

Brief Bio-data of Dr Rajesh Bansal



Affiliation : **Professor**, Prosthodontics, Faculty of Dental Sciences, IMS, BHU

Teaching Experience : **16 years** (Undergraduate & Postgraduate teaching)

Qualifications : BDS (Kurukshetra University) and MDS (BHU)

Fellowship: **Commonwealth Fellowship, University College of London, 2015**

Administrative Work: **Proctor** BHU for 5 years

: **Administrative Warden**, Sushrut Hostel, IMS, BHU for 5 years

: **Coordinator Research Forum**, IMS, BHU for 4 years

Social Work : Medical Camps organized

Product developed : **Development of Indigenous Dental Implants of cp-Ti in collaboration**

: **Allograft development**

Research Projects : **2 Major Interdisciplinary Research Projects**

➤ **“Design and Development of Indigenous implants of Titanium”** sanctioned by Department of Science & Technology (DST), India (approx 85 lacs).

➤ **“Genetics of tooth development: genes underlying tooth agenesis in human”** by Department of Biotechnology (DBT) in collaboration with CGD, Institute of Science (approx 39 lacs).

➤ **Fabrication and Multi-centric trial of Indigenous Dental Implants of titanium designed and developed at BHU for its validation**

Patent Granted : **“Effect of surface nanocrystallization on osseointegration of cp-Ti”. Granted 2019**

Publications : **25**

Recent sig. publications : Optimization of oxidation temperature for commercially pure titanium to achieve improved corrosion resistance. **J of Materials Engineering and Performance**, 2017

(Impact Factor 1.331)

: A novel G to A transition at initiation codon and exon-intron boundary of PAX9 identified in association with familial isolated oligodontia. **Gene**, 2017;635:69-76. Pubmed indexed **(Impact factor 3.7)**

: Whole Genome Sequencing Reveals Novel Non-Synonymous Mutation in Ectodysplasin A (EDA) Associated with Non-Syndromic X-Linked Dominant Congenital Tooth Agenesis. **Plos One**, 2014 **(Impact factor 4.411)**

: Enhanced Osteoblast proliferation and corrosion resistance of cp-Ti through surface nanostructuring by ultrasonic shot peening and stress relieving. **J of Oral Implantology (American Acad of Implant Dentistry)**, 2014 **(Impact factor 1.37)**

Oral/Poster Presentations : **25**

Research Supervision : **Eight MDS Prosthodontics and One MS ENT Theses completed and two ongoing**

Academic Awards : **3rd position**; Fabrication and clinical evaluation of dental endosseous implant. International conference of Biotechnology organized by BRSI with theme “Emerging trends in biotechnology (ETBT), 2009”.

: **2nd position**; Supervised “Implant prosthesis in adolescent patients” 37th Annual Conference of the Indian Prosthodontic Society, 6-8 Nov, 2009, held at Thrissur, Kerala.

: **1st position**; Paper in International Conference on Recent Innovations in Ayurvedic Sciences and Technology 25-25 Oct 2015 by IMS, BHU

Sports & Cultural Awards : **23, Gold: 13; Silver: 08; Bronze: 02**

Administrative Award : **Hostel Excellence Award** as Administrative warden of Sushruta Hostel, IMS, BHU