

G.F. PAPENFUSS 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)

Data not available.

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

Ecology and Biogeography

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

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*.

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)

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.

Cells and Molecules

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

Ecology

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

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)

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.

Cellular and Molecular Biology

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

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).

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)

TYGE CHRISTENSEN PRIZE WINNERS

1999 (Best microalgal paper published in *Phycologia* during 1997 and 1998)

A. Larsen and B. Edvardsen

"Relative ploidy levels in *Prymnesium parvum* and *P. patelliferum* (Haptophyta) analyzed by flow cytometry" [*Phycologia* 37: 412-424 (1998)].

2000 (Best macroalgal paper published in *Phycologia* during 1997, 1998, and 1999)

Giuseppe C. Zuccarello, John A. West, and Robert J. King

"Evolutionary divergence in the *Bostrychia moritziana/B. radicans* complex (Rhodomelaceae, Rhodophyta): molecular and hybridization data" [*Phycologia* 38: 234-244 (1999)]

2001 (Best microalgal paper published in *Phycologia* during 1999 and 2000)

Bente Edvardsen, Wenche Eikrem, J.C. Green, Robert A. Andersen, Seung Yeo Moon-van der Staay, and Linda K. Medlin

"Phylogenetic reconstructions of the Haptophyta inferred from 18S ribosomal DNA sequences and available morphological data" [*Phycologia* 39: 19-35 (2000)].

2002 (Best macroalgal paper published in *Phycologia* during 2000 and 2001)

Katrin Iken, Charles D. Amsler, Stephen P. Greer, and James B. McClintock

"Qualitative and quantitative studies of swimming behaviour of *Hincksia irregularis* (Phaeophyceae) spores: ecological implications and parameters for quantitative swimming assays" [*Phycologia* 40:359-366 (2001)]

2003 (Best microalgal paper published in *Phycologia* during 2001 and 2002)

Susan I. Blackburn, Christopher J.S. Bolch, Kathryn A. Haskard, and Gustaaf M. Hallegraeff

"Reproductive compatibility among four global populations of the toxic dinoflagellate *Gymnodinium catenatum* (Dinophyceae)" [*Phycologia* 40: 78-87 (2001)]

2004 (Best microalgal paper published in *Phycologia* during 2002 and 2003)

Sigrid Berger, Ulrike Fettweiss, Stefan Gleissberg, Larry B. Liddle, Ursula Richter, Heiko Sawitzky, & Giuseppe Zuccarello, for their paper "18S rDNA phylogeny and evolution of cap development in Polyphysaceae (formerly Acetabulariaceae; Dasycladales, Chlorophyta)" *Phycologia* 42: 506-561 (2003)

2005 (Best microalgal paper published in *Phycologia* during 2003 and 2004) Two papers shared the prize.

Kristen Milligan & Robert DeWreede

"Morphological variations do not effectively reduce drag forces at high wave-exposure for the macroalgal species *Hedophyllum sessile* (Laminariales, Phaeophyta)". *Phycologia* 43, 236-244 (2004)

Linda Medlin & Irena Kaczmarska

"Evolution of the diatoms: V. Morphological and cytological support for the major clades and a taxonomic revision". (*Phycologia* 43, 245-270 (2004)

2006 (Best microalgal paper published in *Phycologia* during 2004 and 2005) Two papers shared the prize

Takeshi Nakayama, Masaki Yoshida, Mary-Hélène Noel, Masanobu Kawachi, Isao Inouye.

"Ultrastructure and phylogenetic position of *Chrysoculter rhomboideus* gen. et sp. nov. (Prymnesiophyceae), a new flagellate haptophyte from Japanese coastal waters" (*Phycologia* (2005) Volume 44 (4), 369–383 (2005)

2007 (Best microalgal paper published in *Phycologia* during 2005 and 2006) Two papers shared the prize

Susanne Renninger, Carol L. Dieckmann, and Georg Kreimer

"Toward a protein map of the green algal eyespot: analysis of eyespot globule-associated proteins". *Phycologia* 45: 199- (2006)

Patricia A. Sims, David. G. Mann and Linda K, Medlin “Evolution of the diatoms: insights from fossil, biological and molecular data”. *Phycologia* 45 (4), 361-402 (2006)

2008 (Best microalgal paper published in *Phycologia* during 2006 and 2007) Two papers shared the prize

Kerstin Hoef-Emden (2007)” Revision of the genus *Cryptomonas* (Cryptophyceae) II: incongruences between the classical morphospecies concept and molecular phylogeny in smaller pyrenoid-less cells”. *Phycologia* 46: 402-428 (2007).

Nicolas Cassar,¹ and Edward A. Laws² (2007) “Potential contribution of β -carboxylases to photosynthetic carbon isotope fractionation in a marine diatom”. *Phycologia* 46: 307-314 (2007).

