Amrita Viswa Vidyapeetham Files Patent Application for the Art, Method and Manner of Nanosurface Modification of Titanium Implants for Orthopedic or Dental Applications

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New Delhi, June 1 -- India based Amrita Viswa Vidyapeetham filed patent application for the art, method and manner of nanosurface modification of titanium implants for orthopedic or dental applications. The inventors are Deepthy Menon, Dr. Shantikumar V. Nair, Manzoor K., Divyarani V. V. and Vinoth-Kumar Lakshmanan.

Amrita Viswa Vidyapeetham filed the patent application on May 13, 2011. The patent application number is 1644/CHE/2011 A. The international classification number is A61C8/00. According to the Controller General of Patents, Designs & Trade Marks, “Titanium metallic implant surface modified to generate nanoscale topography by hydrothermal method which provides better osteointegration than unmodified surfaces and thus is appropriate for application as a biomaterial implant for use in orthopedic and dental implant surgery.” About the Applicant Amrita Vishwa Vidyapeetham or Amrita University is a multi-campus, multi-disciplinary, NAAC A grade accredited, research and teaching university located in India. The university spread across five campuses in the three states of South India, in Kerala at Amritapuri and Kochi, in Karnataka at Bangalore and Mysore, and in Tamil Nadu at Ettimadai. The University Headquarters are at Ettimadai in a campus near the foothills of the Western Ghats, about twenty km from Coimbatore, Tamil Nadu. Extensive interaction between all campuses is made possible through the Amrita-ISRO satellite network for e-learning.

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