Chen X.M., Yan H.L., Wang C.L., Tian L.X., Wang A.R., and Guo S.X., 2016, Effects of mycorrhizal fungus *Mycena* sp. on the growth and polysaccharide properties of *Dendrobium officinale*, Science China Life Sciences, 59(9): 974-976.
https://doi.org/10.1007/s11427-015-0367-0

Chen Y., Cai G., Chen H., Zhou H., Qu H., and Yang H., 2025, Physicochemical properties and biological activities of polysaccharides from *Dendrobium officinale* leaves in response to different extraction methods, Foods, 14(12): 2029.
https://doi.org/10.3390/foods14122029

Cheng Y.S., He D.X., He J., Niu G.H., and Ji F., 2019, Effects of short light/dark cycles on photosynthetic pathway switching and growth of medicinal *Dendrobium officinale* in aeroponic cultivation, International Journal of Agricultural and Biological Engineering, 12(5): 38-43.
https://doi.org/10.25165/j.ijabe.20191205.4864

Du G., Zhou Y., Liu C., Ghorbanpour M., Hou Y., and Li J., 2025, Rhizosphere characteristics combined with physiology and transcriptomics reveal key metabolic pathway responses in *Dendrobium officinale* upon exposure to calcium-rich karst environments, Environmental and Experimental Botany, 232: 106115.
https://doi.org/10.1016/j.envexpbot.2025.106115

Fan Y., Xu E., Wang G., He D., Ma J., Liu Y., Li X., and Luo A., 2023, Transcriptional and physiological analysis reveal new insights into the regulation of fertilization (N, P, K) on the growth and synthesis of medicinal components of *Dendrobium denneanum*, International Journal of Molecular Sciences, 24(2): 1522.
https://doi.org/10.3390/ijms24021522

Fan Y., Xu L., Wang G., Zhao J., Ma J., Wang H., Li T., Li X., and Luo A., 2024, Transcriptome: new perspective for the rational planting of *Dendrobium nobile* and the improvement of medicinal quality through cold stimulation, Scientia Horticulturae, 335: 113348.
https://doi.org/10.1016/j.scienta.2024.113348

Feng Z., Li Y., Zhang S., Song J., Xiang H., Huang J., Fan H., and Liu L., 2024, *DoSPX1* and *DoMYB37* regulate the expression of *DoCSLA6* in *Dendrobium officinale* during phosphorus starvation, BMC Plant Biology, 24(1): 803.
https://doi.org/10.1186/s12870-024-05512-8

Gao M., Huang S., Yang T., Tian S., He L., Wang A.Q., and Zhang S., 2026, Physiological and transcriptomic analysis reveal responses of two different phenotypes of *Dendrobium officinale* to high temperature and drought stress, Plant Physiology and Biochemistry, 232: 111188.
https://doi.org/10.1016/j.plaphy.2026.111188

Guo R., Liao J., Sun Y., Wang Y., Li P., and Du B., 2025, A review of advances in the extraction, structural characterization, gel properties, and biological activity mechanisms of *Dendrobium officinale* polysaccharides, International Journal of Biological Macromolecules, 311(Pt 2): 143756.
https://doi.org/10.1016/j.ijbiomac.2025.143756

He C., Wu K., Zhang J., Liu X., Zeng S., Yu Z., Zhang X., Teixeira da Silva J.A., Deng R., Tan J., Luo J., and Duan J., 2017, Cytochemical localization of polysaccharides in *Dendrobium officinale* and the involvement of *DoCSLA6* in the synthesis of mannan polysaccharides, Frontiers in Plant Science, 8: 173.
https://doi.org/10.3389/fpls.2017.00173

He C., Zeng D., Zhang M., Si C., Li S., Chen J., Shi H., Dai G., Liu Z.J., and Duan J., 2026, *DoMYB75* coordinately regulates polysaccharide and anthocyanin biosynthesis in *Dendrobium officinale*, Horticulture Research, 13(2): uhaf291.
https://doi.org/10.1093/hr/uhaf291

He Y., Li L., Chang H., Cai B., Gao H., Chen G., Hou W., Jappar Z., and Yan Y., 2022, Research progress on extraction, purification, structure and biological activity of *Dendrobium officinale* polysaccharides, Frontiers in Nutrition, 9: 965073.
https://doi.org/10.3389/fnut.2022.965073

Huang H., Jiao Y., Tong Y., and Wang Y., 2023, Comparative analysis of drought-responsive biochemical and transcriptomic mechanisms in two *Dendrobium officinale* genotypes, Industrial Crops and Products, 199: 116766.
https://doi.org/10.1016/j.indcrop.2023.116766

Huang X., Niu P., Gao Y., Rong W., Luo C., Zhang X., Jiang P., Wang M., and Chu G., 2024, Effects of water and nitrogen on growth, rhizosphere environment, and microbial community of *Sophora alopecuroides*: their interrelationship, Plants, 13(14): 1970.
https://doi.org/10.3390/plants13141970

Lai C.H., Huo C.Y., Xu J., Han Q.B., and Li L.F., 2024, Critical review on the research of chemical structure, bioactivities, and mechanism of actions of *Dendrobium officinale* polysaccharide, International Journal of Biological Macromolecules, 263(Pt 1): 130315.
https://doi.org/10.1016/j.ijbiomac.2024.130315

Lei T., Gao S., Lin X., Zhang K., Liu Y., Li W., Hu D., Yu X., Jiang M., Chen Q., and Sun Y., 2021, Calcium signalling mediated the regulation of growth and polysaccharide accumulation by light quality in *Dendrobium officinale* protocorms, Horticulture, Environment, and Biotechnology, 62(2): 287-297.
https://doi.org/10.1007/s13580-020-00304-z

Li D., Ye G., Li J., Lai Z., Ruan S., Qi Q., Wang Z., Duan S., Jin H.L., and Wang H.B., 2023, High light triggers flavonoid and polysaccharide synthesis through DoHY5-dependent signaling in *Dendrobium officinale*, The Plant Journal, 115(4): 1114-1133.
https://doi.org/10.1111/tpj.16284

Liang R., Chen L., Wang H., Wang X., Wu W., Huang S., Li X., Luo H., Huang B., Simal-Gandara J., Zhu H., and Zhang M., 2025, Advances in research on *Dendrobium officinale* polysaccharide: extraction techniques, structural features, biological functions, structure-activity relationships, biosynthesis and resources, Results in Engineering, 27: 106454.
https://doi.org/10.1016/j.rineng.2025.106454