

- Miller T., Mikiciuk G., Durlík I., Mikiciuk M., Łobodzińska A., and Śnieg M., 2025, The IoT and AI in agriculture: the time is now-a systematic review of smart sensing technologies, *Sensors*, 25(12): 3583.
<https://doi.org/10.3390/s25123583>
- Muraseva D.S., and Novikova T.I., 2018, Efficient protocol for in vitro propagation from bulb scale explants of *Fritillaria ruthenica* Wikstr. (Liliaceae), a rare ornamental species, *Rendiconti Lincei. Scienze Fisiche e Naturali*, 29(2): 491-497.
<https://doi.org/10.1007/s12210-018-0693-8>
- Nile S.H., Su J., Wu D., Wang L., Hu J., Sieniawska E., and Kai G., 2021, *Fritillaria thunbergii* Miq. (Zhe Beimu): a review on its traditional uses, phytochemical profile and pharmacological properties, *Food and Chemical Toxicology*, 153: 112289.
<https://doi.org/10.1016/j.fct.2021.112289>
- Pasternak T.P., and Steinmacher D., 2024, Plant growth regulation in cell and tissue culture in vitro, *Plants*, 13(2): 327.
<https://doi.org/10.3390/plants13020327>
- Qu A., Wu Q., Su J., Li C., Yang L., Wang Z.A., Wang Z.H., Li Z., Ruan X., Zhao Y., and Wang Q., 2022, A review on the composition and biosynthesis of alkaloids and on the taxonomy, domestication, and cultivation of medicinal *Fritillaria* species, *Agronomy*, 12(8): 1844.
<https://doi.org/10.3390/agronomy12081844>
- Sharma S., Kumar P., Sharma R., and Warghat A.R., 2023, In vitro propagation and omics breakthroughs for understanding specialized metabolite production in high-value Himalayan *Fritillaria* species, *Industrial Crops and Products*, 205: 117541.
<https://doi.org/10.1016/j.indcrop.2023.117541>
- Shi Y.H., Huang Q.W., Zhu S.M., Zhou Y.M., Zhang L.J., Huang W.K., Shao J.J., Zhou J.L., and Zhang W.T., 2022, Chemical profiling of *Fritillariae thunbergii* Miq prepared by different processing methods reveals two new quality markers: *Zhebeinin* and *imperialine-3-β-D-glucoside*, *Journal of Ethnopharmacology*, 283: 114670.
<https://doi.org/10.1016/j.jep.2021.114670>
- Sishodia R.P., Ray R.L., and Singh S.K., 2020, Applications of remote sensing in precision agriculture: a review, *Remote Sensing*, 12(19): 3136.
<https://doi.org/10.3390/rs12193136>
- Sui N., Wang L., Sun J., Wu J., Chen M., Zhang S., Yuan Q., and Kai G., 2021, Estimating *Fritillaria thunbergii* Miq. yield, quality, and potassium use efficiency in response to potassium application rate, *Industrial Crops and Products*, 164: 113409.
<https://doi.org/10.1016/j.indcrop.2021.113409>
- Thakur S., Shruti, Hashmi S., Mishra S., Ekka S.K., Kushwaha A., and Kujur R., 2024, A review on plant tissue culture, *Asian Journal of Biology*, 20(2): 14-18.
<https://doi.org/10.9734/ajob/2024/v20i2387>
- Wang H., Chen Y., Wang L., Liu Q., Yang S., and Wang C., 2023, Advancing herbal medicine: enhancing product quality and safety through robust quality control practices, *Frontiers in Pharmacology*, 14: 1265178.
<https://doi.org/10.3389/fphar.2023.1265178>
- Wang L., Weng W., Zhou Z., Liang B., Wang S., Hu X., Zhu H., Wang H., and Sui N., 2026, A regulatory network revealing spatial distribution differences of alkaloids, flavones, and carbohydrates in *Fritillaria thunbergii* bulbs by multi-omics analysis, *Plant Physiology and Biochemistry*, 235: 111387.
<https://doi.org/10.1016/j.plaphy.2026.111387>
- Xu Y., Cao Z., Yang Y., Shentu X., and Yu X., 2022, First report of blight on *Fritillaria thunbergii* caused by *Fusarium oxysporum* in Zhejiang Province, China, *Plant Disease*, 106(7): 1991.
<https://doi.org/10.1094/PDIS-11-21-2407-PDN>
- Xu Z., Wang Y., Song W., Dong L., Wang Z., and Yang Y., 2026, Functions of FtGGPS and its role in the bulb development of *Fritillaria thunbergii*, *Sheng Wu Gong Cheng Xue Bao (Chinese Journal of Biotechnology)*, 42(1): 436-457.
<https://doi.org/10.13345/j.cjb.250616>
- Zhang M.J., Zhang L., Gan J., Fang C., Chen B., Ma L., Zheng C., and Zhou J.L., 2026, Exploring the differences in alkaloids of *Fritillariae thunbergii* bulbous from different regions using liquid chromatography-mass spectrometry and chemometrics, *Chemistry and Biodiversity*, 23(4): e03442.
<https://doi.org/10.1002/cbdv.202503442>

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