Physiological Changes in *Dendrobium sonia* BOM # 17 After Gamma Irradiation

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**Presented**: The 17th World Orchid Conference, April 24-May 2, 2002, Shah Alam, Malaysia

Some physiological changes in *Dendrobium* after gamma irradiation at 0, 1.0, 1.5 and 2.0 kGy were studied. Gamma irradiation affected respiration, ethylene production, reducing sugars, appearances of flowers and vase life. Flowers treated with 2.0 kGy had the highest of respiration rate, ethylene production and reducing sugar content. These flowers had 5 days of vase life and more flower-drop and failure of buds to open compared to control flowers (13 days of vase life).