

Published texts

Manuel Alberto Ayala-Ramos, Susana Adriana Montaña-Arias, Teresa Terrazas, Rosaura Grether (2025). Relevance of leaflet morphoanatomical characters in the taxonomy and ecology of seven species of the genus *Mimosa* (Leguminosae, Caesalpinioideae, Mimoseae). *Flora*, Volume 332. <https://doi.org/10.1016/j.flora.2025.152849>.

(Translated)

Manuel Alberto Ayala-Ramos, Teresa Terrazas, Rosaura Grether, Hilda Flores-Olvera (2025). Leaf morphoanatomical diversity of representative gypsophyte angiosperm lineages from the Chihuahuan Desert. *Flora*, Volume 332. <https://doi.org/10.1016/j.flora.2025.152843>.

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Montaña-Arias SA, Grether R, Camargo-Ricalde SL, Flores-Olvera MH (2020) Comparative wood anatomy of eight tree species of *Mimosa* sect. Batocaulon (Leguminosae) distributed in Mexico and their taxonomic implications. *Phytotaxa* 428(3):209-227. <https://doi.org/10.11646/phytotaxa.428.3.3>

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Susana Adriana Montaña-Arias, Sara Lucía Camargo-Ricalde, Rosaura Grether, David Díaz-Pontones. (2022). Seed morphology, anatomy and histochemistry in two Mexican species of *Mimosa* (Leguminosae, mimosoid clade), *Flora*, Volume 286, <https://doi.org/10.1016/j.flora.2021.151970>.

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Manuel Alberto Ayala-Ramos, Susana Adriana Montaña-Arias, Teresa Terrazas & Rosaura Grether. (2024). Ecological implications of stomatal density and stomatal index in the adult stage of *Mimosa* L. (Leguminosae, Caesalpinioideae). *Protoplasma* 261, 477–486.

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J.S. García-Yee, R. Torres-Jardón, H. Barrera-Huertas, T. Castro, O. Peralta, M. García, W. Gutiérrez, M. Robles, J.A. Torres-Jaramillo, A. Ortíz-Álvarez, L.G. Ruiz-Suárez. (2018)

Characterization of NO_x-O_x relationships during daytime interchange of air masses over a mountain pass in the Mexico City megalopolis. *Atmospheric Environment*, Volume 177. <https://doi.org/10.1016/j.atmosenv.2017.11.017>.

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Víctor Velázquez-Castaneda, Rosaura Grether, Salvador Arias, Mahinda Martínez (2024). Estimation of Divergence Times and Reconstruction of Ancestral Morphological Characters of the Genus *Mimosa* (Leguminosae, Caesalpinioideae) *Systematic Botany*, 49(3):522-546 (2024). <https://doi.org/10.1600/036364424X17267811220443>

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Zavaleta-Mancera, Hilda & Montaña, Susana & Camargo Ricalde, Sara Lucía & Grether, Rosaura. (2021). Effect of seed age on germination, seedling survival and growth of *Mimosa luisana* (Leguminosae). Trees. 35. <https://doi.org/10.1007/s00468-020-02031-5>
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Montserrath Medina-Acosta, Rosaura Grether, Susana Adriana Montaña-Arias, David Manuel Díaz-Pontones (2025). [Revisiting the inflorescence structure, the floral traits and pollen aggregations of four species of Mimosa \(Leguminosae, Caesalpinoideae\) occurring in Mexico.](https://doi.org/10.17129/botsci.3633) <https://doi.org/10.17129/botsci.3633> Botanical Sciences, Vol. 103 No. 2 (2025): April – June
(Translated)

Figueroa-Rodríguez, K. A., Ramírez Vásquez, J. D., Velasco Velasco, J., & Aguilar-Rivera, N. (2022). TRENDS AND RESEARCH ON COVID-19 AND FARMERS USING VOSVIEWER. Agro Productividad. <https://doi.org/10.32854/agrop.v15i11.2412>
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Salgado Andrade, E. (2021). [Memes and semiotic processes related to the pandemic in Mexico.](https://doi.org/10.32870/cys.v2021.7906) Comunicación y Sociedad, e7906. <https://doi.org/10.32870/cys.v2021.7906>
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Zamora-Ledesma S, Hernández-Camacho N, et al. (2016) Presence of trypanosomatid antibodies in gray foxes (*Urocyon cinereoargenteus*) and domestic and feral dogs (*Canis lupus familiaris*) in Queretaro, Mexico. Veterinary Parasitology: Regional Studies and Reports, Volume 5, pp. 25-30, <https://doi.org/10.1016/j.vprsr.2016.08.005>.
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International Journal of Herbal Medicine 2017; 5(4): 39-46
(Translated)

Rocío Aurora Sandoval Chávez, Ramón Álar Martínez Peniche, Sofía Arvizu Medrano, Lourdes Soto Muñoz, María del Socorro Chávaro Ortiz, Neus Teixidó Espasa, Rosario Torres Sanchis. (2014) Effect of maturity stage, ripening time, harvest year and fruit characteristics on the susceptibility to *Penicillium expansum* link of apple genotypes from Queretaro, Mexico, Scientia Horticulturae, Volume 180 <https://doi.org/10.1016/j.scienta.2014.10.014>
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Edited Manuscripts

Ana Bertha Villaseñor, A.B., Olóriz, F. (2025) First report of Oxfordian planktic foraminifera and ammonites from the Cerro Pelón area, Veracruz State, Mexico. Microfacies, paleoenvironmental interpretation and biostratigraphy. Journal of South American Earth Sciences. Volume 165. <https://doi.org/10.1016/j.jsames.2025.105723>
(reviewed)

[Delgado-Coello B \(2020\) Is Atherosclerosis a Disease of Modern Times?](#)
Front. Young Minds. 8:537255. doi: 10.3389/frym.2020.537255
(reviewed)

Sánchez, N.S., Calahorra, M., González, J. et al. [Contribution of the mitogen-activated protein kinase Hog1 to the halotolerance of the marine yeast *Debaryomyces hansenii*](#).
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(reviewed)

[Negative feedback-loop mechanisms regulating HOG- and pheromone-MAPK signaling in yeast.](#)
Vázquez-Ibarra, A., Rodríguez-Martínez, G., Guerrero-Serrano, G. et al. Curr Genet (2020).
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[A study of carbonate beach sands from the Yucatan Peninsula, Mexico: a case study.](#)
Dr. J.J. Kasper Zubillaga
Carbonates and Evaporates
doi:10.1007/s13146-015-0283-0
(reviewed)

[Tunicamycin Sensitivity-Suppression by High Gene Dosage Reveals New Functions of the Yeast Hog1 MAP Kinase](#)

Mariana Hernández-Elvira et al.

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[The C-terminal Domain Supports a Novel Function for CETPI as a New Plasma Lipopolysaccharide-Binding Protein.](#)

García-González, V. *et al.*

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(reviewed)

[Mapping of hydrocarbon- and scrap-metal-contaminated soil using volatile organic compounds and electromagnetic profiling methods](#)

Author: Dr. Omar Delgado-Rodriguez

DOI: 10.3997/1873-0604.2017008 Near Surface Geophysics

31 de enero de 2017

Instituto Potosino de Investigación Científica y Tecnológica

(reviewed)

[Antimicrobial Activity of a Cationic Guanidine Compound against Two Pathogenic Oral Bacteria](#)

Author: Dr. E. Escamilla-García, Universidad Autónoma de Nuevo León

International Journal of Microbiology

Volume 2017, Article ID 5924717, 9 pages

<https://doi.org/10.1155/2017/5924717>

(reviewed)

[Activation of the Hog1 MAPK by the Ssk2/Ssk22 MAP3Ks, in the absence of the osmosensors, is not sufficient to trigger osmostress adaptation in *Saccharomyces cerevisiae*.](#)

Author: Dr. Roberto Coria *et al.*

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Montserrat Medina-Acosta, Rosaura Grether, Angélica Martínez-

Bernal & Elia Ramírez-Arriaga (2018): [Comparative study of pollen morphology and exine ultrastructure in tetrads, octads and polyads of the genus *Mimosa* \(Leguminosae\).](#)

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DOI:

10.1080/01916122.2018.1446470

(reviewed)

Pending publication

Velázquez-Castañeda V, Grether R, Arias S, Martínez M. Advances in the Taxonomy and Evolutionary History of the *Piptadenia* group (Leguminosae, Caesalpinioideae: Mimosoid Clade) (7000 words) (Translated from Spanish)

Melipona beecheii pot-honeys harvested in Campeche, Yucatán and Quintana Roo: a case study on the overrepresentation of pollen resources (9000 words) (Reviewed)