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Antimicrobial Bioplastic Production Made of Olive Seeds

Biolive Biological and Chemical Technologies Industry and Trade Inc. is a biotechnology company that produces and sells antimicrobial and antioxidant bioplastic granules from olive seeds; also designs and develops the technical production process.

Petroleum-based plastics are harmful to human health and environment. They disappear in nature for 750 years and cause 6 kg carbon dioxide emission per kg of plastic. Moreover, when they are treated with heat, Bisphenol-A which is a carcinogenic material spreads. Therefore, humans consume that material when they eat or drink anything covered by plastics. Thankfully, nowadays, people have come to realize the damages of petroleum-based plastics, so a preference of natural compatible products has become the subject. Also, regulations on prohibition of petroleum-based plastics in Europe and some States of America are existing. These are why bioplastic market gets bigger and bigger. However, most of the bioplastics are made of starch or corncobs which are much more expensive than petroleum-based plastics. Therewithal, today's bioplastics are generally converted to bio-form from petroleum-based plastics so that they are not totally natural. In addition to all, there is a huge food waste problem in the world (1.3 Billion tonnes per year).

At this point, Biolive completely natural bioplastic granules made of olive seeds are here in order to make away the problems and fulfil the deficiencies in bio/plastic market. Biolive granules are naturally antibacterial and antioxidant thanks to activation of "oleuropein" material in olive seeds. They have inhibition effect on many microorganism including E.Coli. Hence, they increase the shelf life of foods and keep them fresh when foods are covered or placed on Biolive bioplastic instead of using expensive nanotechnology to give antibacterial quality to plastics or adding synthetic additives in foods. Moreover, Biolive granules are biodegradable, recyclable, transparent and 90% more cost effective than existing bioplastics because of evaluation of a waste output during production.

Biolive Inc. is contractual with Vestel Refrigerator Technology to sell bioplastic granules in order to increase the shelf life of foods. Biolive also plans to go to the food packaging, hygiene materials and filament markets via licence or supplier agreements. Sunder, Fkur, Sek, Banvit in food packaging, Korteks in filaments and Mamajoo in hygiene materials are the potential costumers as B2B.

TEAM

Investor Company:	Vestel Ventures	Chairman of the Board:	Duygu Yılmaz
Vice Chairman of the Board:	Fatih Ayaş	Board Member:	Emin Öz
Team Member:	Yağmur İşeri	Team Member:	Nida İçyer