

Biofertilizers Technology



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Blurb

Rice based cropping system is the major cropping system practised in India which includes the rotation of crops involving rice, pulses, oil seeds, cotton, sugar cane, green manures etc., The rice based cropping system offers lot of scope for the effective utilization of a wide range of biofertilizers such as Azolla, BGA, Azospirillum, Rhizobium Gluconacetobacter diazotrophicus and other heterotrophic N₂ fixing bacteria which help to increase the yield by reducing the cost of cultivation. It thus has dual advantages of being sustainable without endangering the environment and being highly cost effective. This book Biofertilizer Technology for Rice Based Cropping System deals with the current developments in the basic and applied aspects of biofertilizers used in the rice based cropping including the novel endophytic diazotrophs viz., Azorhizobium caulinodans, Gluconacetobacter diazotrophicus, Pink Pigmented Facultative Methylootrophs (PPFM) etc. The role of P, Z₁ and Si solubilizers in the nutrient dynamics of the rice ecosystem has also been covered. The strategies for production and distribution of quality inoculants for rice based cropping system has been given due importance with a focus on the molecular approaches for rapid and reliable quality control of biofertilizers. This book can be considered as a monograph on the usage of biofertilizers in rice based cropping system. It will be very useful for the scientists, researchers, students and extension workers involved in the management of crops in rice based cropping system .

Foreword

Dr. Panjab Singh

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Table of Contents

SECTION – I CYANOBACTERIAL BIOFERTILIZER

1. Biological fertilizers for sustainable production in rice based cropping system - *S. Kannaiyan*
2. Recent phycotechnological advances concerning bio-N fertilization of rice - *A. Vaishampayan*
3. Certain recent developments in using cyanobacterial biofertilizers - *V. Gayathri, S.R. Murugesan, G. Selvi, N. Anand*
4. Cyanobacterial biofertilizer technology - *B.D. Kaushik*
5. Growth response and nitrogen fixation of rice field cyanobacteria to pesticides- *J.K. Sahu and S.P. Adhikary*
6. Growth, nitrogen fixation and extracellular amino acids of cyanobacteria from rice fields at different temperatures - *H. Nayak and S.P. Adhikary*
7. Effect of phyto-extracts harbouring insecticidal property on growth and nitrogen fixation of cyanobacteria - *M.N. Jha, A.N. Prasad and S.K. Mishra*
8. Effect of physico-chemical parameters on akinete differentiation and germination and its application in biomass production in *Anabaena* sp. - *M. K. Shivaprakash, Vidya Kulkarni and Binu Koshy*
9. Cyanobacterial biofertilizers for problem soils - *G. Gopaldaswamy*
10. Assessment of growth and biomass production by cyanobacteria isolated from different soil environments - *G. Selvakumar, G. Gopaldaswamy and S. Kannaiyan*
11. Characterisation of potential cyanobacterial strains for biofertilizer and their effect on paddy. - *Chhaya D. Saboji and G.S. Geeta*
12. Potential of coir waste based BGA fertilizer for paddy cultivation - *P. Malliga*
13. A new approach for inoculating cyanobacteria for rice cultivated in sodic soils - *P. Pandiyarajan and P. Nagarajan*

SECTION - II AZOLLA BIOFERTILIZER

14. Mineralization pattern of nitrogen fixing green manures *Sesbania rostrata* and *Azolla microphylla* in wetland rice soil ecosystem and their effect on rice - *S. Sundaravarathan and S. Kannaiyan*
15. Estimation of biological nitrogen fixation by ¹⁵N isotope technique - *K. Arulmozhiselvan*
16. Effect on biofertilizers with graded levels of nitrogen on lowland rice and its carryover effect on succeeding crop of rapeseed - *L.N.*

Singh

17. Effect of integrated nutrient management in rice – wheat cropping system in western Maharashtra - S.G. Gholve, S.K. Kamble and S.N. Shinde
18. Impact of *Azolla* biofertilizer on rice yield in Hirakud command areas of Orissa - K.C. Samal
19. Effect of *Azolla* biofertilizer on the growth and yield of rice in Coastal Karnataka - N.A. Janardhana Gowda, A.S. Kumaraswamy T.R. Guruprasad and P.S. Herle
20. Performance of cyanobacterial and *Azolla* bioinoculants in rice in Coimbatore and Erode Districts of Tamil Nadu - P. Yasotha, K. Kumar and S. Kannaiyan
21. A new method for intercropping of *Azolla* in coconut gardens - R. Venkataswamy
22. *Azolla* - a sustainable feed substitute for livestock with special emphasis on silpauline based production and feeding technique - P. Kamalasanan Pillai, S. Rajamony and S. Premalatha

SECTION - III AZOSPIRILLUM BIOFERTILIZER

23. Studies on *Azospirillum* associated with rice varieties - K. Govindarajan and K. Kavitha
24. Effect of *Azospirillum* inoculation on rice grown in acidic soils of Kerala - M. Govindan and C.K. Yamini Varma
25. *Azospirillum* – A biofertilizer for rainfed transplanted rice - K. Manjappa
26. Response of winter rice (Rabi) to inorganics and biofertilizers applications - P.M. Shanmugam, A. Balasubramanian and P.C. Prabu

SECTION - IV RHIZOBIUM BIOFERTILIZER

27. Symbiotic nitrogen fixation in legumes associated with rice cropping systems - J. Prabakaran and M. Rangarajan
28. Induction of desiccation tolerance in greengram rhizobia - K. Kumutha, J. Sempavalan and K. Vijila
29. Formulation of stress tolerant bio-inoculants for rainfed cropping system - S.B. Gupta, K. Tedia, A. Singh, Anurag, N. Lakpale, Anjali Pal and P.K. Chhonkar
30. Field evaluation of liquid and carrier based rhizobial inoculants in redgram - S. Gunasekaran, D. Balachandar and K. Mohana Sundaram
31. Studies on synergism between *Rhizobium*, plant growth promoting Rhizobacteria (PGPR) and phosphate solubilizing bacteria in blackgram - S. Gunasekaran, D. Balachandar and K. Mohana Sundaram

SECTION - V ENDOPHYTIC DIAZOTROPHS

32. Harnessing stem nodule nitrogen fixing system for lowland rice - M.D. Sundaram
33. Induction of lateral rootlet formation, systemic translocation and endophytic colonization of *Azorhizobium caulinodans* ORS 571-IK-SK-M4 by its combined inoculation with *Agrobacterium rhizogenes*. - I. Kannan and S. Kannaiyan
34. Effect of seed inoculation of *Azorhizobium caulinodans*, *Azospirillum brasilense* and *Pseudomonas fluorescens* on their survival in the spermosphere and rhizosphere of cereal crops. - K. Amutha and S. Kannaiyan
35. Induction of nodulation in rice using *Azorhizobium caulinodans* under pot cultures conditions - K Amutha and S. Kannaiyan
36. Endophytic nitrogen fixation by *Gluconacetobacter diazotrophicus* in sugarcane - M. Thangaraju
37. Occurrence of pink-pigmented facultative methylotrophic bacteria in tropical plants - M. Madhaiyan, Sp. Sundaram and S. Kannaiyan
38. Studies on pink-pigmented facultative methylotrophic bacteria on *Glycine max* - M. Madhaiyan, Sp. Sundaram and S. Kannaiyan
39. Effect of pink- pigmented facultative methylotrophic bacterial isolates on the cotton seed quality - M. Madhaiyan, Sp. Sundaram and S. Kannaiyan

SECTION - VI MICROBIAL SOLUBILIZATION & MOBILIZATION OF NUTRIENTS

40. A new mixed bioinoculum –‘azophos’ - K. Premalatha, P. Subramanian and S. Anthoni Raj
41. Soil solution phosphorus status and myco-rhizal inoculation efficiency of selected tropical grain legumes in an alfisol - D. Pragatheswari, A. Manjunath, M. Madhaiyan and K. Kumutha
42. Effect of inoculation with vesicular arbuscular mycorrhizal (VAM) fungus (*Glomus mosseae*) on selected tropical grain legumes - D. Pragatheswari, A. Manjunath and M. Madhaiyan
43. Screening of AM fungi for efficiency on growth and biochemical constituents of mulberry - K. Kumutha, Sp. Sundaram, J. Sempavalan and P. Santhanakrishnan
44. Effect of insoluble phosphate and dual inoculation on soybean - K. Kumutha, J.Sempavalan and P. Santhanakrishnan
45. Development of pellet formulation of sulphur oxidizing bacterium (SOB) for groundnut - R. Anandham and R. Sridar
46. Use of sulphur bacteria for increased yield and oil content of groundnut - R. Anandham and R. Sridar
47. Solubilization of silicate and concurrent release of phosphorus and potassium in rice ecosystem - S. Anthoni Raj
48. Isolation and characterization of zinc sol-ubilizing bacteria (ZSB) from paddy soil - V.S. Saravanan and S. Anthoni Raj

SECTION - VII OTHER BIOINOCULANTS

49. Cloning of new *Bacillus thuringiensis* genes for management of rice pests -V. Udayasuriyan, K. Lenin, M. Asia Mariam and M. Bharathi

50. Studies on the effect of *Fusarium* culture filtrate on paddy seedling development - *K. Jeyaram, K. Govindarajan and S. Kannaiyan*

SECTION - VIII QUALITY CONTROL OF BIOFERTILIZERS

51. Quality control and constraints in biofertilizer production technology - *D.J. Bagyaraj*

52. Current advances in production and quality control of rice based biofertiliser - *R.N. Bisoyi*

53. Importance of quality control in biofertilizers - *M. Thangaraju*

54. Molecular techniques for checking genetic purity of strains in the cyanobacterial inoculums - *K. Kumar*

55. Evaluation of nitrogen fixing potential, ammonia excretion and protein content of the cyanobacterial isolates under laboratory conditions for developing quality control standards for cyanobacterial biofertilizers - *B. Jeberlin Prabina, K. Kumar and S. Kannaiyan*

56. Growth pattern and chlorophyll content of the cyanobacterial strains for their utilization in the quality control of cyanobacterial biofertilizers. - *B. Jeberlin Prabina, K. Kumar and S. Kannaiyan*

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