

FACULTY ACHIEVEMENT

Extramural Research Grant for Research Project

Title: Osteoblastic Cell Characteristics on Bioactive 3D printed Porous Peek Dental Implant Surfaces- An in-vitro study

Funding amount
5,33,213/₹

Dear Amit Gaikwad,

We are happy to inform you that your Osteology Advanced Research Traineeship application: Microscopic and Molecular Biology Methods to Investigate Osteoblast Cell Characteristics on Bioactive 3D printed Porous PEEK Dental Implant Surfaces, project no. 22-042, has been selected for funding.

Please confirm your acceptance of the Traineeship, as well as its start date, within the next 2 weeks by sending an email to grants@osteology.org.

Upon confirmation, an official agreement will be sent to you and the receiving institution for signature.

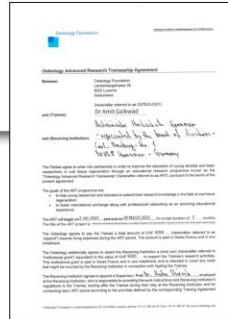
We are looking forward to your acceptance and to working together with you. If you have any questions, please do not hesitate to contact us.

Best regards,
Osteology Foundation

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Dr Amit Gaikwad, Reader



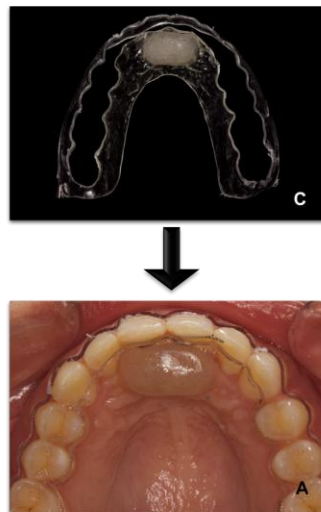
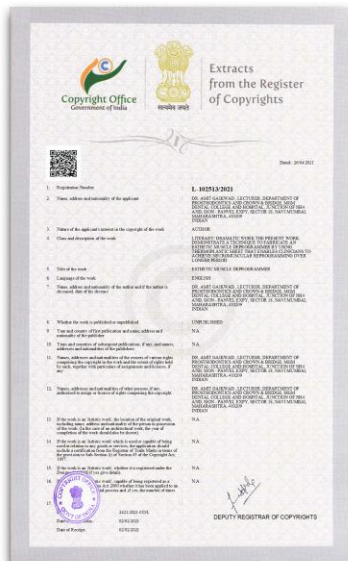
Funding By Osteology Foundation, Switzerland



Training at MHH, Hannover, Germany

Intellectual Property Rights For Innovations

Esthetic Muscle Deprogramming device



DR.AMIT GAIKWAD

BONE PASTE TO ENHANCE BONE FORMATION FOR DENTAL AND ORTHOPAEDIC APPLICATION



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(22) Date of filing of Application :16/12/2022	(43) Publication Date : 30/12/2022
(54) Title of the invention : BONE PASTE TO ENHANCE BONE FORMATION FOR DENTAL AND ORTHOPAEDIC APPLICATION	
(51) International classification : A61L0027320000, A61Q0019000000, A61K0036185000, A61F0002280000, A61L0027120000	(71) Name of Applicant : 1) Dr. Gowri Pendyala Address of Applicant : Room No.404, Department of Periodontics, Rural Dental College, PMT Loni, Taluka Rahata, District Ahmednagar, Maharashtra, India 413736
(86) International Application No : NA	Name of Applicant : NA
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ABSTRACT BONE PASTE TO ENHANCE BONE FORMATION FOR DENTAL AND ORTHOPAEDIC APPLICATION The present disclosure relates to the field of dentistry, in particular, it related to bone paste to enhance bone formation for dental and orthopaedic applications. The bone paste comprises: a bone graft consisting of biocompatible strontium nanoparticles that can be synthesized using moringa species-derived medicinal compounds, wherein hybrid nanocomposite comprises strontium nanoparticles with eggshell derived from hydroxyapatite. The bone graft has antimicrobial activity and biocompatible in nature and causes no harm.

No. of Pages : 9 No. of Claims : 5

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General Merit No	197 Category : OBC Admitted Category : OPEN
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PET Qualifying Subject	112101-Ph.D. in Prosthodontics and Crown Bridge