

SHORT COMMUNICATION

Impact of biofertilizers on growth, yield and nutritional composition of Coriander (*Coriandrum sativum* L.)

M. Yasmin Taj¹, S. Shanmugam^{2*} and E. Mohan²

¹Department of Microbiology, Ambiga College of Arts and Science for Women, Anna Nagar, Madurai-625020, Tamil Nadu, India

²Post Graduate and Research Department of Botany, Thiagarajar College, Teppakulam, Madurai-625009, Tamil Nadu, India

*Email: shanmugambotany@gmail.com

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ABSTRACT

Organic farming benefits greatly from the use of biofertilizers because they are affordable, environmentally friendly and quickly increase soil fertility. Eight treatments were undertaken to evaluate the impact of *Azospirillum brasilense*, *Pseudomonas putida* and *Brevibacillus brevis* on the growth, yield and nutritional characteristics of coriander. The study used a Randomized Block Design for its execution. In comparison to the control (T_0), the treatment involving the combined inoculation of *Azospirillum brasilense* + *Pseudomonas putida* + *Brevibacillus brevis* (T_7) exhibited considerably higher collar diameter, plant height, leaf count, fruit count, fresh weight of leaves & fruits and various nutrition. The enhanced intake of nitrogen, phosphorus and other critical nutrients for coriander growth may be the cause of the increases in growth & yield parameters and nutritional composition in treatments with biofertilizers.

Keywords: Biofertilizers, coriander, growth, nutrients, yield