ICAR- CIFTEQ® Hydroxy Apatite

Salient features	➢ The fish derived hydroxyapatite exhibits superior resorption rate and bone forming ability, ➢ Act an effective substitute for synthetic hydroxyapatite. ➢ The process line for extracting biological hydroxyapatite from fish processing discards such as fish scale and bone is economical and environmental friendly ➢ Possess superior biocompatibility, physiological stability, and osteo-conductivity compared to commercially available synthetic hydroxyapatite
Advantages	✓ Hydroxyapatite derived from the fish bone and scale has demonstrated the ability to act as bone graft materials ✓ In vivo studies conducted at CIFT in wistar rats indicated higher radiographically detectable calcification compared to that of commercially available osseografts
	
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More information	**Status of commercialization / Patent / Publications** Binsi, P. K., Zynudheen, A. A., Ninan, G., Ashraf, P. M., & Ravishankar, C. N. (2012). Hydroxyapatite from fish processing waste. Binsi, P. K., Zynudheen, A. A., Ashraf, P. M., Ninan, G., Ravishankar, C. N., & Gopal, T. K. S. (2013). Multifunctional hydroxyapatite crystals from fish processing discards. **Technology transfer** Technology transferred to**:** 1. Eklavya Biotech Pvt Ltd., Mumbai 2. M/s. ANDR, Mr. Sherwin James, Karnataka