

PUBLICATIONS FROM PREVIOUS GAP WORKSHOPS

The 9th GAP, Malaga, SPAIN, 2012

INTRODUCTION

Figuerola F. L., Mercado J. M., Beardall J., Neale P. J., Montecino V., Kromkamp J. (2014). Introduction 22:1-4 doi: 10.3354/ab00613

REVIEWS

Beardall J., Stojkovic S., Gao K. (2014) Interactive effects of nutrient supply and other environmental factors on the sensitivity of marine primary producers to ultraviolet radiation: implications for the impacts of global change. *Aquat Biol*22:5–24. doi:10.3354/ab00582

Hofmann L. C., Bischof K. (2014) Ocean acidification effects on calcifying acroalgae. *Aquat Biol*22:261–279doi:10.3354/ab00581

WG1 Phytoplankton of coastal waters

Neale P. J., Sobrino C., Segovia M., Mercado J. M., León P., Cortés M. D., Tuite P., Picazo A., Salles A., Cabrerizo M. J., Prasil O., Montecino V., Reul A., Fuentes-Lema A. (2014) Effect of CO₂, nutrients and light on coastal plankton. I: Abiotic conditions and biological responses. *Aquat Biol*22:25–41doi:10.3354/ab00587

Mercado J. M., Sobrino C., Neale P. J., Segovia M., Reul A., Amorim A. L., Carrillo P., Claquin P., Cabrerizo M. J., León P., Lorenzo M. R., Medina-Sánchez J. M., Montecino V., Napoleón C., Prasil O., Putzeys S., Salles S., Yebra L. (2014) Effect of CO₂, nutrients and light on coastal plankton. II: Metabolic rates. *Aquat Biol*22:43–57 doi:10.3354/ab00606

Reul A., Muñoz M., Bautista B., Neale P. J., Sobrino C., Mercado J. M., Segovia M., Salles S., Kulk G., León P., van de Poll W. H., Pérez E., Buma A., Blanco J. M. (2014) Phytoplankton size structure in response to a trophic cascade and interactive effects of CO₂, nutrients and light during a microcosm experiment. *Aquat Biol*22:59–76 doi:10.3354/ab00585

Sobrino C., Segovia M., Neale P. J., Mercado J. M., García-Gómez C., Kulk G., Lorenzo M. R., Camarena T., van de Poll W. H., Spilling K., Ruan Z. (2014) Effect of CO₂, nutrients and light on coastal plankton. IV: Physiological responses. *Aquat Biol*22:77–93. doi:10.3354/ab00590

WG2 Microalgal Biotechnology

Ihnken S., Beardall J., Kromkamp J. C., Gómez Serrano C., Torres M. A., Mosojídek J., Malpartida I., Abdala A., Jerez C. G., Malapascua J. R., Navarro E., Rico R. M., Peralta E., Ferreira Ezequiel J. P., Figueroa F. L. (2014) Light acclimation and pH perturbations affect photosynthetic performance in *Chlorella* mass culture. *Aquat Biol*22:95–110doi:10.3354/ab00586

Jerez C. G., Navarro E., Malpartida I., Rico R. M., Masojídek J., Abdala R., Figueroa F.L. (2014) Hydrodynamics and photosynthesis performance of *Chlorella fusca* (Chlorophyta) grown in a thin-layer cascade (TLC) system. *Aquat Biol*22:111–122doi:10.3354/ab00603

Malapascua J. R. F., Jerez C. G., Sergejevová M., Figueroa F. L., Masojídek J. (2014) Photosynthesis monitoring to optimize growth of microalgal mass cultures: application of chlorophyll fluorescence techniques. *Aquat Biol*22:123–140doi:10.3354/ab00597

Malpartida I., Jerez C. G., Morales M. M., Nascimento P., Freire I., Ezequile J., Rico R. M., Peralta E., Malapascua J. R., Florez Y., Mosojídek J., Abdala R., Figueroa F. L., Navarro E. (2014) Synergistic effect of UV radiation and nutrient limitation on *Chlorella fusca* (Chlorophyta) cultures grown in outdoor cylindrical photobioreactors. *Aquat Biol*22:141–158doi:10.3354/ab00595

WG3 Macroalgae: experimental approach

Stengel D. B., Conde-Álvarez R., Connan S., Nitschke U., Arena F., Abreu H., Bonomi Barufi J., Chow F., Robledo D., Malta M., Konotchick T., Nassar C., Pérez-Ruzafa A., López D., Marquardt R., Vaz-Pinto F., Celis-Plá P. S. M., Hermoso M., Ruiiz W., Ordoñez G., Flores P., Zanolla M., Bañares-España E., Altamirano M., Korbee N., Bischof K., Figueroa F. L. (2014) Short-term effect of CO₂, nutrients and temperature on three marine macroalgae under solar radiation. *Aquat Biol*22:159-176. doi:10.3354/ab00576

Figueroa F. L., Barufi J. B., Malta E. J., Conde-Álvarez R., Nitschke U., Arenas F., Mata M., Connan S., Abre M. H., Marquardt R., Vaz-Pinto F., Konotchick T., Celis-Plá P.S.M., Hermoso M., Ordoñez G., Ruiz E., Flores P., de los Ríos J., Kirke D., Chow F., Nassar C. A. G., Robledo D., Pérez-Ruzafa A., Bañares-España E., Altamirano M., Jiménez C., Korbee N., Bischof K., Stengel D. B. (2014a) Short-term effects of increasing CO₂, nitrate and temperature on three Mediterranean macroalgae: biochemical composition. *Aquat Biol*22:177–193doi:10.3354/ab00610

Figueroa F. L., Conde-Álvarez R., Barufi J. B., Celis-Plá P. S. M., Malta E. J., Stengel D. B., Meyerhoff O., Pérez-Ruzafa A. (2014b) Continuous monitoring of in vivo chlorophyll a fluorescence in *Ulva rigida* (Chlorophyta) submitted to different CO₂, nutrient and temperature regimes. *Aquat Biol*22:195–212doi:10.3354/ab00593

Parages M. L., Figueroa F. L., Conde-Álvarez R. M., Jiménez C. (2014) Phosphorylation of MAPK-like proteins in three different morpho-functional intertidal macroalgae under stress conditions: acidification, nitrogen depletion and temperature increase. *Aquat Biol*22:213–226doi:10.3354/ab00592

WG4 Macrolagae: field study in the Natural Park “Cabo de Gata-Níjar”

Celis-Plá P. S. M., Martínez B., Quintano E., García-Sánchez M., Pedersen A., Navarro N. P., Copertino M. S., Mangaiyarkarasi N., Mariath R., Figueroa F. L., Korbee N. (2014) Short-term ecophysiological and biochemical responses of *Cystoseira tamariscifolia* and *Ellisolandia elongata* to environmental changes. *Aquat Biol*22:227–244doi:10.3354/ab00573

Korbee N., Navarro N. P., García-Sánchez M., Celis-Plá P. S. M., Quintano E., Copertino M. S., Pedersen A., Mariath R., Mangaiyarkarasi N., Pérez-Ruzafa A., Figueroa F. L., Martínez B. (2014) A novel in situ system to evaluate the effect of high CO₂ on photosynthesis and biochemistry composition of seaweeds. *Aquat Biol*22:245–259doi:10.3354/ab00594