

## Iranian Nanotechnology Makes Drinking Water Healthier Than Ever



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When it comes to leading a healthy life, it is so important to include omega fatty acids such as EPA and DHA in our daily diet. Exir Royan Tabiat In.c, an Iran-based company, has succeeded in developing oil-in-water nanoemulsion technology that enables the production of flavored omega-infused bottled water.

[Exir Royan Tabiat Inc.](#) designed the technology of producing oil-in-water nanoemulsion upon the request of a South Korean company involved in the food and beverage industry. The Korean company has now licensed this technology for fortifying its flavored bottled water with omega-6 and fatty acids. After the technology turned out to be a success in [South Korea](#), Exir Royan decided to use it in [Iran](#) for making fatty acid supplements.

Given the unpleasant smell and taste of omega fish oil supplements available on the market, some people and particularly children do not like to add them to their daily diet. However, fatty acids play a vital role in the growth and development of children, and even studies have shown that vitamin D and omega-3 fatty acids, specifically DHA, have the potential to significantly improve the symptoms of autism spectrum disorder (ASD).

Hence, the company used its proprietary nanotechnology as a way around this problem and produced a fatty acid supplement that not only does not smell but also is highly absorbable, due mainly to the superior quality of the resulting oil-in-water nanoemulsion. What's more, the price of this supplement is half the price of similar imported supplements.

Currently, the company is considering an offer made by a bottled water manufacturer to produce omega-infused bottled water in [Iran](#).

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