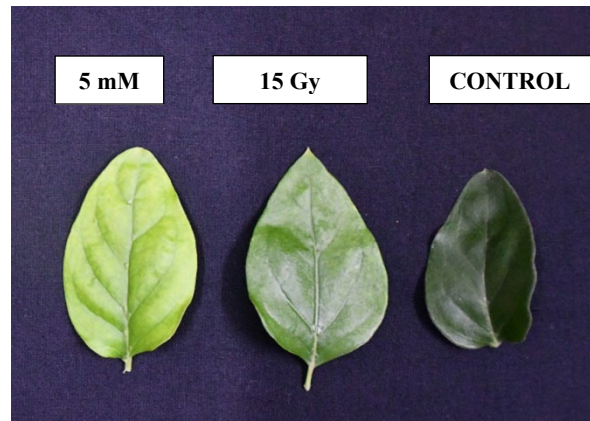


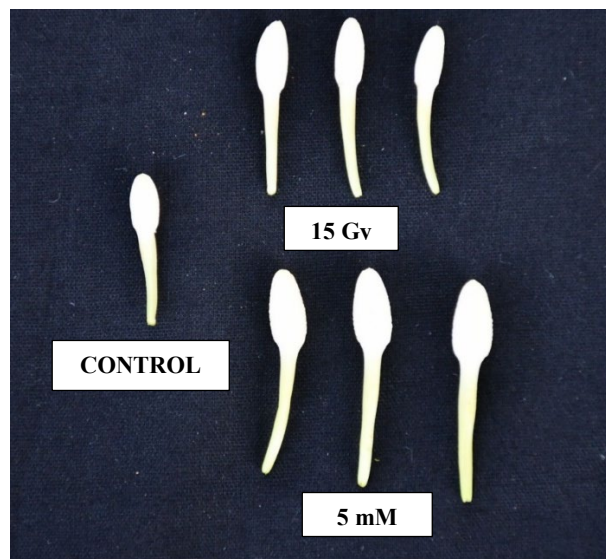
Supplementary Table 1 Flowering parameters of M₁V₃ generation of EMS treated plants of *J. auriculatum* ecotype Muthu Mullai

Dose	Days to flowering	No. of flowering cymes / branch	Flower bud length (cm)	Corolla tube length (cm)	Bud girth (mm)	Flower diameter (cm)	100 flower bud weight (g)
EMS treatment							
Control	154.8±2.4 (5.9)	6.5±0.2 (8.9)	2.1±0.1 (9.2)	1.5±0.1 (9.2)	2.1±0.1 (9.2)	1.8±0.1 (9.2)	10.7±0.2 (9.2)
5 mM	130.5±3.9 (11.2)	9.3±0.4 (14.8)	2.8±0.1 (16.6)	2.2±0.1 (11.6)	3.0±0.1 (11.2)	2.3±0.1 (11.8)	11.6±0.4 (13.8)
10 mM	134.2±3.8 (10.4)	6.6±0.3 (16.4)	2.4±0.1 (17.4)	2.1±0.1 (10.9)	2.2±0.1 (14.9)	2.1±0.1 (13.3)	11.0±0.4 (14.9)
15 mM	141.0±3.8 (10.6)	8.2±0.4 (14.6)	2.7±0.1 (14.9)	1.6±0.1 (14.8)	2.5±0.1 (12.6)	2.2±0.1 (12.9)	10.9±0.4 (14.6)
20 mM	134.5±3.9 (12.3)	7.3±0.4 (18.3)	2.4±0.1 (18.5)	2.1±0.1 (12.0)	2.1±0.1 (15.9)	1.8±0.1 (15.1)	11.1±0.4 (14.0)
25 mM	133.6±4.2 (12.2)	6.5±0.3 (19.3)	2.5±0.1 (19.0)	2.0±0.1 (11.7)	2.5±0.1 (13.6)	2.0±0.1 (13.6)	11.4±0.4 (13.8)

Values are [Mean±Standard Error]
(coefficient of variation)



Supplementary Fig. 1 Chlorophyll variations (control and mutants) for leaf size and thickness.



Supplementary Fig. 2 Variations for flower bud size and corolla tube length in putative mutants of gamma irradiated and EMS treated mutants.



6 petals



8 petals

Supplementary Fig. 3 Variations in flower petal numbers of putative mutants of gamma irradiated plants (15Gy).



5 petals



7 petals - control



9 petals

Supplementary Fig. 4 Variations in flower petal numbers of putative mutants of EMS treated plants (5 Mm).