Seaweeds: some of Pharmaco-Immunological Effects

*Shokrollah Farrokhi1,2,3 (MD), Iraj Nabipour1,3 (MD), Majid Assadi1,3 (MD)

Seaweeds are usually found on the beaches during the ebb tide of sea. Several species of seaweeds are commonly used as food or food additives in many countries. Since last decades, some species, especially brown seaweeds, used as a traditional medicine.

Several ethnopharmacological studies have been demonstrated their effectiveness in the treatment of allergic, cancers, arthritis, inflammatory, and brain diseases. Therefore, compounds from seaweed extract containing polyphenols and phlorotannin with anti-hyaluronidase activity and stabilization of mast cell, fucoidan by inhibition of IgE production are useful in the treatment of allergic diseases. In addition, β-glucan isolated from seaweeds, biologic ingredient as an immunostimulants and anti-angiogenic against cancers and also, phencolic compounds of seaweeds with inhibition of chronic inflammation could be used in therapy of several cancers and chronic inflammatory diseases.

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1- Department of Immunology and Allergy, The Persian Gulf Marine Biotechnology Research Center, Bushehr University of Medical Sciences, Bushehr, Iran
2- Department of Immunology and Allergy, Faculty of Medicine, Bushehr University of Medical Sciences, Bushehr, Iran
3- The Persian Gulf Nuclear Medicine Research Centre, Bushehr University of Medical Sciences, Bushehr, Iran