

Publications:

1. Winters G., Loya Y., Ruttgers R., Beer S. (2003). Photoinhibition in shallow-water colonies of the coral *Stylophora pistillata* as measured in situ. *Limnology and Oceanography* 48: 1388-1393.
2. Winters G., Loya Y., Beer S. (2006) In situ measured seasonal variations in Fv/Fm of two common Red Sea corals. *Coral Reefs* 25: 593-598.
3. Kuguru B., Winters G., Santos S.R., Beer S., Chadwick N.E. (2007). Adaptation strategies of the corallimorpharian *Rhodactis rhodostoma* to irradiance and temperature. *Marine Biology*. 151:1287-1298. (shared 1st authorship).
4. Downs C.A., Kramarsky-Winter E., Woodley C.M., Downs A., Winters G., Loya Y., Ostrander G.K. (2009) Cellular pathology and histopathology of hypo-salinity exposure on the coral *Stylophora pistillata*. *Science of the Total Environment* 407: 4838-4851.
5. Winters G., Beer S., Ben Zvi B., Z., Brickner I., Loya Y. (2009a) Spatial and temporal photoacclimation of *Stylophora pistillata*: zooxanthella size, pigmentation, location and clade. *Marine Ecology Progress Series* 384: 107-119.
6. Winters G., Holzman R., Blekhan A., Beer S., Loya Y. (2009b) Photographic assessment of coral chlorophyll contents: implications for ecophysiological studies and coral monitoring. *Journal of Experimental Marine Biology and Ecology* 380: 25-35.
7. Bergmann N., Winters G., Rauch G., Eizaguirre C., Gu J., Nelle P., Fricke B. and Reusch T.B.H. (2010) Population-specificity of heat stress gene induction in northern and southern eelgrass *Zostera marina* populations under simulated global warming. *Molecular Ecology* 19: 2870-2883.
8. Winters G., Nelle P., Fricke B. and Reusch T. (2011) The effects of a simulated heat wave on the photophysiology and gene expression of high and low-latitude populations of *Zostera marina*. *Marine Ecology Progress Series* 435: 83-95.
9. Franssen U.S., Gu J., Bergmann, N., Winters G., Klostermeier U.C., Rosenstiel P., Bornberg-Bauer E., and Reusch T.B.H. (2011) Transcriptomic resilience to global warming in the seagrass *Zostera marina*, a marine foundation species. *Proceedings of the National Academy of Sciences* 108 (48): 19276-19281.
10. Gu J, Weber K, Klemp E, Winters G, Franssen SU, Wienpahl I, Huylmans AK, Zecher K, Reusch TB, Bornberg-Bauer E, Weber AP (2012) Identifying core features of adaptive metabolic mechanisms for chronic heat stress attenuation contributing to systems robustness. *Integrative Biology* (4): 480-493.
11. Winters G., Shklar G., Korol L. (2013) Characterizations of microsatellite DNA markers for *Acacia tortilis*. *Conservation Genetics Resources* 5(3): 807-809.
12. Franssen U.S., Gu J., Winters G., Huylmans A-K., Wienpahl I., Sparwel M., Coyer J.A., Olsen J.L., Reusch T.B.H., Bornberg-Bauer E. (2014) Genome-wide transcriptomic responses of the seagrasses *Zostera marina* and *Nanozostera noltii* under a

simulated heatwave confirm functional types. Marine Genomics. Apr 3. pii: S1874-7787(14)00030-0. doi: 10.1016/j.margen.2014.03.004

13. Winters G., Ryvkin I., Rudkov T., Moreno Z., Furman A. (2015) Mapping underground layers in the super arid Gidron Wadi using electrical resistivity tomography (ERT). Journal of Arid Environments 121 (2015) 79-83.
14. Mejia A.Y., Rotini A., Lacasella F., Bookman R., Thaller M.C., Rachamim Shem-Tov, Gidon Winters, Luciana Migliorea (2016) Assessing the ecological status of seagrasses using morphology, biochemical descriptors and microbial community analyses. A study in Halophila stipulacea (Forsk.) Aschers meadows in the northern Red Sea. Ecological Indicators 60: 1150-1163.

Other publications:

Book chapters:

Winters G. (2014) Carbon Acquisition in Corals. In: Photosynthesis in the Marine Environment. Sven Beer, Matz Bjork and John Beardall, Wiley Blackwell, 208 pages.

You Tube films (Seagrasses in Eilat):

English version: <https://www.youtube.com/watch?v=UVfjZte-IGE>

Hebrew version: <https://www.youtube.com/watch?v=VS9wzHq6Q3w>

Outreach and popular science (in Hebrew):

1. אסף זבולוני, שי אורון, גדעון וינטרס, יוני שקד (2013). אי ירוק בים. בשביל הארץ, גיליון 56 אוגוסט – ספטמבר, עמודים 3-34.
2. אסף זבולוני, שי אורון, גדעון וינטרס, יוני שקד (2013). צוללים למרבדי עבי הים באילת. בשביל הארץ, גיליון 56 אוגוסט – ספטמבר, עמודים 38-39.