



## Research Paper

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# *Per se* performance of anthurium (*Anthurium andraeanum* Linden Ex André) cultivars for yield and quality under Shevaroy's condition eastern ghat

■ M. ANAND, A. SANKARI<sup>1</sup> AND R. ARULMOZHIYAN<sup>1</sup>

### Members of the Research Forum

#### Associated Authors:

<sup>1</sup>Horticultural Research Station  
(T.N.A.U.), Yercaud, SALEM (T.N.)  
INDIA

#### Author for correspondence :

M. ANAND

Horticultural Research Station,  
(T.N.A.U.), Yercaud, SALEM (T.N.)  
INDIA  
Email : anandhort@gmail.com

**ABSTRACT :** A study was conducted to evaluate the twenty nine anthurium cultivars at Horticultural Research Station, Tamil Nadu Agricultural University, Yercaud between June 2008 and 2010 for quantitative and qualitative characters. Significant differences were observed for all the characters. In respect to the plant height cultivar Ria Bamboo Red recorded the highest plant height (73.90 cm) and Flamingo Blush Pink produced the maximum number of leaves per plant (11) and cv. Gino Orange (3.50) recorded minimum number of leaves per plant. Cultivars Lima White (4.21 no.) and Peach (3.60 no.) recorded maximum number of suckers. Linda De mole had the maximum plant spread (73.20 cm) and minimum was recorded in cv. Red KLP (32 cm). The highest leaf length was produced in Liver Red (40.84 cm) and maximum breadth (21.60 cm). In respect, to stalk length cultivar Hawaii Red recorded the highest stalk length (64.90 cm) and Merignue Red (30.40 cm) recorded the lowest stalk length. Temptation recorded the highest spathe length (18.10 cm), spathe width (15.00 cm), spadix length of (11.5 cm) and the highest numbers of spikes per plant (9 no.). Honduras (24 d) recorded maximum vase life in water and vase life of flower on plant (23.68 d). In correlation and path co-efficients the characters viz., plant height, plant spread, leaf length, leaf breadth, stalk length, spathe length, spathe width, spadix length emerged out as important component. It could be concluded from the present investigation that out of twenty nine cultivars evaluated the Temptation, Honduras, Peach Ria Bamboo Red and Verdun Red were found to be the best cultivars with superior in qualities for cut flower production under Shevaroy condition of eastern ghat.

**KEY WORDS :** Anthurium, Cultivars, Correlation, Path co-efficient

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