

UN RUOLO NATURALE PER LE MICROALGHE

PETER AHLM

AstaReal AB | Svezia

REFERENCES

1. Bendich, A. (1993). Physiological role of antioxidants in the immune system. *Journal of Dairy Science* 76(9), 2789-94.
2. <https://www.fortunebusinessinsights.com/industry-reports/food-antioxidants-market-100789> (accessed on 16 September 2022)
3. García, J. L. et al. (2017). Microalgae, old sustainable food and fashion nutraceuticals. *Microbial Biotechnology*. 10(5), 1017-1024.
4. Meticulous Research. *Haematococcus Pluvialis Market - Global Opportunity Analysis and Industry Forecast (2020-2027)*. 2021.
5. Oslan, S. N. H. et al. (2022). Bioprocess Strategy of *Haematococcus lacustris* for Biomass and Astaxanthin Production Keys to Commercialization: Perspective and Future Direction. *Fermentation*8,179.
6. Park, J. S. et al. (2010). Astaxanthin decreased oxidative stress and inflammation and enhanced immune response in humans. *Nutrition & Metabolism*, 7(18).
7. Katagiri, M. et al. (2012). Effects of Astaxanthin-Rich *Haematococcus pluvialis* Extract on Cognitive Function: A Randomised, Double-Blind, Placebo-Controlled Study. *Journal of Clinical Biochemistry and Nutrition*, 51(2), 102–107.
8. Yook, J. S. et al. (2019). Leptin in Hippocampus Mediates Benefits of Mild Exercise by an Antioxidant on Neurogenesis and Memory. *Proceedings of the National Academy of Sciences of the United States of America*, 116, 10988–10993.
9. Nagaki, Y. et al. (2010). Effect of Astaxanthin on Accommodation and Asthenopia. *Japanese Review of Clinical Ophthalmology, Folia Ophthalmologica Japonica*, 3(5), 461-468.
10. Saito, M. et al. (2012). Astaxanthin increases choroidal blood flow velocity. *Graefes Archive for Clinical and Experimental Ophthalmology*, 250, 239.
11. Nagaki, Y. et al. (2005). The effect of astaxanthin on retinal capillary blood flow in normal volunteers. *Journal of Clinical Medicine*, 21, 537–542.
12. Kato, T. et al. (2020). Effects of 3-Month Astaxanthin Supplementation on Cardiac Function in Heart Failure Patients with Left Ventricular Systolic Dysfunction-A Pilot Study. *Nutrients*. 12(6), 1896.
13. Kupcinskas, L. et al. (2008). Efficacy of the natural antioxidant astaxanthin in the treatment of functional dyspepsia in patients with or without *Helicobacter pylori* infection: A prospective, randomized, double blind, and placebo-controlled study. *Phytomedicine*, 15(6-7), 391-399.
14. Tominaga, K. et al. (2012). Cosmetic benefits of astaxanthin on humans subjects. *Acta Biochim Pol.* 59(1), 43-47.

15. Ito, N. et al. (2018). The Protective Role of Astaxanthin for UV-Induced Skin Deterioration in Healthy People—A Randomized, Double-Blind, Placebo-Controlled Trial. *Nutrients*, 10(7), 817.
16. Sawaki, K. et al. (2002). Sports performance benefits from taking natural astaxanthin characterized by visual acuity and muscular fatigue improvements in humans. *Japanese Journal of Clinical Ophthalmology*, 18(9), 1085-100.
17. Earnest, C. P. et al. (2011). Effect of astaxanthin on cycling time trial performance. *International Journal of Sports Medicine*, 32(11), 882-8.
18. Liu, S. Z. et al. (2018). Building strength, endurance, and mobility using an astaxanthin formulation with functional training in elderly. *Journal of Cachexia, Sarcopenia and Muscle*, 9(5), 826-833.