Energy Production from Chlorella vulgaris Microalgae

Agudelo, Elkin

Bayona, Geydi

Is recognized increasingly the narrow relation that exists between energy and the environment, in fact, the energy and the environment they are indispensable for the sustainable development, being the energy the vital force of the company humanizes. Nevertheless, the principal sources of energy used by the man have changed across the times, accelerating increasingly the process of environmental degradation that affects the well-being of the humanity. A clear example is the use of fossil fuels which are used mainly in industrial, commercial and agricultural sectors. Being the principal persons in charge of the pollution that can be demonstrated nowadays in the water, air and soil (for the waste of burnt oils) and the phenomenon of the global warming, bringing serious consequences to the human health. In spite of problematic these we continue using these fuels considering them to be the only source of energy that we can use, ignoring the variety of alternatives of energy it cleans that we can obtain without need to affect our planet. Having investigated for the diverse sources of clean energy, which diminish the negative effects of the fossil fuels, is easy realize that the renewable energies are inexhaustible and possess big benefits. Between these they are, for example: the solar power, the wind power, the hydraulic power, the geothermal energy and the energy obtained from the BIOMASS of some organisms as the microalgae, you finalize this one, with numerous points to favor for being a sustainable technology on having produced energy with very low costs and for reducing to a great extent the pollution generated by the fossil fuels.

Awards Won: