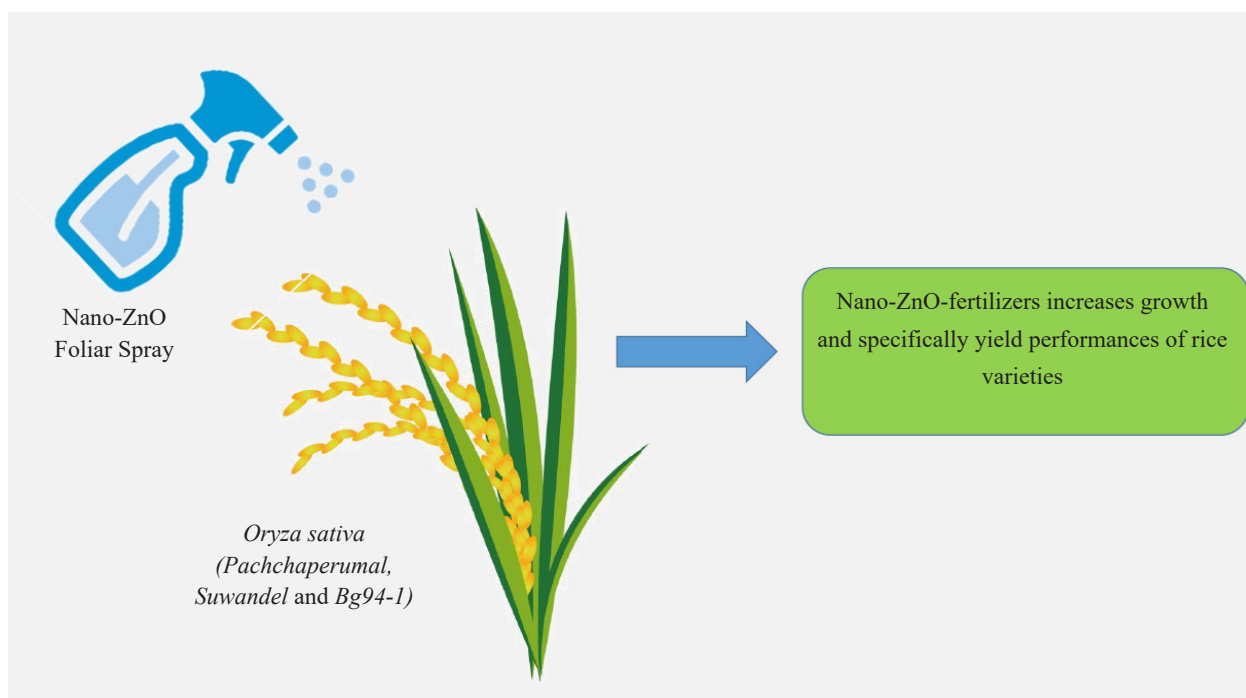


The impact of nano-ZnO foliar fertilizer on growth and yield of cultivated rice (*Oryza sativa* L.) varieties in Sri Lanka

S. Somaratne, S.R. Weerakoon*, N. Karthikeyan and D.S.P. Munasinghe



Highlights

- There was a significant effect of nano-ZnO-fertilizer on yield parameters than growth parameters of the three rice varieties.
- The varietal responses to the applied nano-ZnO-fertilizer varied and higher responses were observed in inbred *Bg94-1*.
- The performances between the two traditional varieties, *Pachchaperumal* and *Suwandel* were more or less similar.
- Weight of 100-seed of *Suwandel* treated with nano-ZnO 120 mg L⁻¹ was prominent.
- Foliar application of nano-ZnO-fertilizers increases growth and specifically yield performances of rice varieties under consideration.