

The configuration of *Volume 9* of the *International Treatise Series* has been done absolutely due to commendable contributions from World Scientists of eminence in unambiguous fields. Amazingly, within the time span of nine years, now this treatise has been duly recognized through ISI Web of Knowledge. *Current Contents* in the hearts of distinguished readers and has beyond doubt achieved the international status. This programme has been undertaken with a view to reinforce the identical efforts to recognize the outcome of meticulous research in some of the very sensible and stirring areas of **Molecular Physiology & Biology of Plants**. In order to sustain and further advance *Plant Physiology*, it is dedicated to continue the originality and the introduction of spanking new ideas, ensure that the treatise welcomes the best science done across the full extent of modern plant biology, in general, and plant physiology, in particular, persevere on advancing the quality of what is published, place high value on the quality of production, and be highly attentive and responsive to the rapidly changing face of academic publishing. In spite of hardness of quick accessibility of vast literature from internet, this treatise series in the field of life sciences has been realized over and above to be like a true guide, friend and philosopher, everlastingly enlightening the most hidden perceptible nerves of an individual worker, which is beyond the competence of mere web service. In *Volume 9*, with inventive applied research, attempts have been made to bring together much needed **twenty review articles by Forty-six contributors** from Australia, Belgium, France, Germany, India, Italy and Spain dispersed duly evaluated by the respective Consulting Editors of international stature from *India, U.K., U.S.A., Argentina, Australia, France, Germany, Japan, Spain, Portugal, Israel, and Morocco* and rationally disseminated in *Nine Sections*. Creditably in this volume, over ten important reviews belong to the field of *Environmental Stresses* besides covering significant areas of research.

In reality the treatise is prosperity for interdisciplinary exchange of information. Apart from fulfilling the firm need of this kind of exclusive edition in different volumes for research teams and scientists engaged in various facets of research in Molecular Physiology and Biology of Plants in traditional and agricultural universities, institutes and research laboratories throughout the world, it would be extremely a constructive book and a voluminous reference material for acquiring advanced knowledge by post-graduate and Ph.D. scholars in response to the innovative courses in *Plant Physiology, Plant Biochemistry, Plant Molecular Biology, Plant Biotechnology, Environmental Sciences, Plant Pathology, Microbiology, Soil Science & Agricultural Chemistry, Agronomy, Horticulture, and Botany*.



Dr. A. Hemantaranjan, Editor-in-Chief, *Advances in Plant Physiology Series*, is Associate Professor in the Department of Plant Physiology, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, India as well as *Fellow, Indian Society for Plant Physiology (ISPP)*. He has been conducting and guiding research for the last twenty-eight years in the area of plant micronutrients and growth regulators with crops under normal and stress situations in various capacities under the U.G.C., C.S.I.R. and as University Teacher. In 1988, he became the recipient of "Research Scientist A Award" conferred on him by the University Grants Commission, Govt. of India. Over 75 of his research papers and review articles/book chapters are globally published in journals/treatise of international repute including proceedings of international/national symposia and recurrently cited world over especially in international journals including *Annual Review of Plant Physiology*. He is the recipient of a number of advanced trainings related to plant sciences, in general, and plant mineral

nutrition, in particular. He was one of the active organizers of the *International Conference on Plant Physiology, 1991* sponsored by Indian Society for Plant Physiology, New Delhi and Association of Plant Physiologists of SAARC Countries in the year 1991. In addition, he has been delivering invited lectures/guest lectures, presenting research papers and taking part in scientific deliberations, etc. in numerous scientific gatherings organized by the universities in India and abroad. In 1987, he presented three valuable research papers in the *Fourth International Iron Symposium* and actively participated in the *Round Table Discussion* on invitation at the University of New Mexico, Albuquerque, U.S.A. amongst one of the three Indian Scientists. In 1994, he delivered an invited lecture in the *Sixth International Trace Element Symposium* at the University of Horticulture, Budapest, Hungary and also visited University of Wien, Vienna, Austria, in this connection. Besides the publication of this international treatise series on *Advances in Plant Physiology*, he has also published treatises on "Advancements in Iron Nutrition Research" and "Advancements in Micronutrient Research" in the years 1995 and 1996 respectively. Recently, he has also published a book on "Developments in Physiology, Biochemistry and Molecular Biology of Plants" as an Associate Editor. In addition, he is the Expert Member of Board of Studies of one of the reputed Agricultural Universities of India and Life Member of many Indian and overseas Learned Bodies in Biology and Agriculture. He has also acted as the Consulting Editor, *Indian Journal of Plant Physiology, Indian Journal of Pulse Research, Legume Research (An International Journal), Agricultural Research Communication Centre, etc.*



**SCIENTIFIC
PUBLISHERS (INDIA)**
www.scientificpub.com



ISBN 81-7233-459-1

