

पेटेंट कार्यालय
शासकीय जर्नल

OFFICIAL JOURNAL
OF
THE PATENT OFFICE

निर्गमन सं. 07/2024
ISSUE NO. 07/2024

शुक्रवार
FRIDAY

दिनांक: 16/02/2024
DATE: 16/02/2024

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/02/2024

(21) Application No.202411008743 A

(43) Publication Date : 16/02/2024

(54) Title of the invention : BIOCOMPATIBLE NANOMATERIALS FOR PULP REGENERATION

(51) International classification	:A61K47/34, A61K9/22, A61L27/54, B82Y30/00, B82Y40/00, B82Y5/00	(71) Name of Applicant : 1)Dr. Gaurav Jain Address of Applicant :Associate Professor, Department of Conservative Dentistry and Endodontics, Saraswati Dental College & Hospital, 233, Tiwari Ganj, Ayodhya Road, Lucknow - 226028, Uttar Pradesh, India Lucknow ----- 2)Dr. Pradyumna Misra 3)Dr. Manoj Hans 4)Dr. Lalit C. Boruah 5)Dr. Shronika Name of Applicant : NA Address of Applicant : NA
(86) International Application No	:NA	(72) Name of Inventor : 1)Dr. Gaurav Jain Address of Applicant :Associate Professor, Department of Conservative Dentistry and Endodontics, Saraswati Dental College & Hospital, 233, Tiwari Ganj, Ayodhya Road, Lucknow - 226028, Uttar Pradesh, India Lucknow ----- 2)Dr. Pradyumna Misra Address of Applicant :Professor and Head of Department, Department of Conservative Dentistry and Endodontics, Saraswati Dental College & Hospital, 233, Tiwari Ganj, Ayodhya Road, Lucknow - 226028, Uttar Pradesh, India Lucknow -----
(87) International Publication No	: NA	3)Dr. Manoj Hans Address of Applicant :Professor and Head of Department, Department of Conservative Dentistry and Endodontics, Institute of Dental Sciences, Bareilly – 243006, Uttar Pradesh, India Bareilly -----
(61) Patent of Addition to Application Number	:NA	4)Dr. Lalit C. Boruah Address of Applicant :Associate Professor, Department of Conservative Dentistry and Endodontics, Government Dental College, Dibrugarh – 786002, Assam, India Dibrugarh -----
Filing Date	:NA	5)Dr. Shronika Address of Applicant :Junior Resident, Department of Conservative Dentistry and Endodontics, Saraswati Dental College & Hospital, 233, Tiwari Ganj, Ayodhya Road, Lucknow – 226028, Uttar Pradesh, India Lucknow -----
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to biocompatible nanomaterials designed for dental pulp regeneration. In the field of dentistry and endodontics, this invention offers novel nanomaterials and their application in stimulating dental pulp tissue regeneration, enhancing dental pulp healing, and improving endodontic procedures. The biocompatible nanomaterials are characterized by their exceptional biocompatibility, ease of application, and ability to efficiently promote pulp tissue regeneration. This innovation represents a significant advancement in addressing the limitations of current dental pulp regeneration techniques.

No. of Pages : 7 No. of Claims : 10