

陈斯云 CHEN Si-Yun

- ❖ Degree: Master
- ❖ Research area: Bioinformatics and Phylogenomics
- ❖ Academic Title: Engineer
- ❖ Main research activities of key members

CHEN' s research interests are in assembly and analysis of omics data, with an emphasis on assembly of chloroplast genome and transcriptome. He as main staff participates in 5 grants including the National Natural Science Foundation of China, the Science and Technology Innovation of CAS, and so on. He published 12 scientific papers in international journals.

- ❖ Main scientific publications in the last five years related to the application

- Zhang Rong†, Wang Yin-Huan†, Jin Jian-Jun†, Stull Gregory W., Bruneau Anne, Cardoso Domingos, de Queiroz Luciano Paganucci, Moore Michael J., Zhang Shu-Dong, **Chen Si-Yun**, Wang Jian, Li De-Zhu*, Yi Ting-Shuang*. Exploration of plastid phylogenomic conflict yields new insights into the deep relationships of Leguminosae[J]. *Systematic Biology* 2020,69(4):613 – 622.
- Oyebanji Oyetola, Zhang Rong, **Chen Si-Yun**, Yi Ting-Shuang*. New insights into the plastome evolution of the Millettoid/Phaseoloid Clade (Papilionoideae, Leguminosae)[J]. *Frontiers in Plant Science* 2020,9: 138.
- Wang Wen-Cai, Shao Feng-Qing, Deng Xin, Liu Yuan-Wei, **Chen Si-Yun**, Li Yong-Quan, Guo Wei, Jiang Qing-Bin, Liang Hong, Zhang Xian-Zhi. Genome surveying reveals the complete chloroplast genome and nuclear genomic features of the crocin-producing plant *Gardenia jasminoides* Ellis. *Genetic Resources and Crop Evolution*, 2020.
- Wang Wen-Cai, **Chen Si-Yun**, Zhang Xian-Zhi, 2020. Complete plastomes of 17 species of maples (Sapindaceae: Acer): comparative analyses and phylogenomic implications[J]. *Plant Systematics and Evolution*, 2020, 306(3): 61.
- Wang Wen-Cai, **Chen Si-Yun**, Guo Wei, Li Yong-Quan, Zhang Xian-Zhi. Tropical plants evolve faster than their temperate relatives: a case from the bamboos (Poaceae: Bambusoideae) based on chloroplast genome data[J]. *Biotechnology & Biotechnological Equipment*, 2020, 34(1): 482-493.
- Zhang X.-Z., **Chen S.-Y.**, Chen P., Liang H., The complete chloroplast genome of *Chusquea culeou* (Poaceae: Bambusoideae: Bambuseae)[J]. *Mitochondrial DNA Part B Resources*, 2019, 4(1): 91-92
- Zhang X.-Z., **Chen S.-Y.**, Chen P., Liang H., The complete chloroplast genome of *Ampelocalamus actinotrichus* (Bambusoideae: Arundinarieae)[J]. *Mitochondrial DNA Part B Resources*, 2019, 4(1): 145-146
- Wang W.-C., **Chen S.-Y.**, Zhang X.-Z., Whole-Genome Comparison Reveals Divergent IR

Borders and Mutation Hotspots in Chloroplast Genomes of Herbaceous Bamboos (Bambusoideae: Olyreae)[J]. *Molecules*, 2018, 23(7):1537

- Zhang X.-Z., Zhou R.-C., **Chen S.-Y.**, The complete chloroplast genome of *Bambusa ventricosa* (Bambusoideae: Bambuseae)[J]. *Mitochondrial DNA Part B Resources*, 2018, 3(2): 986-987
- Wang W.-C., **Chen S.-Y.**, Zhang X.-Z., Whole-Genome Comparison Reveals Heterogeneous Divergence and Mutation Hotspots in Chloroplast Genome of *Eucommia ulmoides* Oliver[J]. *International Journal of Molecular Sciences*, 2018, 19(4), 1037
- Wang Y.-H., Susann Wicke, Wang H., Jin J.-J., **Chen S.-Y.**, Zhang S.-D., Li D.-Z., Yi T.-S., Plastid Genome Evolution in the Early-Diverging Legume Subfamily Cercidoideae (Fabaceae)[J]. *Frontiers in Plant Science*, 2018, DOI: 10.3389/fpls.2018.00138
- **Chen S.-Y.**, Zhang X.-Z., Characterization of the complete chloroplast genome of the relict Chinese false tupelo, *Camptotheca acuminata*[J]. *Conservation Genetics Resources*, 2018, DOI 10.1007/s12686-017-0895-x