

चौधरी चरण सिंह हरियाणा कृषि विश्वविद्यालय, हिसार  
लोक संपर्क कार्यालय

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UP CHANCE FOR NEWER GENERATION:

**HAU (BIOCHEMICAL- POLY HYDROXY BUTARATE)**

A technique of producing a biochemical-Poly Hydroxy Butarate (PHB), which is useful in making eco-friendly, cheaper and self degradable bioplastic, developed by the scientists of Chaudhary Charan Singh Haryana



Agricultural University (CCSHAU) has been granted a patent by the Patent Office, Govt. of India, announced the Vice-Chancellor, Prof. K.P. Singh today. He said that a team of scientists of Molecular Biology, Biotechnology and Bioinformatics (MBBB) Department of the university led by Dr. Virendra K. Sikka has produced high value PHB by molecular manipulations of strains of eco-friendly microorganism, Rhizobium species. Using this technique, 50-60 per cent of the biomass can be harvested as PHB that has properties like plastics, he said. The PHB can be processed along with additives like starch to convert it into mouldable low density bioplastic which is fully biodegradable, he said, adding that blends of PHB with conventional plastics can be an easy means to tackle the choking generated accidental problems in animals and sewage arising from polyethylene.