Extracts

The Characteristics of Tropical and Rare Golden Camellias and Their Introduction

WANG Zhong-lang  SHEN Yun-guang  FENG Bao-jun

Kunming Institute of Botany, Chinese Academy of Sciences, Kunming 650204

This paper introduces the characteristics of Golden Camellias. It includes a description of the building of the conservation greenhouse in the Kunming Botanical Garden. The greenhouse contains 36 tropical Camellia species including five species native to Viet Nam. The Kunming Botanical Gardens has now become an important institution with great international influence in the conservation of yellow camellias.

The full text of this article including photographs of some of the camellias now housed in the greenhouse can be found on the ICS Website.

A flavonol synthase gene related to yellow flowers in Camellia nitidissima

LI Ji-yuan 1*  ZHOU Xing-wen 1,2  FAN Zhengqi 1  YIN Heng-fu 1*  SUN Ying-kun 1  LI Xin-lei 1  CHEN Yue 1

1 The Research Institute of Subtropical Forestry, Chinese Academy of Forestry, Fuyang, 311400, Zhejiang, China;  2 Yulin Normal University, Guangxi Zhuang Autonomous Region, Yulin 537000, Guangxi, China

New flower color is an attractive characteristic in ornamental plants. In order to generate new flower colors for camellias, a number of genes related flavonoids biosynthesis have been expressed by researchers. In this study, the effects on flower color of a flavonol synthesis gene named CnFLS, which was cloned from Camellia nitidissima, were researched. What the results show is that the gene from C. nitidissima is functional (i.e. it works) in modulating flower colour.

The full text of this papers together with photographs can be found on the ICS website.

Newly built 2.5m high limestone waterfall and a pond with 13.0m x 1.5m, increasing the indoor humidity and changing the flat landscape to three-dimensional vision.