



Dr. TRINH HOAN KHAI

### Contact

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### Research Interest

- Adventitious roots, plant hormone, biostimulants
- Biopesticides, RNASeq
- Microspores regeneration

### Research Topics

- Conservation of genetic nitrogen-fixing bacteria resources of wild rice
- The vegetable production model with high-tech application
- Selection of rice varieties to adapt to climate change in the Mekong Delta

### Lecturing courses

- Molecular Biology

### Typical Publications

1. Jin, Chunlian, Limin Sun, **Hoang Khai Trinh**, and Geelen Danny. 2023. "Heat Stress Promotes Haploid Formation during CENH3-Mediated Genome Elimination in Arabidopsis." *Plant Reproduction*. <https://doi.org/10.1007/s00497-023-00457-8>
2. Li, Jing, **Hoang Khai Trinh**, Seyed Mahyar Mirmajlessi, Geert Haesaert, Ramize Xhaferi, Ilse Delaere, Monica Höfte, et al. 2023. "Biopesticide and Plant Growth-Promoting Activity in Maize Distillers' Dried Grains with Solubles." *Industrial Crops and Products* 193 (March). <https://doi.org/10.1016/j.indcrop.2022.116175>
3. Lardon, Robin, **Hoang Khai Trinh**, Xiangyu Xu, Lam Dai Vu, Brigitte van de Cotte, Markéta Pernisová, Steffen Vanneste, Ive de Smet, and Danny Geelen. 2022. "Histidine Kinase Inhibitors Impair Shoot Regeneration in Arabidopsis Thaliana via Cytokinin Signaling and SAM Patterning Determinants." *Frontiers in Plant Science* 13 (September). <https://doi.org/10.3389/fpls.2022.894208>
4. Ogunsanya, Halimat Yewande, Pierfrancesco Motti, Jing Li, **Hoang Khai Trinh**, Lin Xu, Nathalie Bernaert, Bart van Droogenbroeck, et al. 2022. "Belgian Endive-Derived Biostimulants Promote Shoot and Root Growth in Vitro." *Scientific Reports* 12 (1). <https://doi.org/10.1038/s41598-022-12815-z>
5. Li, Jing, Philippe Evon, Stéphane Ballas, **Hoang Khai Trinh**, Lin Xu, Christof van Poucke, Bart van Droogenbroeck, et al. 2022. "Sunflower Bark Extract as a Biostimulant Suppresses Reactive Oxygen Species in Salt-Stressed Arabidopsis." *Frontiers in Plant Science* 13 (July). <https://doi.org/10.3389/fpls.2022.837441>