

INTERNATIONAL PHYCOLOGICAL SOCIETY

G.F. PAPPENFUSS POSTER AWARD WINNERS

First International Phycological Congress (St. John's, Newfoundland, 8-14 August 1982)

R.E. DeWreede. *In situ* studies on *Pterygophora californica* Rupr.

Second International Phycological Congress (Copenhagen, 5-9 August 1985)

Laura Talarico. Ultrastructural characterization of subunits and aggregates of R-phycoerythrin (RPE) from the red alga *Acrochaetium sagraenum*.

Third International Phycological Congress (Melbourne, 14-20 August 1988)

Yoshiaki Hara and Mitsuo Chihara. Ultrastructural and systematic relationships in unicellular red algae (Rhodophyta).

Fourth International Phycological Congress (Durham, North Carolina, August 1991)

Not available.

Fifth International Phycological Congress (Qingdao, 26 June - 2 July 1994)

Category 1. Ecology and Biogeography

Y.S.D.M. de Jong. Historical geography of North Atlantic seaweeds.

Category 2. Physiology and Biochemistry

L. Axelsson, C. Larsson, and H. Ryberg. Two mechanisms for bicarbonate assimilation in green macroalgae. I. Identification and regulation in *Ulva lactuca*.

Category 3. Systematics, Morphology, and Ultrastructure

C. Andreoli, A. Foltran, N. Rascio, and L.R. Scarabel. Ultrastructural and cytochemical study of *Plocamium cartilagineum* (L.) Dixon

Sixth International Phycological Congress (Leiden, 9-16 August 1997)

Category 1. Algae and Human Affairs

A. G. J. Buma, N. de Bakker and W. W. C. Gieskes. On the occurrence of ultraviolet-B induced DNA damage in Antarctic marine organisms.

Category 2. Cells and Molecules

V. Lumbreras, D. Stevens and S. Purton. Factors influencing trans-gene expression in *Chlamydomonas*.

Category 3. Ecology

E. A. Serrão, L. Kautsky, T. Lifvergren and S. Brawley. Gamete dispersal and pre-recruitment mortality in Baltic *Fucus vesiculosus*.

Category 4. Evolution (two winners)

G. O. Edwards, J. A. Callow and C. Brownlee. Cross-fertilization in *Fucus*: a molecular approach.

M. Kamiya, J. A. West, R. J. King, G. C. Zuccarello, J. Tanaka and Y. Hara. Evolutionary differentiation among worldwide populations of *Caloglossa* species (Ceramiales, Rhodophyta).

Seventh International Phycological Congress (Thessaloniki, 18-25 August 2001)

Category 1. Systematics

W.A. Nelson, J.E. Broom, T.J. Farr, and W.A. Jones. Convergent morphologies, obscure relationships and diversity in New Zealand Erythropeltiales and Bangiales.

Category 2. Cellular and Molecular Biology

Chikako Nagasato and Taizo Motomura. Function of the centrosome for mitosis and cytokinesis in brown algal cells.

Category 3. Physiological and Ecological Interactions

Gareth A. Pearson, Carla S.B. Viegas, Ester A. Serrão, and M. Leonor Cancela. Plastid genes and gene expression in the intertidal alga *Fucus vesiculosus* L. (Heterolontophyta, Phaeophyceae).

Category 4. Algae and Human Affairs

Britta Schaffelke, Nicole Murphy & Sven Uthicke. *Caulerpa taxifolia* in Australia - using genetic tools to explore sources of putative introductions.

Eighth International Phycological Congress (Durban, South Africa, August 2005)

S. Ota, K. Ueda, and K. Ishida "Taxonomy and an interesting post-cell division behavior of a newly isolated chlorarachniophyte strain";

C. Blake, D. Booth, J. Provan, C. Maggs and M. Dring "Coralline algae as a source of ceramics";

R. Raniello, E. Mollo, M. Lorenti, C. Brunet, M. Gavagnin, and M.C. Buia "Caulerpa racemosa versus Cymodocea nodosa: photosynthetic adaptation and chemical interaction";

T. Nakayama and K. Ishida "Another primary endosymbiosis? Origin of Paulinella chromatophora cyanelles".

Ninth International Phycological Congress (Tokyo, Japan 2-8 August 2009)

Category 1. Phylogeny and Taxonomy.

Takeshi Nakayama, M. Sato, H. Yamaguchi and I. Inouye
"Diversity of the biosocioids: implication to the evolution of the stramenopiles"

Category 2. Gene structure, Physiology and Evolution.

Hideya Fukuzawa, Y. Yamahara, H. Nakano, S. Ozawa and Y. Takahashi
"Structure and function of CCM1 complex controlling CO₂-concentrating mechanism in a green alga *Chlamydomonas reinhardtii*"

Category 3. Ecology and Ecosystems

Mayumi Veda, Y. Nomura, T. Kadoe and D. Honda
"Biomass and seasonal succession of thraustochytrids (Stramenopiles, Labyrinthulomycetes)"

Category 4. Applied Phycology and Education

Thomas Wichard and W. Oertel
"Gametogenesis and gamete release of *Ulva mutabilis* and *Ulva lactuca* (Chlorophyceae)"

(Prepared by A.K.S.K.Prasad)

January 2011