

## ***Professor Alastair Grant, Publications Since 2000***

### ***Refereed Articles and books.***

- Turner, T.R., K. Ramakrishnan, J. Walshaw, D. Heavens, M. Alston, D. Swarbreck, A. Osbourn, A. Grant and P.S. Poole. 2013. Comparative metatranscriptomics reveals kingdom level changes in the rhizosphere microbiome of plants. *ISME Journal* doi:10.1038/ismej.2013.119
- Sukumaran, S, and A. Grant, 2013. Effects of genotoxicity and their population consequences in sexual and asexual *Artemia* assessed using inter-simple sequence repeats (ISSR). *Mutation Research*. <http://dx.doi.org/doi:10.1016/j.mrgentox.2013.03.015>
- Fernandes, J; Cheung, W; Jennings, S; Butenschön, M; de Mora, L; Frölicher, T; Barange, M; Grant, A, 2013. Modelling the effects of climate change on the distribution and production of marine fishes: accounting for trophic interactions in a dynamic bioclimate envelope model. *Global Change Biology*. DOI: 10.1111/gcb.12231
- Condie, H.M., A. Grant and T.L. Catchpole, *In Press*. Incentivising selective fishing under a policy to ban discards; lessons from European and global fisheries. *Marine Policy*
- Dolorosa, R.G.; Alastair Grant and Jennifer A. Gill. *In Press*. Translocation of Wild *Trochus niloticus*: Prospects for Enhancing Depleted Philippine Reefs. *Reviews of Fisheries Science*
- Dolorosa, R.G.; Alastair Grant; Jennifer A. Gill, Arlene L. Avillanosa and Benjamin J. Gonzales *In Press*. Indoor and Deep Subtidal Intermediate Culture of *Trochus niloticus* for Restocking. *Reviews of Fisheries Science*
- Mossman, H.L., A. Grant and A. Davy, 2013. Implications of climate change for coastal and inter-tidal habitats in the UK. Terrestrial biodiversity climate change impacts report card technical paper. Living With Environmental Change, Swindon.
- Sukumaran, S. and A. Grant., 2013. Differential responses of sexual and asexual *Artemia* to genotoxicity by a reference mutagen: Is the comet assay a reliable predictor of population level responses? <http://dx.doi.org/10.1016/j.ecoenv.2013.01.012>
- Mossman, H.L., A.J. Davy and A. Grant, 2012. Does managed coastal realignment create saltmarshes with 'equivalent biological characteristics' to natural reference sites? *Journal of Applied Ecology*. <http://dx.doi.org/10.1111/j.1365-2664.2012.02198.x>
- Mossman, H.L., A.J. Davy and A. Grant, 2012. Quantifying local variation in tidal regime using depth logging fish tags *Estuarine Coastal and Shelf Science*, 96:122-128. <http://dx.doi.org/10.1016/j.ecss.2011.10.019>
- Davy, A.J., M.J.H. Brown, H. L. Mossman and A, Grant, 2011. Colonisation of a newly developing salt marsh: disentangling independent effects of elevation and redox potential on halophytes. *J. Ecol.*, 99:1350-1357. <http://dx.doi.org/10.1111/j.1365-2745.2011.01870.x>
- Mossman, H.L., M. J. H. Brown, A. J. Davy and A. Grant, 2012. Constraints on salt marsh development following managed coastal realignment: dispersal limitation or environmental tolerance? *Restoration Ecology*. 20:65-75 <http://dx.doi.org/10.1111/j.1526-100X.2010.00745.x>
- Fai, PBA and A. Grant, 2010. An assessment of the potential of the Microbial Assay for Risk Assessment (MARA) for ecotoxicological testing. *Ecotoxicology* 19:1626–1633 <http://dx.doi.org/10.1007/s10646-010-0548-2>
- Allen ZC, N.J. Shah, A. Grant, G.D. Derand and D. Bell, 2010. Hawksbill turtle monitoring in Cousin Island Special Reserve, Seychelles: an eight-fold increase in annual nesting numbers. *Endangered Species Research* 11: 195-200. [Http://dx.doi.org/10.3354/esr00281](http://dx.doi.org/10.3354/esr00281)
- Grant, A., 2010. Detecting ecological effects of pollutants in the aquatic environment. Pp. 147-161, In: Batty, L.C. and Hallberg, K. (eds) *Ecology of Industrial Pollution*. Cambridge University Press, UK.
- Enever, R., A.S.Revill, R.Caslake and A. Grant, 2010. Discard mitigation increases skate survival in the Bristol Channel. *Fisheries Research*, 102:8-15 <http://dx.doi.org/10.1016/j.fishres.2009.09.013>
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- Sese, B. A. Grant and B.J. Reid, 2009. Toxicity of polycyclic aromatic hydrocarbons to the Nematode

- Caenorhabditis elegans*. *Journal of Toxicology and Environmental Health, Part A*: 72, 1-13. <http://dx.doi.org/10.1080/15287390903091814>
- Enever, R., T.L. Catchpole, J.R. Ellis and A. Grant, 2009. The survival of skates (Rajidae) caught by demersal trawlers fishing in UK waters. *Fisheries Research* 97 (2009), 72-76. <http://dx.doi.org/10.1016/j.fishres.2009.01.001>
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- Patricia Bi Fai, Alastair Grant, 2009. A comparative study of *Saccharomyces cerevisiae* sensitivity against eight yeast species sensitivities to a range of toxicants *Chemosphere*, 75 (2009) 289-296 <http://dx.doi.org/10.1016/j.chemosphere.2008.12.059>
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- Gui, Y. and A. Grant. 2008. Joint effects of density dependence and toxicant exposure on *Drosophila melanogaster* populations. *Ecotoxicology and Environmental Safety*. 70:236-243
- Ogilvie, L.A. and A. Grant, 2008 Linking pollution induced community tolerance (PICT) and microbial community structure in chronically metal polluted estuarine sediments. *Marine Environmental Research*, 65(2):187-198. <http://dx.doi.org/10.1016/j.marenvres.2007.10.002>
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