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- The Journal of Applied Phycology uses only metric (SI) units. This includes the use of the metric tonne (the abbreviation is “t”)
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- Units must be written using the exponential format: i.e. mg L^{-1} not mg/L
- The correct unit for irradiance is **$\mu\text{mol photons m}^{-2} \text{s}^{-1}$** (note this is the same as is $\mu\text{E m}^{-2} \text{s}^{-1}$ but the use of Einsteins is discouraged). The irradiance is assumed to be measured over the PAR range (i.e. 400 – 700 nm), and if not, please indicate this clearly. Lux is not a unit of irradiance, but of illuminance. and is not very useful in plant sciences. Although lux can be converted to mol photons this conversion is dependent on the light source and is only very approximate.

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- Names of chemical compounds follow the *Chemical Abstracts* (Chemical Abstract Service, Ohio State University, Columbus) and its indexes.
- Biochemical terminology, including abbreviations and symbols, follows the recommendations of the *IUPAC-IUB Commission on Biochemical Nomenclature*.
- For summaries of the abbreviations consult *Journal of Biological Chemistry*, *Archives of Biochemistry and Biophysics* and the *Handbook of Biochemistry* (H.A. Sober, Chemical Rubber Company, Cleveland, latest edition).

Statistics & Error Bars

When indicating the variation in data (i.e. mean \pm ????) always indicate clearly what the numbers after the \pm indicate (i.e. standard error, standard deviation, range, confidence interval etc) and also indicate what is *n*, the number of samples used to calculate these. This is particularly important in Tables and Figures. It is essential that *n* (the number of independent results) is carefully distinguished from the number of technical replicates, which refers to repetition of measurement on one individual in a single condition, or multiple measurements of the same or identical samples.

An excellent paper on the correct use of error bars is: Cumming G, Fidler F, Vaux DL (2007) Error bars in experimental biology. *J Cell Biol* 177: 7-11. <http://jcb.rupress.org/content/177/1/7.full>

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Examples: Oswald (1989, p. 204) (Oswald, 1989 a,b) (Oswald, 1989; Richmond et al., 2001) (Hall and Jensen, 1990)

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Acknowledgements

Acknowledgements of people, grants, funds, etc. should be placed in a separate section before the References.

References

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Books

Lobban CS, Harrison PJ (1994) *Seaweed Ecology and Physiology*. Cambridge University Press, Cambridge, UK. 366 pp.

Edited Books

Suggett DJ, Prášil O, Borowitzka MA (eds) (2010) *Chlorophyll a fluorescence in aquatic sciences: methods and applications*. Springer, Dordrecht. 323 pp.

Articles in edited collection

Vonshak A, Torzillo G (2004) Environmental stress physiology. In: Richmond A (ed) Handbook of microalgal culture: Biotechnology and applied phycology. Blackwell Science, Oxford, pp 57-62.

Journal Articles

Lüning K, Pang S (2003) Mass cultivation of seaweeds: current aspects and approaches. *J Appl Phycol* 15: 115–119.

Li J, Xue L, Yan H, Liu H, Lian J (2008) Inducible EGFP expression under the control of the nitrate reductase gene promoter in transgenic *Dunaliella salina*. *J Appl Phycol* 20: 137-146.

Wayama M, Ota S, Matsuura H, Nango N, Hirata A, Kawano S (2013) Three-dimensional ultrastructural study of oil and astaxanthin accumulation during encystment in the green alga *Haematococcus pluvialis*. *PLoS One* 8:e53618. doi:10.1371/journal.pone.0053618

The correct abbreviations for journal names can be found at http://images.webofknowledge.com/WOK46/help/WOS/A_abrvjt.html

Technical reports or dissertations

Lawlor, HJ (1989) Tissue culture of Australian brown seaweeds and an assessment of their tocopherol content. PhD Thesis, Murdoch University, Perth, Australia.

Internet publications

These should be avoided, however if essential they should include the author's name; year of publication; Internet address; date of access, in the order given in the example below.

Rotblat J Sir (2000) Fifty Pugwash conferences: a tribute to Eugene Rabinowitch. Retrieved from <http://www.pugwash.org/reports/pac/pac256/rotblat.htm> on 22 June 2014.

Patents or patent applications

Boyd MR, 2000. Method of using cyanovirins. USA Patent 6,015,867 (18 January 2000).

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