Cite this as: Yun-xiang ZANG, Jia-li GE, Ling-hui HUANG, Fei GAO, Xi-shan LV, Wei-wei ZHENG, Seung-beom HONG, Zhu-jun ZHU, 2015. Leaf and root glucosinolates profiles of Chinese cabbage (*Brassica rapa* ssp. *pekinensis*) as a systemic response to methyl jasmonate and salicylic acid elicitation. Journal *of Zhejiang University-Science B (Biomedicine & Biotechnology)*, **15**(8):696-708. [doi:10.1631/jzus.B1400370]

Leaf and root glucosinolates profiles of Chinese cabbage (*Brassica rapa* ssp. *pekinensis*) as a systemic response to methyl jasmonate and salicylic acid elicitation

Key words: Chinese cabbage, Methyl jasmonate, Salicylic acid, Glucosinolate, Interactive effect

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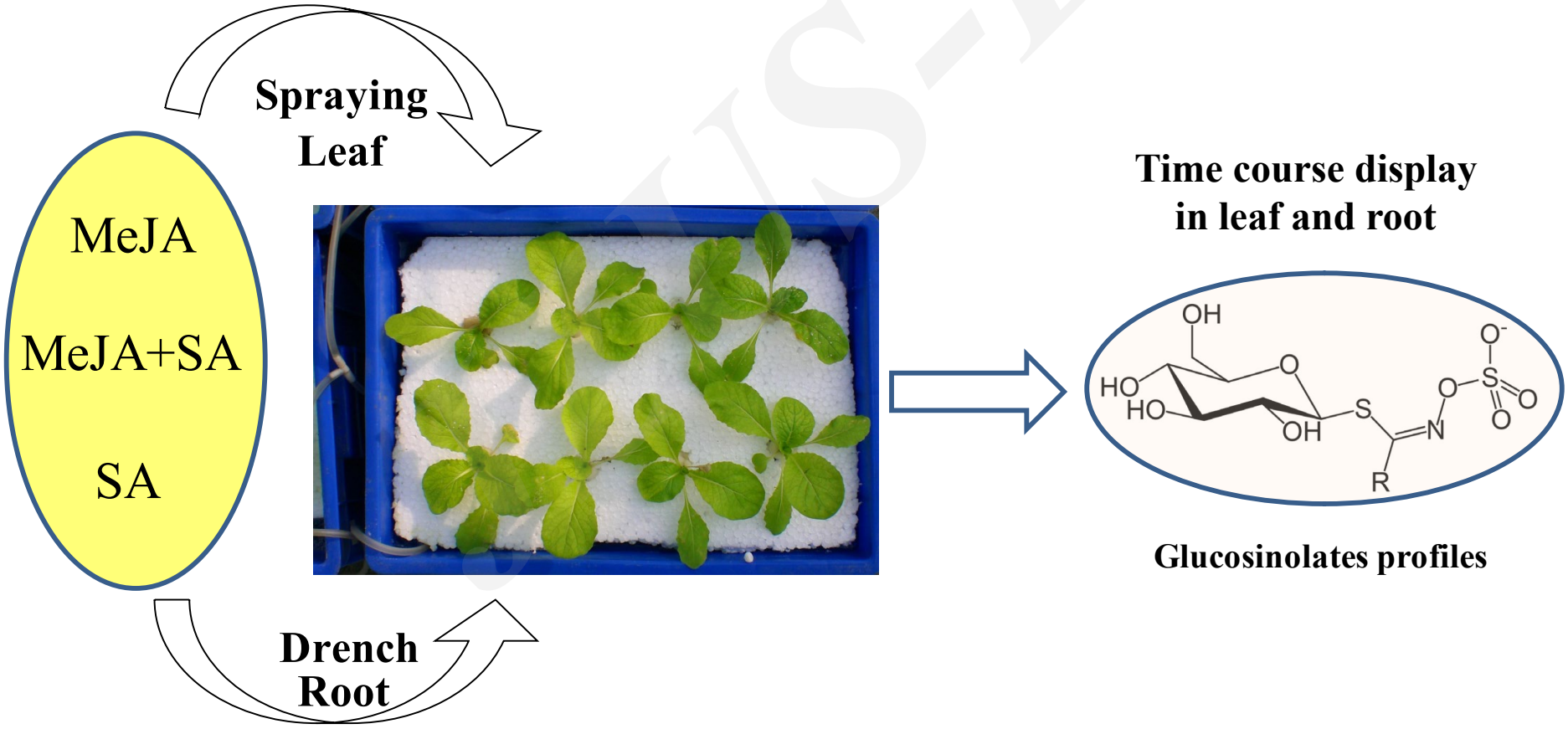
Research summary

This research investigated the effect of foliar or root application of MeJA and/or SA on glucosinolates accumulation profiles in leaf and root of Chinese cabbage



Innovation points

- Roots accumulated much more glucosinolates than leaves under MeJA and SA elicitation.
- MeJA had a greater inducing and longer lasting effect on glucosinolates accumulation than SA.
- Indole glucosinolates accumulated most rapidly in response to MeJA and SA elicitation.
- Neoglucobrassicin did not respond to SA but to MeJA elicitation in leaf tissue.

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