

REFERENCES

REFERENCE

- Akkajit, P., and Nuamkongman, W. (2016). Seed germination and growth parameters of *Zea mays* L. as influenced by Municipal Solid Waste Incineration Fly Ash (MSWIFA) and Sewage Sludge (SS) Amended Soil. *Applied Environmental Research*, 38(1), 43-52.
- Artola, A., Carrillo-Castañeda, G. and García de los Santos, G. (2003). Hydropriming: a strategy to increase *Lotus corniculatus* L. seed vigor. *Seed Science and Technology*, 31, 455-463.
- Barrett S. C. H., and Harder L. D. (2017). The ecology of mating and its evolutionary consequences in seed plants. *Annual Review of Ecology, Evolution and Systematics*, 48, 135-157.
- Baskin, C. C., and Baskin, J. M. (2014). *Seeds: Ecology, biogeography, and evolution of dormancy and germination*. (2nd ed.). San Diego: Elsevier/ Academic Press.
- Beauzamy, L., Nakayama, N., and Boudaoud, A. (2014). Flowers under pressure: ins and outs of turgor regulation in development. *Annals of Botany*, 114(7), 1517-33. doi: 10.1093 /aob /mcu187.
- Bewley, J. D., Bradford, K., Hilhorst, H., and Nonogaki, H. (2013). *Seeds: Physiology of Development, Germination and Dormancy*. Springer, New York. doi: 10.1007/978-1-4614-4693-4
- Cardoso, J. C. F., Viana, M. L., Matias, R., Furtado, M. T., Caetano, A. P. D. S., Consolaro, H., and Brito, V. L. G. D. (2018). Towards a unified terminology for angiosperm reproductive systems. *Acta Botanica Brasilica*, 32, 329–348.
- Casenave, E. C., and Toselli, M. E. (2007). Hydropriming as a pre-treatment for cotton germination under thermal and water stress conditions. *Seed Science and Technology*, 35, 88-98.
- Culley T. M., and Klooster, M. R. (2007). The cleistogamous breeding system: a review of its frequency, evolution, and ecology in angiosperms. *The Botanical Review*, 73, 1-30.

- Dafni, A. (1992). *Pollination Ecology: A Practical Approach*. Oxford University Press, Oxford.
- Do, Q. D., Angkawijaya, A. E., Tran-Nguyen, P. L., Huynh, L. H., Soetaredjo, F. E., Ismadji, S., and Ju, Y.-H. (2014). Effect of extraction solvent on total phenol content, total flavonoid content, and antioxidant activity of *Limnophila aromatica*. *Journal of food drug analysis*, 22, 296-302. doi: <http://dx.doi.org/10.1016/j.jfda.2013.11.001>
- Dogan, M. (2019). The effectiveness of light emitting diodes on shoot regeneration in vitro from shoot tip tissues of *Limnophila aromatica* (Lamk.) Merr. and *Rotala rotundifolia* (Buch-Ham. ex Roxb) Koehne. *Biotechnic & Histochemistry*. doi: 10.1080/10520295.2019.1670359.
- Eckert, C. G. (2000). Contributions of autogamy and geitonogamy to self-fertilization in a mass-flowering, clonal plant. *Ecology*, 81, 532-542.
- eFloras (2008). *Flora of china*. Missouri Botanical Garden, St. Louis, MO & Harvard University Herbaria, Cambridge, MA. Retrieved June 1, 2025, from <http://www.efloras.org/>
- Faegri, K., and Van Der Pijl, L. (1979). *The Principles of Pollination Ecology*. Pergamon Press, Oxford, New York.
- Farahani, H. A., and Maroufi, K. (2011). Effect of hydropriming on seedling vigour in Basil (*Ocimum Basilicum* L.) under salinity conditions. *Advances in Environmental Biology*, 5(5), 828-833.
- Fatima, H., Ishaque, S., Hashim, M., Hano, C., Abbasi, B. H., and Anjum, S. (2023). Role of hydrogen peroxide in plant and crosstalk with signaling networks, growth, and development. *Plant Biology, Sustainability and Climate Change*, 195-224. doi: <https://doi.org/10.1016/B978-0-323-95375-7.00002-1>
- Forest and Plant Conservation Research Office. (2024). *Thai Plant Names*. Retrieved from <https://botany.dnp.go.th/mplant/index.html>
- Geissler, C., Davidson, A., and Niesenbaum, R. A. (2023). The influence of climate warming on flowering phenology in relation to historical annual and seasonal temperatures and plant functional traits. *PeerJ*, 11, e15188. doi: <http://doi.org/10.7717/peerj.15188>

- Gentry, A. H. (1974). Flowering phenology and diversity in tropical Bignoniaceae. *Biotropica*, 6(1), 64-68.
- Ghimire, B., Choi, G. E., Lee, H., Heo, K., and Jeong, M. J. (2017). Morphological studies on seeds of Scrophulariaceae s.l. and their systematic significance. *Advances in Seed Biology*. doi: <http://dx.doi.org/10.5772/intechopen.70572>
- Gonzalez, V. H., Mantilla, B., and Palacios, E. (2006). Foraging activity of the solitary andean bee, *Anthophora walteri* (Hymenoptera: Apidae, Anthophorini). *Revista Colombiana de Entomología*, 32(1), 73-76.
- Gupta, R., and Chakrabarty, S. K. (2013). Gibberellic acid in plant still a mystery unresolved. *Plant signaling & behavior*, 8(5), 9-12.
- Hasnain, A., Naqvi, S. A. H., Ayesha, S. I., Khalid, F., Ellahi, M., Iqbal, S., Hassan, M. Z., Abbas, A., Adamski, R., Markowska, D., Baazeem, A., Mustafa, G., Moustafa, M., Hasan, M. E., and Abdelhamid, M. M. A. (2022). Plants in vitro propagation with its applications in food, pharmaceuticals and cosmetic industries; current scenario and future approaches. *Frontiers in Plant Science*, 13, 1009395.
- Hiloolglu, M., Sozen, E., Yucel, E., and Kandemir, A. (2018). Chemical applications, scarification and stratification effects on seed germination of rare endemic *Verbascum calycosum* Hausskn. ex Murb. (Scrophulariaceae). *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*, 46(2), 376-380.
- Jang, G. H., Chung, J. M., Rhie, Y. H., and Lee, S. Y. (2022). seed dormancy class and ecophysiological features of *Veronicastrum sibiricum* (L.) Pennell (Scrophulariaceae) native to the Korea Peninsula. *Plants*, 11, 160. doi: <https://doi.org/10.3390/plants11020160>
- Kampny, C. M. (1995). Pollination and flower diversity in Scrophulariaceae. *The Botanical Review*, 61(4), 350-366.
- Karatas, M., and Aasim, M. (2015). In vitro whole plant regeneration of the medicinal aquatic plant-*Limnophila aromatica*. *Fresenius Environmental Bulletin*, 24(8).
- Kato, M., Kosaka, Y., Kawakita, A., Okuyama, Y., Kobayashi, C., Phimminith, T., and Thongphan, D. (2008). Plant-pollinator interactions in tropical monsoon forests in Southeast Asia. *American Journal of Botany*, 95(11), 1375-1394.

- Kew Science. (2024). *Plants of the world online*. Retrieved from [http:// www.Plantsoftheworldonline.org/](http://www.Plantsoftheworldonline.org/)
- Khammapana, L., Mulalin, S., and Tangteerawatana, S., (2019). Breaking seed dormancy in *Tacca leontopetaloides* (L.) Kuntze Seed. *King Mongkut's Agricultural Journal*, 37(3), 446 – 451.
- Khan, F. A., Bhat, S. A., Narayan, S., Maqbool, R., Murtuza, I., and Khan, F. U. (2017). Seed deterioration and priming - An overview. *SKUAST Journal of Research*, 19(1), 12-21.
- Kirmizi, S., Gülerüz, G., Arslan, H., Sakar, F. S., and Kocabiyik, G. A. (2010). Effects of moist chilling, gibberellic acid, and scarification on seed dormancy in the rare endemic *Pedicularis olympica* (Scrophulariaceae). *Turkish Journal of Botany*, 34, 225-232.
- Kumar, V., Sharma, S., Sharma, R. K., Kumar, V., and Sharma, S. S. (2024). Influence of seed pre-treatment and storage on germination and physiological characteristics of seeds of common mullein (*Verbascum thapsus* L.). *Journal of Applied Research on Medicinal and Aromatic Plants*, 43, 100573
- Labouriau, L. G. (1983). Salinity and temperature effects on germination, emergence and seedling growth of globe arti-choke. *Agronomie*, 22, 443–450.
- Laha, S., Chatterjee, S., Das, A., Smith, B., and Basu, P. (2020). Non-crop floral traits as determinants of bee visitation in a tropical agricultural landscape. *Proceedings of the Zoological Society*, 73(4), 441–445. doi: <https://doi.org/10.1007/s12595-019-00302-9>
- Les, D. H. (2018) *Aquatic dicotyledons of North America: Ecology, life history, and systematics*. CRC Press, Taylor & Francis group, Boca Raton, London, New York.
- Li, Q., Ruan, C.-J., and Silva, J. A. T. D. (2017). Floral traits and mating system of *Hibiscus trionum* (Malvaceae). *Acta Ecologica Sinica*, 37, 91-96. doi: <http://dx.doi.org/10.1016/j.chnaes.2016.12.011>
- Lim, Z., Lord, J., and Johnson, S. (2025). Understanding foraging and nesting behaviour of ground nesting bees in Dunedin, New Zealand. *New Zealand Journal of Ecology*, 49(1), 3579

- Lloyd, D. G., and Webb, C. J. (1992). *The selection of heterostyly*. In Barrett SCH. (ed.) Evolution and function of heterostyly. Berlin, Springer Verlag.
- Lord, E. M. (1981). Cleistogamy: a tool for the study of floral morphogenesis, function and evolution. *The Botanical Review*, 47, 421-449.
- Lu, J. J., Tan, D. Y., Baskin, C. C., and Baskin, J. M. (2017) Effect of seed position on parental plant on proportion of seeds produced with nondeep and intermediate physiological dormancy. *Frontiers in Plant Science*. 8, 147. doi: 10.3389/fpls.2017.00147
- Nurse, R. E., and Cavers, P. B. (2008). The germination characteristics of *Scrophularia marilandica* L. (Scrophulariaceae) seeds. *Plant Ecology*, 196, 185-196. doi: 10.1007/s11258-007-9343-4
- Pakum, W., Kongbangkerd, A., Srimuang, K.-O., Gale, S. W., and Watthana, S. (2019). Reproductive biology of a rare, fly-pollinated orchid, *Bulbophyllum nipondhii* Seidenf., in Thailand. *Flora*, 260, 151467. doi: <https://doi.org/10.1016/j.flora.2019.151467>
- Panda, M., Satapathy, M. K., and Samal, R. N. (2020). Taxonomic revision and new locational report of *Limnophila indica* (L.) Druce: A species becoming rare by the invasion of aquatic macrophytes. *The Journal of the Society for Tropical Plant Research*, 7(2), 268-276. doi: 10.22271/tpr.2020.v7.i2.032
- Rattanasena, P. (2012). Antioxidant and antibacterial activities of vegetables and fruits commonly consumed in Thailand. *Pakistan Journal of Biological Sciences*, 15(18), 877-882.
- Richards, A. J. (1997). *Plant breeding systems*. (2nd. ed.). London, Chapman & Hall.
- Rodríguez, R. Z., Montiel L. G. H., Amador, B. M., Puente, E. O. R., Capistrán, L. L., Diéguez, E. T., and Matson, M. V. C. (2015). Effect of hydropriming and biopriming on seed germination and growth of two mexican fir tree species in danger of extinction. *Forests*, 6, 3109-3122.
- Shen, S. K., Wu, F. Q., Yang, G. S., Wang, Y. H., and Sun, W. B. (2015). Seed germination and seedling emergence in the extremely endangered species *Rhododendron protistum* var. *giganteum* —the world's largest Rhododendron. *Flora - Morphology, Distribution, Functional Ecology of Plants*, 216, 65-70.

- Simpson, M. G. (2006). *Plant systematics*. Burlington, Elsevier Academic Press.
- Simpson, M. G. (2019). *Plant systematics*. (3rd. ed.). Burlington, Elsevier Academic Press.
- Smith, P. (2018). *The book of seeds a life-size guide to six hundred species from around the world*. Chicago, University of Chicago Press.
- Smittinand, T., and Larsen, K. (1990). *Flora of Thailand* Vol. 5, Part 2. Forest Herbarium, Royal Forest Department, Bangkok.
- Stevens, P. F. (2024). *Angiosperm phylogeny website*. Retrieved from <http://www.mobot.org/MOBOT/research/APweb/>.
- Stucky, B. J., Guralnick R., Deck, J., Denny, E. G., Bolmgren, K., and Walls, R. (2018). The plant phenology ontology: A new informatics resource for large-scale integration of plant phenology data. *Frontiers in Plant Science*, 9(517).
- Suksamrarn, A., Poomsing, P., Aroonrerk, Punjanon, T., Suksamrarn, S., and Kongkun, S. (2003). Antimycobacterial and antioxidant flavones from *Limnophila geoffrayi*. *Archives of Pharmacal Research*, 26(10), 816-820.
- Tepedino, V. J., Sipes, S. D., and Griswold, T. L. (1999). The reproductive biology and effective pollinators of the endangered beardtongue *Penstemon penlandii* (Scrophulariaceae). *Plant Systematics and Evolution*, 219, 39-54.
- The Office of Agriculture Regulation. (2009). *Fresh vegetable export statistics for 2008*. Department of Agriculture, Bangkok.
- Thongdon, A. J., and Inprakhon, P. (2009). Composition and biological activities of essential oils from *Limnophila geoffrayi* Bonati. *World Journal of Microbiology and Biotechnology*, 25, 1313-1320.
- Tiwari, R. K. S., Chandra, K. K., and Dubey, S. (2018). Techniques for breaking seed dormancy and its efficacy on seed germination of six important medicinal plant species. *International Journal of Agriculture, Environment and Biotechnology*, 11(2), 293-301.
- Urry, L. A., Cain, M. L., Wasserman, S. A., Minorsky, P. V., and Reece, B. O. (2011). *Campbell biology*. Twelfth edition. New York: Pearson Education, Inc.
- Valbuena, L., and Vera, M. L. (2002). The effects of thermal scarification and seed storage on germination of four heathland species. *Plant Ecology*, 161, 137-144.

- Van Doorn, W. G. V., and Van Meeteren, U. V. (2003). Flower opening and closure: a review. *Journal of Experimental Botany*, 54(389), 1801-1812.
- Willmer, P. (2011). *Pollination and floral ecology*. United Kingdom, Princeton University Press.
- Yescas-Romo, K. F., Hayano-Kanashiro, C., and Molina-Freaner, F. (2024). Pollination biology of *Gossypium turneri*: Autonomous selfing provides reproductive assurance in an endangered wild cotton from Sonora, Mexico. *Plant Species Biology*, 1-15. doi: 10.1111/1442-1984.12474
- Zhang D., Li Y.-Y., Zhao X., Zhang C., Liu D.-K., Lan S., Yin W., and Liu Z.-J. (2024). Molecular insights into self-incompatibility systems: From evolution to breeding. *Plant Communications*, 5, 100719.
- Zulkarnain, Z., Eliyanti, E., and Swari, E. I. (2019). Pollen viability and stigma receptivity in *Swainsona formosa* (G.Don) J.Thompson (Fabaceae), an ornamental legume native to Australia. *Journal of Ornamental Horticulture*, 25(2), 158-167.