

NEW TECHNOLOGIES FOR POSTHARVEST RIPENING REGULATION AND DISEASE RESISTANCE IN TROPICAL FRUITS

Yan Zhou, Tianli Wu, Yuxing Mo, Hongyan Zhang, Shengnan Zhu, Kaidong Liu*

Life Science and Technology School, Lingnan Normal University, Zhanjiang 524048, China

liukaidong2001@126.com

The main reasons for post-harvest loss of tropical fruit in China are summarized. The physiological and molecular mechanisms of postharvest ripening and postharvest diseases of tropical fruits were reviewed in this study. The research progress of papaya, mango and other fruits in our laboratory was mainly introduced. This study also expounds the present situation of storage, transportation and fresh-keeping of tropical fruits from the aspects of harvesting technology, postharvest treatment, packaging, storage and transportation, etc. The present situation and development of storage and transportation of tropical fruit in China and other countries are described in the aspects of technology, treatment, packaging and shipping. The differences in storage and transportation between China and other countries and regions are pointed out, and some development strategies are proposed.

Keywords: tropical fruit, postharvest ripening, postharvest diseases