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Role of biofertilizers in achieving sustainability in crop production

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The term "sustainable agriculture" means an integrated system of plant and animal production practices focusing on site-speci c application of inputs that will satisfy food, feed and ber needs in the long-run and improves the quality of life for farmers and society as a whole [1]. Long term application of syntheti chemical fertilizers possesses adverse e ects on the environment such as chemical accumulation in the air water; and also harms the soil health, decreases soil water holding capacity, increases salinity and disparit soil nutrients. Furthermore, there is imperative need to combat these social issues of increasing food instabil availability and nutritional insecurity through cost-e ective, environment-friendly and socially acceptable agricultural options. Consequently, biofertilizers were opted to somehow reduce the adverse impact of lo soil fertility, the impact of environmental stress and the e ect of bioticscnd (s a)9 (n)kd di(g-r)-10(er)-9in

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Biography

Pragati Yadav is from Department of Agronomy, Chaudhary Charan Singh Haryana Agricultural University, Haryana, India. Her research interests are nutrient management, biofertilizer application, incorporation of organic sources of nutrients in crop production, pulses production and crop management practices in relation to improve soil fertility and physical condition. She had done post-graduation with specialization in nutrient management of greengram under organic farming. She has been pursuing doctorate and working on the signiýcance of nanofertilizers in crop production in view to reduce the bulky chemical fertilizer application. She has published few articles in national journals and magazines; and wrote few book chapters also.

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