Central Argentina.** IV International Meeting of Pharmaceutical Sciences (poster). Rosario, Argentina.

Deanna R., Acosta M.A., Barboza G.E., Scaldaferrero M.A. **Discovering the identity of DNAr 5S loci in *Deprea* Raf. (Solanaceae).** II Reunión Argentina de Jóvenes Botánicos (contributed talk). San Juan, Argentina.

Deanna R. **The importance of multidisciplinary studies to solve taxonomical problems: *Deprea* Raf. as an example.** II Reunión Argentina de Jóvenes Botánicos (contributed talk). San Juan, Argentina.

- 2015 Deanna R., Morero R., Filippa E., Luján M.C., Barboza G.E. **The experimentation: a didactic and innovative proposal for the teaching and learning in the Pharmacobotany.** VI Iberoamerican Congress of Pharmaceutical Sciences, COIFFA (poster). Córdoba, Argentina.
- Deanna R., Scaldaferrero M.A., Barboza G.E., Carrizo García C. **Molecular phylogeny and evolutionary trends in *Deprea* (Solanaceae).** XXXV Jornadas Argentinas de Botánica (contributed talk). Salta, Argentina.
- Deanna R., Cosa M.T., Barboza G.E., Stiefkens L. **Leaf epidermis and mesophyll traits in seven species of *Deprea* (Solanaceae).** XXXV Jornadas Argentinas de Botánica (poster). Salta, Argentina.
- González P., Suni M., Deanna R., Scaldaferrero M.A., Castañeda E., Ramírez W., Valencia N., Cano A. **Reproductive biology and cytogenetics of *Distichia muscoides* Nees & Meyen (Juncaceae).** XXIV Scientific Meeting ICBAR, Inst. de Investigación de Cs. Biológicas Antonio Raimondi (poster). Lima, Perú.
- 2014 Deanna R., Acosta M.C., Barboza G.E., Scaldaferrero M. **Analyses of ribosomal loci pattern in *Larnax* Miers and *Deprea* Raf. (Solanaceae).** XI Congreso Latinoamericano de Botánica y LXV Congreso Nacional de Botánica (poster). Salvador de Bahía, Brasil.
- Deanna R., Barboza G.E., Carrizo García C. **Molecular phylogeny of the genera *Larnax* Miers and *Deprea* Raf. (Solanaceae).** XI Congreso Latinoamericano de Botánica y LXV Congreso Nacional de Botánica (poster). Salvador de Bahía, Brasil.
- 2013 Deanna R., Barboza G.E., Scaldaferrero M. **Cytogenetics characterization of four species of *Larnax* (Solanaceae).** XLII Congreso Argentino de Genética (poster). Salta, Argentina.
- Deanna R., Leiva S., Barboza G.E. **Taxonomical novelties in *Larnax* (Solanaceae): typifications and new species from Ecuador.** XXXIV Jornadas Argentinas de Botánica (poster). La Plata, Argentina.
- Deanna R., Cosa M.T., Barboza G.E., L. Stiefkens. **Leaf epidermis of three species of *Larnax* (Solanaceae).** XXXIV Jornadas Argentinas de Botánica (poster). La Plata, Argentina.
- 2012 Deanna R., Barboza G. E., Carrizo García C., Scaldaferrero M. 2012. **Novel cytogenetic evidences in *Larnax* (Solanaceae).** XV Congreso Latinoamericano de Genética, XLI Congreso Argentino de Genética, XLV Congreso de la Sociedad de Genética de Chile y II Reunión Regional SAG-Litoral (poster). Rosario, Argentina.
- Deanna R., Peme C. M. **Selection and sequencing of Plant Physiology contents** X Jornadas Nacionales V Congreso Internacional de Enseñanza de la Biología (poster). Villa Giardino, Argentina.
- Deanna R., Muñoz N., Robert G., Rodríguez M., Lascano H. R. **Cambios redox sistémicos en la interacción soja-*B. japonicum*: participación del complejo de membrana plasmática NADPH oxidasa.** XXIX Reunión Argentina de Fisiología Vegetal (poster). Mar del Plata, Argentina.
- 2011 Deanna R., Muñoz N., Rodríguez M., Robert G., Lascano H. R. 2011. **Cambios redox tempranos sistémicos en la interacción soja (*Glycine max* L.) - *Bradyrhizobium japonicum*.** XXV Reunión Latinoamericana de Rizobiología (RELAR) y I Congreso Nacional de Microorganismos Promotores del Crecimiento Vegetal (poster). Piriápolis, Uruguay.
- Muñoz N., Rodríguez M., Robert G., Melchiorre M., Deanna R., Lascano H. R. **Actividad y expresión de enzimas del sistema antioxidante y NADPH oxidasas en pelos radicales durante la interacción soja-*B. japonicum* bajo**

condiciones de estrés salino y osmótico. XXV Reunión Latinoamericana de Rizobiología (RELAR) y I Congreso Nacional de Microorganismos Promotores del Crecimiento Vegetal (poster). Piriápolis, Uruguay.

Deanna R., Muñoz N., Lascano H. R. 2011. **Cambios sistémicos en la interacción soja (*Glycine max* L.) - *Bradyrhizobium japonicum*.** Segunda Reunión Conjunta de las Sociedades de Biología de la República Argentina (poster). San Juan, Argentina.

2010 Deanna R., Sayes A. V., Hadid M., Dottori N. & Cosa M. T. **Una estrategia de aprendizaje dinámica: utilización de claves para el reconocimiento de la dispersión de frutos.** IX Jornadas Nacionales y IV Congreso Internacional de Enseñanza de la Biología (poster). San Miguel de Tucumán, Argentina.

2009 Archilla M. V., Kembro J. M., Deanna R., Peralta G., Gleiser R.M. **Estudio sobre el patrón de locomoción de larvas de mosquito de ambientes acuáticos en Córdoba.** XVII Jornadas de la Sociedad de Biología de Córdoba (poster). Huerta Grande, Argentina.

TEACHING

COURSES TAUGHT

NATIONAL UNIVERSITY OF CORDOBA

Botany (Pharmacy), Dept. Pharmaceutical Sciences. FCQ, UNC. Res. 1231/2014. Assistant Professor (=Instructor). Regular, Apr 2015-present.

Plant Morphology (Biological Sciences), FCEyN, UNC. Res. 254/2016. Adscript under the supervision of M. T. Cosa, 2013-2016.

Botany (Pharmacy), Dept. Pharmaceutical Sciences. FCQ, UNC. Res. 100/2014. Assistant Professor. Temporary, Apr 2014-Mar 2015.

Botany (Pharmacy), Dept. Pharmaceutical Sciences. FCQ, UNC. Res. 776/13. Auxiliary "A" Professor. Temporary, July-Aug 2013.

Botany (Pharmacy), Dept. Pharmaceutical Sciences. FCQ, UNC. Res. 266/2013. Assistant Professor. Temporary, Apr-June 2013.

Plant Morphology (Biological Sciences), FCEyN, UNC. Teaching assistant -ad honorem- under the supervision of M. T. Cosa, 2012.

Plant Physiology (Biological Sciences), FCEyN, UNC. Res. 450/2011. Undergraduate teaching assistant under the supervision of C. González, 2009-2010.

Plant Morphology (Biological Sciences), FCEyN, UNC. Res. 817/2010. Undergraduate teaching assistant under the supervision of N. Dottori and M. T. Cosa, 2009-2010.

Mathematics I (Biological Sciences), FCEyN, UNC. Res. 553/2009. Undergraduate teaching assistant under the supervision of G. Moyano and F. Ludueña, 2008-2009.

OTHER UNIVERSITIES

Post-graduate course **Botanical Nomenclature: Introduction, Fundamentals and Updates**, with S. Knapp and D. Olmstead. IV Jornadas Binacionales de Botánica, XXXVI Jornadas Argentinas de Botánica y la XXVIII Reunión Anual de la Sociedad Botánica de Chile. Fac. Ciencias Agrarias, Universidad Nacional de Cuyo. Mendoza, Argentina, Sep 18-20, 2017.

Workshop **Identificación de Solanaceae & Convolvulaceae**, with G. E. Barboza, F. Chiarini and G. Bernardello. Sociedad Argentina de Botánica & Museo Botánico Córdoba (CORD). Córdoba, Argentina, Apr 22-24, 2019.

Workshop **Identificación de Solanaceae & Convolvulaceae**, with F. Chiarini. Museo Botánico Córdoba (CORD). Córdoba, Argentina, June 14-16, 2023.

TEACHING PUBLICATIONS

- Barboza G., Palchetti V., Luján M.C., Morero R., Deanna R., Audisio C. 2018. **Botany, Practical Guide 2019**, pg. 1-82.
- Barboza G., Palchetti V., Luján M.C., Morero R., Deanna R., Audisio C. 2018. **Botany, Practical Guide 2018**, pg. 1-75.
- Barboza G., Luján M.C., Morero R., Deanna R., Palchetti V., Audisio C. 2017. **Triptych 'Especies Nativas de Interés Medicinal de los alrededores de la Ciudad Universitaria de Córdoba'**.
- Barboza G., Palchetti V., Luján M.C., Morero R., Deanna R., Audisio C. 2017. **Botany, Practical Guide 2017**, pg. 1-75.
- Barboza G., Luján M.C., Morero R., Deanna R., Palchetti V., Cano F. 2016. **Botany, Practical Guide 2016**, pg. 1-78.
- Barboza G., Filippa E., Luján M.C., Morero R., Deanna R. 2015. **Botany, Practical Guide 2015**, pg. 1-80.
- Filippa E., Morero R., Luján M.C., Deanna R., Barboza G. 2014. **Botany, Theoretical complement**, pg. 1-94. ISBN 978-950-33-1113-4.

MENTORING

GRADUATE STUDENTS [1 total]

- Hoyos David.** 2023-2028. Doctorate student in 'Phylogenetics, cytogenetics and evolution of the neotropical genus *Browallia* L. (Solanaceae)'. National University of Cordoba, Argentina. Advisor: R. Deanna.

UNDERGRADUATE RESEARCHERS [7 total]

- Camila Guzmán Ogas.** 2022-2023. Internship in 'Seed variation in *Deprea* (Solanaceae)', and 'Phylogeny and taxonomy of *Chamaesaracha* (Solanaceae)'. National University of Cordoba, Argentina. Advisor: R. Deanna.
- Carolina Callegari.** 2022. Internship in 'Distribution of the neotropical genus *Deprea* (Solanaceae)', and 'Phylogeny and taxonomy of *Chamaesaracha* (Solanaceae)'. National University of Cordoba, Argentina. Advisor: R. Deanna.
- Abel Campos.** 2021-2022. Undergraduate researcher in 'What can we learn from seed and fruit fossils?'. Biological Sciences Initiative (BSI) grant holder (summer US) and Undergraduate Research Opportunities Program (UROP) fellow (fall US). University of Colorado, Boulder, US. Advisor: R. Deanna. Co-advisor: S. D. Smith.
- Seth Wells.** 2022. Undergraduate researcher collaborating in 'Fossils, fruits, and seeds: an integrative approach to estimating a timetree for the nightshades'. University of Colorado, Boulder, US. Advisor: S. Smith. Co-advisor: R. Deanna.
- Melissa McEvoy.** 2021. Undergraduate researcher collaborating in 'Fossils, fruits, and seeds: an integrative approach to estimating a timetree for the nightshades'. University of Colorado, Boulder, US. Advisor: S. Smith. Co-advisor: R. Deanna.
- Julieta Rodríguez.** 2018-2020. Undergraduate thesis in Chromosomal evolution in *Physalis*, *Quincula* and *Chamaesaracha* (Solanaceae). National University of Cordoba, Argentina. Advisor: F. Chiarini. Co-advisor: R. Deanna. Thesis presentation: <https://youtu.be/afRdASe9hnA>
- Victoria Bossio.** 2018-2020. Internship in Evolutionary trends of fruiting calyx in the Physalideae tribe (Solanaceae). Undergraduate thesis and CIN 2019-2020 grant holder to conduct research in Systematics, distribution and conservation status of *Physalis* (Solanaceae) from Argentina. National University of Cordoba, Argentina. Advisor: R. Deanna. Co-advisor: G. E. Barboza.
- Agustina Grich.** 2018-2020. Internship in Distribution and conservation status of the neotropical genus *Deprea* (Solanaceae). National University of Cordoba, Argentina. Advisor: R. Deanna.

Marina Bolatti. 2018. Internship in Leaf histology of *Deprea* (Solanaceae). National University of Cordoba, Argentina. Advisor: R. Deanna.

EXTERNAL GRADUATE COMMITTEES

Tania Itzel Andrade Ortiz. 2020-ongoing. Master thesis. Universidad de Guadalajara. Historia evolutiva de *Chamaesaracha*, *Physalis* y *Quincula* (Physalidinae, Solanaceae) a partir del genoma de cloroplasto. Advisor: O. Vargas-Ponce, Co-advisor: P. Zamora-Tavares. Guadalajara, Mexico.

Juan Tovar. 2019. Master thesis. Federal University of Western Pará. A molecular phylogeny of *Solanum* sect. *Brevantherum*, including biogeography and character evolution insights. Advisor: L. Giacomini, Co-advisor: T. André. Pará, Brasil.

EXTERNAL UNDERGRADUATE COMMITTEES

Natalí Hernández Ciro. 2020. Facultad de Ciencias Exactas y Naturales de la Universidad de Antioquia. Bases genéticas y anatómicas de la evolución convergente de frutos carnosos y secos dehiscentes en *Cestrum* y *Brugmansia* (Solanaceae). Advisor: Natalia Pabón Mora. Medellín, Colombia.

SERVICE

PROFESSIONAL SERVICE

PRIMARY LITERATURE PEER-REVIEWS FOR: [19 total] *Arnaldoa*, *Boletín de la Sociedad Argentina de Botánica*, *Journal of Plant Studies*, *Phytotaxa*, *Journal of the Botanical Research Institute of Texas*, *Plos One*, *Taxon*, *American Journal of Botany*, *Molecular Phylogenetics and Evolution*, *New Phytologist*, *The International Journal of Developmental Biology*, *Annals of the Missouri Botanical Garden*, *PhytoKeys*, *Annals of Agricultural Sciences*, *Planta*, *Systematic Botany*, *Frontiers in Genetics*, *Frontiers in Plant Science*, *Acta Botanica Brasilica*.

CONFERENCE ABSTRACTS REVIEW. XXXIX Jornadas Argentinas de Botánica 2023.

GRANT EXTERNAL REVIEWER. National Science Centre (Narodowe Centrum Nauki - NCN; <http://www.ncn.gov.pl>), Polonia, 2017; ASPT Awards 2022.

EDITION

Guest Associate Editor in *Frontiers of Genetics* and *Frontiers in Plant Sciences*, Research Topic: Solanaceae VII: Biology, Genetics, and Evolution. <https://www.frontiersin.org/research-topics/19039/solanaceae-vii-biology-genetics-and-evolution>

Guest Associate Editor in *Frontiers of Genetics* and *Frontiers in Plant Sciences*, Research Topic: Solanaceae VIII: Biodiversity, Climate Change and Breeding. <https://www.frontiersin.org/research-topics/37763/solanaceae-viii-biodiversity-climate-change-and-breeding#overview>

ORGANIZATION OF SEMINARS AND NETWORKS

SOL Seminars Online. 2020-present. Platform to discuss research within Solanaceae. <https://physaloidseminars.weebly.com/organizers.html>

ARG Plant Women. 2020-present. Platform to gather professional Argentinian women working in the country and abroad in disciplines related to plant science. <https://www.argplantwomen.com/english>

ARG Plant Women Symposia. 2022. Las plantas y su interacción con otros organismos. 2023. Las plantas y la biología evolutiva. <http://www.argplantwomen.com/simposios>

INTERNATIONAL AGREEMENTS

2022 - Bilateral agreement of cooperation between Facultad de Ciencias Exactas, Físicas y Naturales at Universidad Nacional de Córdoba (FCEFYN- UNC) and the Instituto Tecnológico Del Putumayo (ITP).

SOCIETY MEMBERSHIPS & SERVICE

The Systematics Association

Active member, 2018-present.

Botanical Society of America

Active member, 2014-present.

BSA Early Career Advisory Board, 2019-2021.

Fruit Development and Evolution “Twitter Takeover” – March 2020.

[https://bsapubs.onlinelibrary.wiley.com/doi/toc/10.1002/\(ISSN\)1537-2197.fruit-development-and-evolution](https://bsapubs.onlinelibrary.wiley.com/doi/toc/10.1002/(ISSN)1537-2197.fruit-development-and-evolution)

Diversity, Equity, and Inclusion Committee, 2021-present.

Society of Systematic Biologists

Active member, 2017-present.

International Association for Plant Taxonomy

Active member, 2013-present.

Webmaster, 2023-present.

International Code of Nomenclature for Algae, Fungi and Plants

Special-purpose Committee (SPC) on Typification, 2018-present.

Sociedad Argentina de Botánica

Active member, 2013-present.

Elected Council Member, 2015-2019.

Asociación Latinoamericana de Botánica

Active member, 2017-2018.

OUTREACH

2023 **Press releases** (32) associated with the publication of ‘Fossil berries reveal global radiation of the nightshade family by the early Cenozoic’. *New Phytologist* 238(6): 2685-2697. <https://www.colorado.edu/smithlab/2023/05/15/hot-presses>

Exhibition Biodiversa 2023. Talks during tours for schools and public. Museo Botánico Córdoba (CORD).

Workshops for Identification of Vascular Plants. General coordinator. Museo Botánico Córdoba (CORD). Monthly workshops of 2-3 days, from march to october 2023.

2022 **Night of the Museums 2022.** Stand: ‘Aromas y memorias’, mentoring students C. Guzmán Ogas and C. Callegari. Museo Botánico Córdoba.

Outreach publication ‘Gacetilla Prosopis’. Short article: ‘Nuestros Algarrobos han perdido el nombre: una lucha por *Prosopis*’. Escuela de Biología, National University of Cordoba.

International Day of the Museums and 150 years of Museums of the FCEFYN. Organizational committee of the inaugural meeting and participation of an interactive stand: ‘Photograph of a country: The second national census’. IMBIV, CONICET-UNC, Museo Botánico Córdoba.

Fascination of Plants Day 2022. Interactive stand: Medicinal plants of Cordoba. IMBIV, CONICET-UNC, Museo Botánico Córdoba.

2021 **Newspaper La Nación.** Participation on interview for newspaper: ‘La sabiduría de las plantas, historia de una negación’. <https://www.lanacion.com.ar/opinion/la->

- [sabiduria-de-las-plantas-historia-de-una-negacion-nid13022021/](https://www.youtube.com/watch?v=W_Sl7768OfM&feature=youtu.be)
- 2020 **BSA Webinar.** The Editor's Perspective: Maximize the chances your paper will be published. Member of panel, online. https://www.youtube.com/watch?v=W_Sl7768OfM&feature=youtu.be
BSA Webinar. Learning to Write Your Story Well. Member of panel, online. <https://www.youtube.com/watch?v=q2ryg5g5gXA&feature=youtu.be>
- 2019 **Fascination of Plants Day 2019.** Interactive stand: Medicinal plants of Cordoba city: the path to the pharmacy. IMBIV, CONICET-UNC, Museo Provincial de Ciencias Naturales Dr. Arturo Umberto Illía.
Workshops for Identification of Vascular Plants. General coordinator. Museo Botánico Córdoba (CORD) and Sociedad Argentina de Botánica. Monthly workshops of 2-3 days, from march to November 2019.
- 2017 **Fascination of Plants Day 2017.** Interactive stand: Medicinal plants of Cordoba city: the path to the pharmacy. IMBIV, CONICET-UNC, Museo Provincial de Ciencias Naturales Dr. Arturo Umberto Illía.
- 2016 **Fascination of Plants Day 2016.** Interactive stand: How can I discover the identity of the herbs contained in a digestive tea? IMBIV, CONICET-UNC, Museo Provincial de Ciencias Naturales Dr. Arturo Umberto Illía.
Science week 2016. Coordinator of the experience: How can I discover the identity of the herbs contained in a digestive tea? Pharmacy, FCQ (UNC).
- 2015 **Infographic poster for Famatina District.** Deanna R., Cantero J.J., Barboza G.E., Chiarini F.E., Ariza Espinar L. *Famatinanthus decussatus*, "Sacanza": a symbol from Famatina.
Science week 2015. Coordinator of the experience: How can I discover the identity of the herbs contained in a digestive tea? Pharmacy, FCQ (UNC).

ADDITIONAL ACADEMIC FORMATION

TRAINING COURSES

- 2022 Divergence-time estimation, a virtual workshop. Rothfels C., Looy C., Sundue M., May M., Muddiman B., González-Ramírez I. Online, United States.
- 2018 RevBayes workshop on Estimating time-calibrated phylogenies and diversification rates. Palazzesi L., Höhna S. Museo Argentino de Ciencias Naturales (MACN). Buenos Aires, Argentina.
- 2017 Basics of Supercomputing Bootcamp at the University of Colorado. Knuth S. Research Computing, University of Colorado at Boulder. Boulder, United States.
- 2016 Bases for the quality control of plant medicinal substances. Nuñez Montoya S. C. Pharmacy, FCQ, UNC. Córdoba, Argentina.
- 2016 Advanced tools for species distribution and ecological niche modeling. Martínez Meyer E., Peterson T. Centro de Zoología Aplicada and Instituto Multidisciplinario de Biología Vegetal. FCEfYn, UNC. Córdoba, Argentina (also organizer).
- 2016 Introduction to the phylogeography and the ecological niche modeling. Acosta M.C., Sérsic A.N., Cosacov A., Baranzelli M.C. FCEfYn, UNC. Córdoba, Argentina.
- 2015 Fundamentals, evaluation and future of the ecological niche and species distribution models. Lobo J.M., Martínez Meyer E., Lira-Noriega A., Retana M.V. FCN, UNPSJB. Puerto Madryn, Argentina.
- 2015 Methods in evolutionary ecology. Benitez-Vieyra S., Cocucci A.A., Fornoni J., Ordano M. FCEfYn, UNC. Córdoba, Argentina.
- 2014 Applications of multivariate statistical analysis. Balzarini M., Bruno C., Córdoba M., Teich I. FCA. UNC. Córdoba, Argentina.
- 2013 Introduction to the Phylogenetic Systematics and Comparative Method. Méndez M.

- A., Ibáñez C.M.C. FCEFyN, UNC. Córdoba, Argentina.
- 2013 Core Problems for the teaching of the Sciences and Technology at the University. De Longhi A.L., Bermudez G., Martínez S. FCEFyN, UNC. Córdoba, Argentina.
- 2013 III International Course in the use of tools of Geographic Information Systems (GIS) to support the conservation and use of plant genetic resources. Thomas E., Alcázar Caicedo C. UNNOBA, EEA INTA Pergamino, and Bioversity International. Pergamino, Argentina.
- 2013 International Code of Nomenclature for algae, fungi, and plants. McNeill J., Turland N., Barrie F., Prado J. Museum La Plata, UNLP. La Plata, Argentina.
- 2013 Plant Genome Structure, Function, and Evolution. Pessino S.C., Asurmendi S., Casati P., Castagnaro A., Delgado L., Echenique V., Ortiz J.P.A., Permingeat H., Podio M., Seijo G., Siena L., Spampinato C., Stein J. FCA, UNR. Rosario, Argentina.
- 2013 Cladistics: Theory and Methods. Mattoni C., Mirande J. FCEFyN, UNC. Córdoba, Argentina.
- 2013 Botanical Nomenclature. Burghardt A.D., Romero A., Martínez S. FCEyN, UBA. Buenos Aires, Argentina.
- 2013 An approach to the Philosophy of Biology. Folguera G. FCEFyN, UNC. Córdoba, Argentina.
- 2012 Statistics. Mangeaud A. FCEFyN, UNC. Córdoba, Argentina.
- 2012 Plant cytogenetics: chromosome evolution and its application in Systematics. Las Peñas L.M., Chiarini F.E., Urdampilleta J.D. FCEFyN, UNC. Córdoba, Argentina.
- 2012 Scientific writing in English. Martínez I. FCEFyN, UNC. Córdoba, Argentina.
- 2012 Molecular techniques in Systematics and Population Genetics. Chiappero M.B., Gardenal C.N., García B.A., González Ittig R.E., Pérez de Rosas A.R., Rivera P.C. FCEFyN, UNC. Córdoba, Argentina.

LANGUAGES

SPANISH native.

ENGLISH ADVANCED LEVEL

Advanced level. TOEFL test. ETS. Score: 97/120. 5/23/2014.

Intermediate level, equaling level B1, according to the levels of the Common European Framework of Reference for Languages. Approval Certificate. Cultural Department of Language Faculty, UNC. 2012-2013.

PORTUGUESE INITIAL LEVEL

Initial level, first year approved. Cultural Department of Language Faculty, UNC. 2014.

EXPERIENCE IN FIELDTRIPS

- 2023 Bolivia, with E. Mayta Chipana and C. Maldonado.
- 2023 Colombia, with A. Orejuela, E. Trujillo, and collaborators
- 2021 United States, with C. Pretz, J. Harris, and A. Campos.
- 2019 Argentina, with L. Wheeler and V. Palchetti.
- 2019 Peru, with V. Quipuscoa Silvestre and C. Fernández Ardiles.
- 2019 Mexico and Guatemala.
- 2018 Peru, with S. Carrasco. Collections with permissions obtained through Yanachaga-Chemillén National Park.
- 2018 Ecuador, with A. Orejuela, E. Trujillo, P. Moonlight. Collections with permissions obtained through the San Francisco of Quito University (QUSF).
- 2018 Brazil, with G. E. Barboza. Collection with permissions obtained by J. Stehmann.
- 2017 United States, with C. Pretz, S. Smith, and S. Carrasco.
- 2016 Colombia, with A. Orejuela, E. Mendoza, and S. Urbano. Collection with permissions

- obtained by A. Orejuela.
- 2015 Argentina (Famatina), with G. E. Barboza, J. J. Cantero, and S. Leiva González.
- 2013 Peru and Ecuador, with S. Leiva González. Collection with permissions obtained through the Natural Museum of Natural Sciences, National Herbarium (QCNE), Quito, Ecuador.
- 2012 Perú and Ecuador, with S. Leiva González. Collection with permissions obtained through the Antenor Orrego Private University (HAO).