

**TEERTHANKER MAHAVEER DENTAL COLLEGE
&
RESEARCH CENTRE**

NH-09, DELHI ROAD , BAGADPUR, MORADABAD, 244001

ANNEXURE - 1

**TITLE: RESEARCH PROJECTS, GRANTS, PATENTS,
INNOVATIONS AND SCHOLARLY ACTIVITIES**

INDIAN SOCIETY OF PERIODONTOLOGY

Reg. No. GB BSD 385/95

President

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*Golden Jubilee Year
Celebrating 50 Glorious Years of ISP*

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Dr. Shipra Gupta
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Ref No.-ISP/00113/24-25

Date: 30/08/2025

Subject: Approval of ISP -MDS Dissertation Grant.

Dear Dr. Ria Ahuja

With reference to your application for "ISP-MDS Dissertation Grant" for your thesis research work, your proposal was discussed in detail by the ISP Scientific Research Committee (SRC) and I am pleased to inform you that your proposal has been accepted for funding by ISP.

Research grant amounting Rs. 1,60,000/- (as approximate cost of the hardware), has been approved for your study. The sanctioned grant shall be disbursed to you as hardware (20 dental implants) in 3 instalments as mentioned in the ISP -MDS Dissertation Grant guidelines.

As per the terms of the ISP Research Grant Scheme the grant will solely be utilized for your Dissertation work titled, "Evaluation and comparison of bone changes around immediate loaded versus delayed loaded dental implants using platelet fibrin."

Dr. Pradeep Tangede

Reg. No. 3740-A
TMDC & RC, Moradabad, TMH

Intimation regarding inclusion as Co-Principal Investigator (Co-PI) in project proposal

1 message

no-replye@hq.icmr.org.in <no-replye@hq.icmr.org.in>
To: ICMR-ePMS <dr.vaishalimalikoffice@gmail.com>

12 March 2026 at 17:04

Dear Dr Vaishali Malik,

This is to inform you that a project proposal bearing Project ID IIRPSG(AN)-I-2026-01-03241 and titled **Correlation of Minimum Cross-Sectional Area of the Upper Airway with Obstructive Sleep Apnoea Severity Assessed Using Polysomnography in Indian Adults: A CBCT-Based Study** has been submitted on dated 12-Mar-2026 17:04:19 PM to the Indian Council of Medical Research (ICMR) under the call **Investigator-Initiated Research Proposals for ICMR SMALL Extramural Grants (ICMR ANVESHAN Extramural Grants)-2026** by Gaurav Pratap Singh as the Principal Investigator (PI), wherein your name has been included as Co-Principal Investigator (Co-PI).

The proposal has been submitted through the ICMR e-Project Management System (e-PMS) in accordance with the prescribed guidelines of the call.

In case you have any concern, observation, or reservation regarding your inclusion as Co-PI in the said project, you are kindly requested to communicate the same to this office at po.epms@icmr.gov.in, at your convenience.

In the event that no communication is received from your end, it shall be presumed that you have no objection, and your consent for inclusion as Co-Principal Investigator.

Thank you for your attention to this matter.

Important Note: This is an automated email. Kindly refrain from replying to this email.

Warm Regards
Program Officer



icmr
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e-Project Management System
Indian Council of Medical Research
Department of Health Research
Ministry of Health & Family Welfare
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Ansari Nagar, New Delhi - 110029, India
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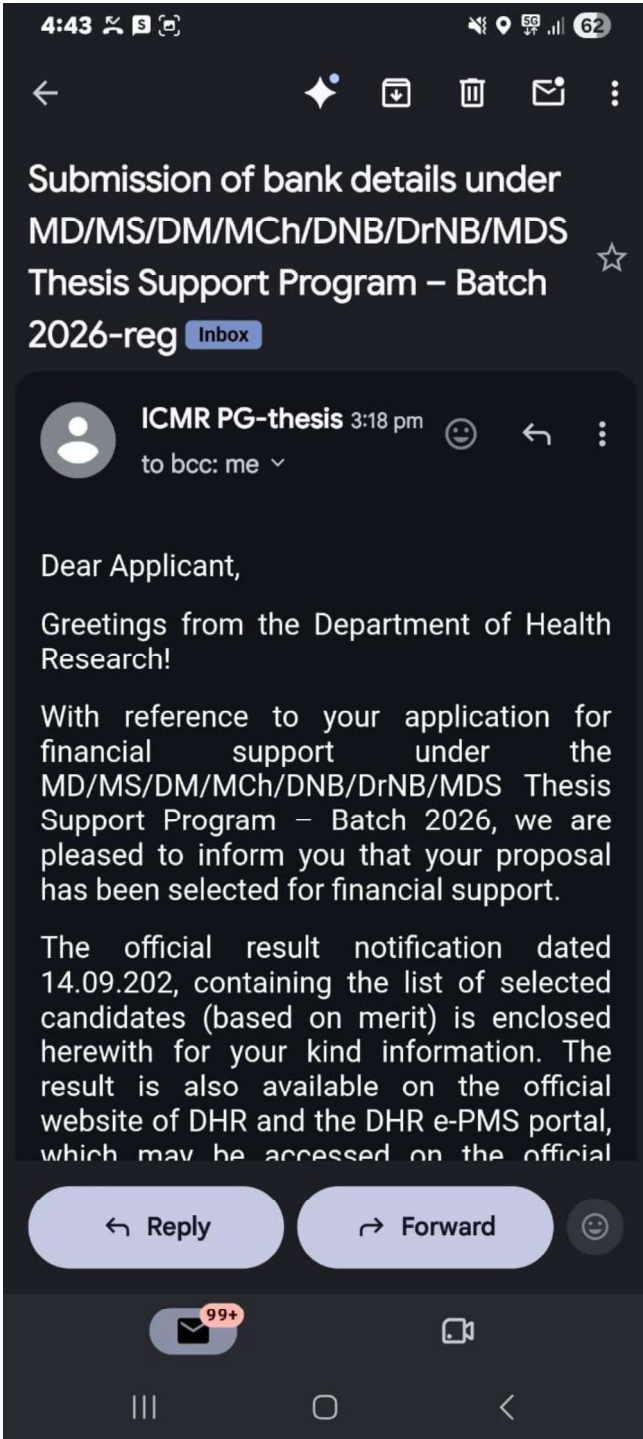

Officiating Principal
Dr. Pradeep Tangade
MDS
Reg. No.3740-A
TMDC & RC, Moradabad, TMU

Annexure: 3.11

No. of research projects (Govt. & Non-Govt.) Per teacher

S.No	Name of the PI/ Co-PI/Name of the person holding the Chair	Title of the research project, endowments, Research Chairs	Name of the funding agency	Duration	Year of award or sanction	Amount in INR (in Lakhs).
1	Dr. Ankita Jain	Efficacy of Patient-Centered Multimodal Audio-Visual Intervention on Tobacco Cessation, Oral Health Status and Psychosocial Well-Being among Tobacco Users in a Tobacco Cessation Clinic – A Randomised Controlled Trial	Indian Council of Medical Research (ICMR)	12 months	2026	1,00,000
2	Dr. Ankita Jain	Water-Powered Tongue Cleaning Device	Government of Uttar Pradesh – UP RISE 2026	24 months (proposed; subject to feasibility)	2026	25,000

ANNEXURE 3.11



DEPARTMENT OF HEALTH RESEARCH
HUMAN RESOURCE DEVELOPMENT SCHEME FOR HEALTH RESEARCH

UNDERTAKING FORM (MD/MS/DM/MCH/DNB/DRNB/MDS-THESIS SUPPORT)

I, TULIKA SAXENA Post-Graduate Resident from Department of
PUBLIC HEALTH DENTISTRY, working for the
MD/MS/DM/MCH/DNB/DrNB/MDS thesis (✓ tick appropriate), entitled as EFFICACY OF PATIENT-
CENTERED, MULTIMODAL AUDIO-VISUAL INTERVENTION ON TOBACCO CESSATION,
ORAL HEALTH STATUS & PSYCHOSOCIAL WELL-BEING AMONG TOBACCO under the
supervision of (Guide's name, designation & college name) DR. ANKITA JAIN CLINIC
-A

RANDOMISED
CONTROLLED
TRIAL

1. I, submit this undertaking to the effect that if selected, the grant received (to be released in two installments i.e. 1st= Rs. 50,000/- and 2nd and final=Rs. 50,000/-) from the DHR will be used strictly for the purpose of thesis support for which it has been released.
2. If I leave the Program in between the tenure, then the whole amount will be remitted to the DHR with suitable justifications.
3. I shall be providing the summary of the thesis; thesis submission letter issued by the complete authority of the host college along with the original research publication copy as first author in a PubMed/JCR indexed journal, from the thesis research work to DHR, New Delhi.
4. The duration of this fellowship is valid only for a period of five years from the date of issue of Award letter by DHR.
5. First installment of Rs. 50,000/- will be released after selection and submitting required documents as per existing guidelines, and the 2nd installment of Rs. 50,000/- will be released only after I submit the copy of publication (original research article from thesis work published in PubMed/JCR indexed journals) and thesis summary with thesis submission letter issued by the competent authority of the host college/institution.
6. DHR will be acknowledged in the thesis and the research publications from the thesis work.
7. The proposal has been thoroughly checked and verified by the Guide and Competent Authority of the Host Institute/Medical/Dental College and I also undertake that there is no plagiarism reported in the proposal submitted to DHR.
8. I hereby understand that for an unbiased and blinded review, the proposal does not include any of my personal information (Name/mobile/phone number/department/college name) or details of my Guide and the Institute/University/Medical College. If personal details, as mentioned above are found in the proposal then the application will be rejected
9. I will abide by all the DHR rules and guidelines for the said Program.

Fellow name: DR. ANKITA JAIN

Fellow Signature: [Signature]

Guide name with designation: DR. ANKITA JAIN

Signature and Seal

DR. ANKITA JAIN
Ph.D, MDS, FDS RCS Glasgow (UK)
Fellow International College of Dentists
Reg.No. 9452-A
TMDC & RC, Moradabad, TMU

Name of Head of the Institute

Signature and Seal

[Signature] 11/05/2026
Officiating Principal
Dr. Pradeep Tangade
MDS
Reg. No. 3740-A
TMDC & RC, Moradabad, TMU

WATER-POWERED TONGUE CLEANING DEVICE

Principal investigator – Dr. Ankita Jain, Vice Principal, Professor, dept. of Public Health Dentistry

1. Project Title: Development of WATER-POWERED TONGUE CLEANING DEVICE

2. Nature of the Idea: An improvement or enhancement of an existing product design adapting water pressure to remove the bacterial biofilm on the dorsal surface of tongue.

3. Project Category: Oral hygiene innovation

4. Problem: The dorsal surface of the tongue serves as the primary intraoral reservoir for anaerobic pathogens, exfoliated epithelial detritus, and volatile sulfur compound (VSC) production, contributing significantly to halitosis, periodontal re-infection, and systemic aspiration risks.

Conventional lingual hygiene depends almost exclusively on rigid plastic or stainless-steel mechanical scrapers and manual brushes. These solutions present three severe limitations:

- **Mucosal Micro-Trauma:** Rigid edges repeatedly abrade filiform and fungiform papillae, leading to pain and petechiae.
- **High Pharyngeal Triggering:** Bulky scraper geometries trigger an exaggerated gag reflex, leading to early discontinuation and poor long-term compliance.
- **Inaccessibility for Vulnerable Demographics:** Traditional manual scraping is difficult or hazardous for institutionalized elderly, bedridden patients, and individuals with physical limitations or special healthcare needs due to aspiration and tissue laceration hazards.

5. Evidence and Validation:

□ **Microbial Sequestration:** Lingual crypts shelter critical periodontal and halitosis-associated anaerobic pathogens (notably *Porphyromonas gingivalis*, *Tannerella forsythia*, and *Fusobacterium nucleatum*) within an extracellular glycocalyx matrix that cannot be thoroughly evacuated by superficial shearing alone without soft-tissue irritation.

□ **Compliance Barriers:** Field and clinical studies demonstrate that elevated Gagging Severity Index (GSI) and Gagging Problem Index (GPI) scores correlate with non-compliance in daily mechanical debridement.

□ **Outreach Limitations:** Public health dental camps frequently lack portable, mucosal-safe debridement tools that integrate localized irrigation without triggering gagging or causing lacerations in uncooperative or sensitive individuals.

ORALCARE INNOVATORS presents **WATER-POWERED TONGUE CLEANING DEVICE**



Beyond the scraper: The future of complete lingual hygiene

**GUIDED BY : DR. ANKITA JAIN (VICE PRINCIPAL,
PROFESSOR DEPT. OF PUBLIC HEALTH DENTISTRY
TEERTHANKER MAHAVEER DENTAL COLLEGE AND RESEARCH CENTER)**

REPORT ON ACHIEVEMENT AT UP RISE 2026

UP's Biggest Campus Innovation & Career Drive

Date of Event: 30 September 2026

Venue: Teerthanker Mahaveer University, Moradabad

Organized by: Teerthanker Mahaveer University in association with Times Network and ZOOM

Awardee: Dr. Ankita Jain, Vice Principal & Professor, Department of Public Health Dentistry, Teerthanker Mahaveer Dental College & Research Centre

Funding Awarded: ₹25,000/-

Teerthanker Mahaveer University hosted **UP RISE 2026 – UP's Biggest Campus Innovation & Career Drive** on **30 September 2026**, providing a platform for innovative ideas, entrepreneurship, mentorship, and startup funding.

Dr. Ankita Jain, Vice Principal & Professor, Department of Public Health Dentistry, Teerthanker Mahaveer Dental College & Research Centre, participated in the event with her innovative project titled **"Development of Water-Powered Tongue Cleaning Device."** The project focuses on an oral hygiene innovation that adapts controlled water pressure for removal of bacterial biofilm from the dorsal surface of the tongue.

The innovative concept was **selected as a winner at UP RISE 2026**, and **Dr. Ankita Jain was awarded funding of ₹25,000/-** in recognition of the potential and merit of the proposed innovation.

The achievement highlights the commitment of **Teerthanker Mahaveer Dental College & Research Centre, Teerthanker Mahaveer University** towards promoting innovation, research, entrepreneurship, and development of practical solutions in oral healthcare.

Photograph of the Event / Award Ceremony

