RESEARCH PROJECTS, GRANTS, PATENT AND INNOVATIONS

Faculty of Dental Sciences, SGT University

Indexed Publications (OCTOBER 2026)

Sr.No.	Publication Title	Name of Journal	Authors (SGTU)	Date of Publication	Indexing
1	A Comparative Evaluation of Crestal Bone Loss with Angulated and Transmucosal Abutments on Tilted Maxillary Molars – An In Vivo Study	Indian Journal of Natural Sciences	Dr. Puja Malhotra	01/10/ 2026	Web Of Science
2	Micro-hydroxyapatite reinforcement and surface microhardness of conventional glass ionomer cement: An in vitro study	Bioinformation	Dr. Kunal Nischal	31/10/2026	PubMed
3	Evaluation of regenerative periodontal therapy following root canal treatment in endodontic-periodontal lesions.	Bioinformation	Dr Unnati Nautiyal	31/10/2026	PubMed
4	Beyond Analgesics: Modern Approaches to Orthodontic Pain Control	Advances in Bioresearch	Dr Deepika Yadav, Dr Namrata Dogra, Dr Tarun Rana	5/10/2026	Web of Science
5	Teledentistry: Upcoming Future of Dental Health Care Delivery System: A Scoping Review	Indian Journal of Natural Sciences	Dr. Anamika	6/10/2026	Web of Science

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6	The Prosthetic management of Icrostomia Patients with sectional complete denture with detachable teeth: A Case Report	European Journal of Prosthodontics and Restorative Dentistry	Dr. Anamika	6/10/2026	SCOPUS
7	Beyond Corticotomy: Emerging trends in accelerated orthodontic tooth movement	Indian Journal of Natural Science	Dr. Deepika Yadav	6/10/2026	Web of Science
8	Incretin-Based Antidiabetic Therapies and Orthodontic Tooth Movement: Biological Mechanisms, Evidence, and Clinical Implications	Adolescencia e Saude,	Dr.Yoshita Tyagi , Dr.Tarun Kumar	4/10/2026	SCOPUS

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Patents Published (OCTOBER 2026)

1. **Application Number – 202611094977 A –** Dental Treatment Device, Dr Ashtha Arya

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Grants (OCTOBER 2026)

Dr Shalini Kapoor, Professor, Dept of Periodontology received a grant of Rs 66.58 Lakh from the Central Counsil for Research in Homeopathy (CCRH), Ministry of AYUSH, Govt. of India, for a clinical trial on **A Prospective Double-Blind, Placebo-Controlled Randomised Trial to Assess the Role of an Individualised Homeopathy as an Adjuvant to Non-surgical Periodontal Treatment (NSPT) for Stage I and II Periodontitis.**

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INNOVATIONS

SYNERGY TECHNOFEST- Student Edition

(18th to 20th November 2026)

S. No.	Name of Faculty Mentor	Name of Student Principal Investigator	Name of Student Co-Principal Investigators	Department	Title of project
1	Dr Sumit Singh Phukela	Yash Singh	Ridhima, Radhika, Harjot, Tushar (Dept. of Engineering)	Prosthodontics	Accu-Dose Aegis - Smart validation before administration
2	Dr. Surbhi Priyadarshi	Siya Jeendgar	Himanshi Garg, Kritika Yadav, Aanchal Deswal	Department of Public Health Dentistry	Pressibrush: Universal Toothbrush Pressure Monitor
3	Dr. Shalu	Dr. Shivangi Yadav	Dr. Deepanshi Yadav, Ashwini	Department of Pediatrics and Preventive Dentistry	MobiSADE: A Modular Sensory Adaptation System for Portable and Dedicated Pediatric Dental Settings
4	Dr Shivani	Dr Ashi Bakshi	Dr Rubal, Manya Goel, Manasvi Sundriyal	Department of Orthodontics and Dentofacial Orthopaedics	Tathastu: Healthcare at your doorstep
5	Dr Vidushi Sheokand	Dr Simran Bishnoi	Dr Gracy, Dr. Mohini	Department of Periodontology	Clear Guide- Precision in Every Drill
6	Dr.Rangoli Srivastava	Shilpi Jain	Khushi Dehan, Bhumi Kalra, Bhumika Debnath	Public Health Dentistry	TobaHeal - Herbal Mouthwash for Supporting Tobacco Cessation

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7	Dr Bhupender yadav	Dr Indu yadav	Dr Gaurav yadav	Prosthodontic and crown and Bridge	Keto guard
8	Dr. Diksha Singh	Dr. Avni	Gursimer, Priyakshree, Komal	Prosthodontics,Crown and Bridge	PIVOT-Piezoelectric Implant based occlusal test for early screw loosening detection
9	Dr. Drishti	Vanshdeep	Anjali Rana, Harpahul, Dr. Savvy, Swapnil	Conservative dentistry and endodontics	PulpClear-Chairside Pulp Tissue Detection System.
10	Dr Unnati Nautiyal	Parshant	Akanksha Kashyap, Shiksha, Komal	Conservative Dentistry and Endodontics	Endo Seal 360
11	Dr Savreen Kaur	Juhi Ruth	Sakshi Gupta,Gaurav,Anshuman	Pediatric and preventive dentistry	Aerometer: A Real-Time Aerosol Detection, Capture and Sterilization System for Dental and Clinical Environments
12	Dr Risheb Nagill	Gunita Walia	Vomika Jaspal, Vivek Jangra	Orthodontics and Dentofacial Orthopedics	Oro Vision AI
13	Dr. Anamika	Gungun Jain	Vanshika Pasricha, Devarchi Taneja, Pranvi Bansal	Orthodontics and Dentofacial Orthopedics	No More Lost - Only Found
14	Dr. Shilpa Kamra	Dr. aditi	Dr Payal	Department of periodontology	Ecograft
15	Dr Karandeep Singh	Rakshat	Parth, Rijul Jain, Chalcy	Oral and Maxillofacial Surgery	O.R.B.I.T.-Optimized Regenerative Bone Intelligent Tracker
16	Dr Aakriti Khemka	Smarpit Singla	Dr Kriti Vatsa Charan Singh	Oral & Maxillofacial Pathalogy	Hydro Sweep: A Smart Tongue

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					scraper with Pressure-Controlled Irrigation
17	Dr. Preeti Chahal	Palak	Charvi, Bhavya goel, Harshvardhan singh	Oral and maxillofacial pathology	cytosure : a point-of-care oral cytology collection device
18	Dr. Puja Malhotra	Charvi	Palak Sethi, Nitya Kapoor, Himanshu Chahar	SGT Dental Xperts	Dentvision
19	Dr. Monika Tanwar	Dr. Harish kumar	Dr. Lagan sahni	Oral and maxillofacial surgery	Oral-Setu. Your guide to right specialist
20	Dr Minerva Singh	Kavya Sivakumar	Mrityunjay kumar, Dr. Anchal	Oral & Maxillofacial Surgery	SAFER- Smart Assistance for Emergency Response "Standardizing the First Response Trauma."
21	Dr.Deepika Yadav	Yoshita Tyagi	Anjali Yadav, Himanshu	Orthodontics and dentofacial orthopaedics	SmileJourneyAi

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