

## **TECHNIQUES IN** BIOPRODUCTIVITY PHOTOSYNTHES



### **Sponsored by the United Nations Environment Programme**

Editors: J Coombs, Berkshire, UK and D O Hall, King's College, University of London, UK

This is a practical manual which describes the techniques that are vital to an understanding of photosynthesis and bioproductivity. The book has evolved as a by-product of a training programme, sponsored by the United Nations Environment Programme, to provide scientists from developing countries with the necessary skills to enable them to measure plant productivity both in a laboratory and in the field.

The book does not set out to be all inclusive, or to be a lecturers handbook, but rather reflects the interactions between the students and the lecturers on the courses, covering the areas of study in which the students have had the greatest interest or desire to learn. It will, however, prove of immense practical value to anyone involved in the study of photosynthesis, whether in relation to energy or biomass production.

### Contents

Part I: Field Photosynthesis. Whole plant synthesis and productivity. Shoot morphology and leaf anatomy. Algae: growth techniques and biomass production. Part II: Biochemical Aspects and Laboratory Work. Carbon metabolism. An experiment to test quantitative techniques. Chloroplasts and protoplasts. Photosynthetic energy conversion. Fixation and assimilation of nitrogen. Isolation of enzymes. Biomass facts and figures.

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Proceedings of the 5th International Congress, Kyoto, Japan, 29 August - 4 September 1982

**Editor-in-Chief:** J MIYAMOTO, Sumitomo Chemical Co Ltd, Takarazuka, Japan

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W C Dauterman. TOXICOLOGY OF PESTICIDES AND
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Proceedings of the 4th International Congress of Pesticide Science, Zurich, Switzerland

Editors: H GEISSBÜHLER, Ciba-Geigy Ltd, Basle, Switzerland, P C KEARNEY, USDA, Bethesda, Maryland, USA and G T BROOKS, University of Sussex, Brighton, UK.

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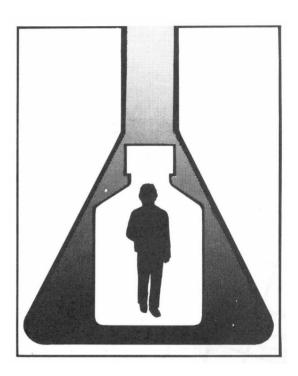
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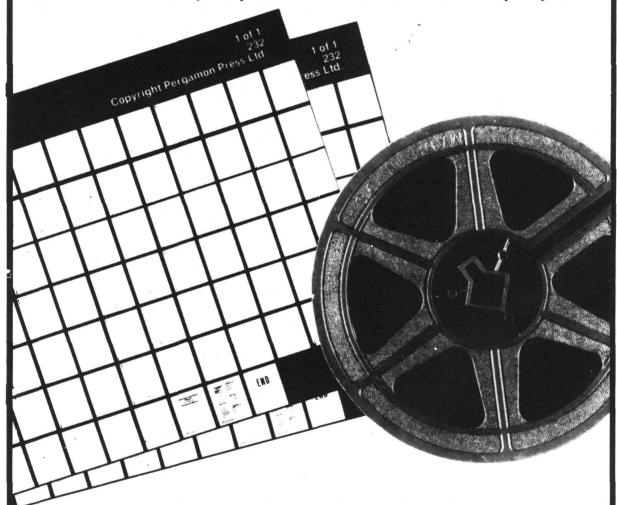


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### Insect Science and its Application

The International Journal of Tropical Insect Science

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A distinctive feature of the journal is its multi- and interdisciplinary nature, which transcends the traditional boundaries of entomology.

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ISSN 0191-9040