

**PS2001 Proceedings. 12<sup>th</sup> International Congress on Photosynthesis.** - CSIRO Publishing, Collingwood 2001. AUD 250.00. ISBN 0 643 06711-6.

Unlike Proceedings of previous congresses on photosynthesis, the 12<sup>th</sup> International Congress on Photosynthesis (held in Sydney, Australia, on 18-23 August 2001) appeared only on electronic media without any paper edition. So, the reader can obtain access to the complete PS2001 Proceedings on CD-ROM and online as searchable *pdf* files. Besides information on plenary and symposium papers (reader can print the full paper), useful is rapid search of authors' names, subject items, and plant names.

The symposium papers are arranged in 7 fields of interest:

1. Antennae (structure, function and diversity of antennae, chlorophylls and carotenoids, photoprotection and acclimation, gene regulation and assembly of pigment protein complexes).
2. Reaction centres (photosystems 2 and 1 structure and function, bacterial reaction centres, photoinactivation of photosystems, evaluation of antennae and reaction centres).
3. Electrons, protons, and ATP (oxygen evolution: OEC structure and function, electron transfer between and around reaction centres, proton transfer, protein relaxation, ATP synthesis, photosynthesis and respiration).
4. Reductions (ribulose-1,5-bisphosphate carboxylase/oxygenase, C4 metabolism, crassulacean acid metabolism, carbon concentrating mechanisms, alternative electron sinks, C/N interactions).

5. Integration from organelle to cell and to leaf (secondary metabolism, protein trafficking and assembly, signal transduction, transporters, metabolites, stomatal regulation, leaf as a productive unit, respiration in the light).

6. Ecology and environment (corals: light and stress, marine carbon fluxes, terrestrial carbon fluxes, carbon fluxes in agriculture, vineyard assimilation, temperature stress, biotic stress).

7. Biotechnology, education and historical aspects (hydrogen production, photosynthetic biomimetics, yield transgenics, chloroplast factory transgenics, genomics in photosynthesis, getting the message across, historical contexts, new developments).

Thus, the Proceedings provide a timely overview of current areas of photosynthesis research. The CD-ROM with the additional software is surely a useful guide through recent activities in photosynthesis research.

Access to the complete PS2001 Proceedings is available from CSIRO Publishing, PO Box 1139, 150 Oxford Street, Collingwood, VIC. 3066, Australia.

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The next, 13<sup>th</sup> International Congress of Photosynthesis, will take place in the Palais des Congrès de Montréal, Montréal, Québec, Canada, on 29<sup>th</sup> August - 3<sup>rd</sup> September 2004. What kind of improvement can we await?

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