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CURRENT PLANT SCIENCE AND BIOTECHNOLOGY IN AGRICULTURE

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before purchasing it in order to gage whether or not it would be worth my time, and all praised Nitrogen Fixation: Fundamentals and Applications: Proceedings of the 10th International Congress on Nitrogen Fixation, St. Petersburg, Russia, May ... Science and Biotechnology in Agriculture):

Nitrogen fixation research is presented as a rapidly developing, synergistic area of modern science, using the methods of, and accumulating data from, many fundamental branches of biology and chemistry. These include catalytic mechanisms, protein structure and function, molecular organization of genes and the regulation of their activities, biochemistry of plants and microorganisms, the signalling and surface interactions between organisms, microbial taxonomy and evolution, formal and population genetics, and ecology. The relationships between biological nitrogen fixation research and different branches of applied biology are addressed and analyzed, such as: the monitoring of genetically engineered microorganisms, selection of plant-associated microbes, plant breeding, increasing the protein content of crops, providing ecologically safe food production, and diminishing the chemical pollution of the environment. Immediate impacts and long-term prospects for nitrogen fixation research are presented: both fundamentals and applications.

` ... the text is unusually crisp and clear, making it exceptionally readable ... a valuable resource ... will be a good point to begin exploring the entire topic ... I highly recommend this book as a valuable resource for any research library and for the serious researcher in nitrogen fixation. In my opinion, it is the type of book that one would go back to and always be able to discover something new.' Soil Science, 162:2 (1997)