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# Influence of various seed amelioration techniques on physiological and biochemical changes of different seed vigour lots in pigeonpea (*Cajanus cajan* L. Millsp) var. BRG-2

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**ABSTARCT :** An experiment was carried out at Department of Seed Science and Technology, UAS, GKVK, Bengaluru to know the influence of various seed amelioration techniques on physiological and biochemical changes of different seed vigour lots in pigeonpea. The results revealed that among seed amelioration treatments $GA_3$ (400 ppm) and IAA+ NAA (150 ppm) are the suitable ameliorating chemicals to improve the physiological and biochemical characteristics in low vigour seeds *viz*., germination, seedling length, seedling dry weight, seedling vigour index, total dehydrogenase activity and amylase activity.

**Key Words :** Pigeonpea (*Cajanus cajan* L.), seed amelioration, physiological, biochemical characteristics, germination, seedling length, seedling dry weight, seedling vigour index, total dehydrogenase activity.