Yunliu Zeng, male, <u>zengyl@mail.hzau.edu.cn</u>, Huazhong Agricultural University, Associate Professor (Personal Web Page <u>https://faculty.hzau.edu.cn/cengyunliu/zh_CN/index.htm</u>). He graduated from Huazhong Agricultural University with a Ph.D. in **pomology** in 2014. He has been to University of Oxford, the UK (2013-2014) and Plant and Food Research Institute, New Zealand (2017-2018) for collaborative research. He was appointed to the positions of China Agriculture Research System - Kiwifruit Quality Safety & Postharvest Preservation Scientist (2021-), Hubei Province Special Fruit (Kiwifruit) Postharvest Scientist (2018-) and New Zeal J Crop Hort Associate Editor (2021-).

He is mainly engaged in the research of **postharvest biology and green preservation technology** by using kiwifruit as material, and has obtained >10 projects, and the available funding up to four million in the coming three years. He has published 12 high-level papers, e.g. Plant Physiol (2), J.X.B, as the first author or corresponding author, applied/approved more than 20 patents, software copyrights and new variety registrations. He has received five awards at provincial and ministerial level or above, including the First Prize of Scientific Research of Shennong Chinese Agricultural Science and Technology Award, and the First Prize of Hubei Provincial Science and Technology Progress.

Selected peer-reviewed journal articles: 2011-present:

- Wang X, Zeng Y*, Ross RA, Nieuwenhuizen NJ (2021) TPS-b family genes involved in signature aroma terpenes emission in ripe kiwifruit. Plant Signaling & Behavior, https://doi.org/10.1080/15592324.2021.1962657;
- Qihua Ling, Najiah Mohd. Sadali, Ziad Soufi, Yuan Zhou, Binquan Huang, Yunliu Zeng, Manuel Rodriguez-Concepcion & Paul Jarvis (2021) The chloroplast-associated protein degradation pathway controls chromoplast development and fruit ripening in tomato Nature Plants 7, 655–666
- Gong J[#], Zeng Y[#] (co-first author) et al (2021) Red light-induced citrus fruit colouration is attributable to increased carotenoid metabolism regulated by the NAC transcription factor FcrNAC22. Journal of Experimental Botany. 10.1093/jxb/erab283;
- Zeng Y, Xueren Yin (2021) Chinese horticulture: From basic research to industrial applications. New Zealand Journal of Crop and Horticultural Science DOI: 10.1080/01140671.2021.1927479;
- 5) 吴麒宇; 祁春节; 程运江; 蔡礼鸿; 曾云流* (2021). COVID-19 新冠疫情对全球猕猴 桃商贸影响剖析, 果树学报. <u>https://doi.org/10.13925/j.cnki.gsxb.20210080</u>;
- 6) **曾云流**, 猕猴桃贮藏保鲜技术规范. 果农之友, 2021 (1) 38-39;

- Li Y, Wang X, Zeng Y, Liu P (2020) Metabolic profiling reveals local and systemic responses of kiwifruit to Pseudomonas syringae pv. actinidiae. Plant Direct 4 (12):e00297
- 8) Yunliu Zeng, Mindy Wang, Denise C. Hunter, Adam J. Matich, Peter A. McAtee, Mareike Knäble, Cyril Hamiaux, Elizabeth A. Popowski, Sara R. Jaeger, Niels J. Nieuwenhuizen, Yar-Khing Yauk, Ross G. Atkinson*. Sensory-directed genetic & biochemical characterization of volatile terpene production in kiwifruit. Plant Physiol, 2020;DOI:https://doi.org/10.1104/pp.20.00186
- 9) Yingzi Zhang, Yun Liu, Fengxia Liu, Xiongjie Zheng, Zongzhou Xie, Junli Ye, Yunjiang Cheng, Xiuxin Deng, and Yunliu Zeng*.Investigation of chromoplast ultrastructure and tissue-specific accumulation of carotenoids in citrus flesh. Scientia Horticulturae 2019;256:108547.
- 10) Man Zhu, Jiajia Lin, Junli Ye, Wang Rui, Yang Chao, Jinli Gong, Yun Liu, Chongling Deng, Ping Liu, Chuanwu Chen, Yunjiang Cheng, Xiuxin Deng, Yunliu Zeng* A comprehensive proteomic analysis of elaioplasts from citrus fruits reveals insights into elaioplast biogenesis and function. Horticulture Research. 2018; 5:6 DOI 10.1038/s41438-017-0014-x.
- Yunliu Zeng, Yunjiang Cheng, and Xiu-Xin Deng. Diversity of plastids in citrus fruit.
 Acta Horticulture. 1203. ISHS 2018;DOI 10.17660/ActaHortic.2018.1203.17.
- 12) Zeng YL, Pan ZY, Ding YD, Lan H, He YZ, Lu SW, Cao HB, Wang L, Zhu AD, Xu Q, Deng X*. A comprehensive analysis of chromoplast differentiation reveals complex protein changes associated with plastoglobule biogenesis and remodelling of protein systems in orange flesh. Plant Physiol, 2015; 168 (4):1648–1665.
- Zeng YL, Pan ZY, Wang L, Ding YD, Xu QK, Deng XX*. Phosphoproteomic analysis of chromoplasts from sweet orange during fruit ripening. Physiol Plantarum. 2014; 150 (2):252-270.
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