

INDIAN SOCIETY OF PEDODONTICS & PREVENTIVE DENTISTRY

PRESIDENT

PROF. (DR.) SHASHIKIRAN N.D.

MDS

DEAN,

SCHOOL OF DENTAL SCIENCES, MALKAPUR,
(DIST. SATARA), MAHARASHTRA, INDIA.
PIN - 415539
EMAIL: DRNDSHASHIKIRAN@GMAIL.COM



SECRETARY GENERAL

PROF. (DR.) VARINDER GOYAL

MDS, MFDS RCPS(GLASGOW)

PROFESSOR AND CHAIR,

DEPTT. OF PEDIATRIC DENTISTRY
GURU NANAK DEV DENTAL COLLEGE & RESEARCH
INSTITUTE, SUNAM-148028, PUNJAB
EMAIL: SECRETARY@ISPPD.ORG.IN

Ref. No. ISPPD/2025/152

Date: 17.09.2025

ISPPD Research Assistance Grants 2025

Approved Research Proposals

I. Life Members

Sn	Name	Topics
1.	Dr. Abhilasha Agarwal	Development and Validation of a Deep Learning-Based AI Model for Detection of Early Childhood Caries Using Intraoral Photographs in Indian Preschool Children: A Pilot Study
2.	Dr. Anju.R.V.	A Comparative evaluation of storage media boiled fortified rice water and fermented boiled fortified rice water on the viability of Periodontal ligament cells on Exarticulated teeth. - An invitro study”
3.	Dr. Anshula Deshpande	Comparative Assessment of Bioflx crown, Composite crown and Stainless steel crown in patient having Molar Incisor Hypomineralisation: A Randomised Clinical Study
4.	Dr. G. Deepthi Nirmal	Evaluation of the effects of Indian Ultra-Processed Foods (UPF's) on tooth enamel: A multi-parametric in-vitro study
5.	Dr. Gauri Kalra	Antioxidant Efficacy of the Grape Seed Extract as an Intracanal medicament during Root Canal Preparation in primary teeth
6.	Dr. Kakarla Pranitha	Comparative evaluation of antimicrobial efficacy, cytotoxicity, clinical and radiographic outcomes of different Calcium Hydroxide-Iodoform Combinations in primary root canals.”
7.	Dr. Mahesh Ramakrishnan	Effect of the pathogenic variants on gene and protein expression profiles to identify the possible molecular pathways associated with the Non syndromic cleft lip/palate.
8.	Dr. Selvakumar Haridoss	Prevalence of Malocclusion and Its Association with Oral Habits and Early Tooth Loss: A Multicenter Cross-Sectional Study in Indian Children
9.	Dr. Shreya S	Smart Screening for Small Sleepers: A Hybrid Approach Using the FAIREST Scale and Finger Sensor in Pediatric OSA
10.	Dr. Umadevi E	Comparative evaluation of effectiveness of Hypnosis with conscious sedation on reducing dental anxiety through assessing the salivary cortisol level among children under going LA administration.



+91-9855466666



secretary@isppd.org.in



Deptt. of Pediatric Dentistry, Guru Nanak Dev Dental
College, Bhatinda Patiala Road, Sunam-148028,

INDIAN SOCIETY OF PEDODONTICS & PREVENTIVE DENTISTRY

PRESIDENT

PROF. (DR.) SHASHIKIRAN N.D.

MDS

DEAN,

SCHOOL OF DENTAL SCIENCES, MALKAPUR,
(DIST. SATARA), MAHARASHTRA, INDIA.
PIN - 415539
EMAIL: DRNDSHASHIKIRAN@GMAIL.COM



SECRETARY GENERAL

PROF. (DR.) VARINDER GOYAL

MDS, MFDS RCPS(GLASGOW)

PROFESSOR AND CHAIR,

DEPTT. OF PEDIATRIC DENTISTRY
GURU NANAK DEV DENTAL COLLEGE & RESEARCH
INSTITUTE, SUNAM-148028, PUNJAB
EMAIL: SECRETARY@ISPPD.ORG.IN

2. Students Members

Sn	Name	Topics
1.	Dr. Akshayakumar S	Preventive Management of Developmental Dental Defects in Children of Gestational Diabetic Mothers: A Clinical Trial
2.	Dr. Ambalakarra Divya	Evaluating the remineralizing potential of various remineralizing agents on bleached enamel - An Invitro study.
3.	Dr. Apurva Manohar Patil	Effectiveness of Weighted Blanket-Assisted Deep Pressure Stimulation in Reducing Anxiety and Pain During Local Anesthetic Injection for Pulpotomy in Children Aged 6–12 Years :A Randomized Controlled Trial.
4.	Dr. Ayushi Sinha	Development and evaluation of gamified oral hygiene education as a motivational strategy for preschool children
5.	Dr. Disha Doshi	Comparative analysis of eye tracking technology and visual pedagogy in identifying anxiety provoking areas in a pediatric dental operatory among children aged 7-10years
6.	Dr. GireejaZagade	Title of research project: Comparative Evaluation of Effect of Distraction Techniques using Virtual Reality, Binaural Beats and Cartoon Assisted Visual/Audio Analgesia Methods on Pain Perception and Anxiety Levels in 6 – 10-year-old children
7.	Dr. Ilma Khan	Optimizing Sugar Literacy in Central Board of Secondary Education Schools: A Multi-Modal Evaluation of the Sugar Board Initiative for Scalable Policy Integration
8.	Dr. Itika Jain	Impact of Intracanal Cryotherapy on Postoperative Pain and Antimicrobial Efficacy in Primary Teeth : A randomized clinical trial
9.	Dr. Mausam Kumari	Evaluation of salivary biomarkers fibronectin, statherin and cathelicidin II - 37 for early childhood caries risk assessment: a clinical study
10.	Dr. Meghna Bhargava	Child-centered digital interventions : a comparative study on alleviating procedural anxiety in pediatric dentistry
11.	Dr. Namratha	Assessment of the Efficacy of Linking Memory Incorporated as Early Childhood Pre-Appointment Behavior Modification Technique on Dental & State-Trait Anxiety: A Behavioral Intervention Study
12.	Dr. Negha Biju	Comparative evaluation of slow maxillary expansion with or without orofacial myofunctional therapy in children with disturbed sleep disorders – a randomized control trial
13.	Dr. Parthipann J	Formulation and Pharmacological Evaluation of Custom-made Herbal Topical Anesthetic gel in Animal model
14.	Dr. Pesala Neeraja	Assessment of the Impact of Stages of Labor and Fetal Position on the Development of Malocclusions-A Prospective cohort study



+91-9855466666



secretary@isppd.org.in



Deptt. of Pediatric Dentistry, Guru Nanak Dev Dental
College, Bhatinda Patiala Road, Sunam-148028,

INDIAN SOCIETY OF PEDODONTICS & PREVENTIVE DENTISTRY

PRESIDENT

PROF. (DR.) SHASHIKIRAN N.D.

MDS

DEAN,

SCHOOL OF DENTAL SCIENCES, MALKAPUR,
(DIST. SATARA), MAHARASHTRA, INDIA.
PIN - 415539

EMAIL: DRNDSHASHIKIRAN@GMAIL.COM



SECRETARY GENERAL

PROF. (DR.) VARINDER GOYAL

MDS, MFDS RCPS(GLASGOW)

PROFESSOR AND CHAIR,

DEPTT. OF PEDIATRIC DENTISTRY
GURU NANAK DEV DENTAL COLLEGE & RESEARCH
INSTITUTE, SUNAM-148028, PUNJAB
EMAIL: SECRETARY@ISPPD.ORG.IN

15.	Dr. Poonam V. Kandekar	Comparison of Efficacy of 4% Articaine with Adrenaline and 2% Lidocaine with Adrenaline as Local Anesthetic in Restorative Treatment of Permanent Molars with Molar Incisor Hypomineralisation (MIH) in 6–14-Year Old Children – A Randomized Clinical Study."
16.	Dr. Preksha Parakh	A Comparative Evaluation of Non-instrumental Endodontic Therapy (NIET) and Non-instrumental Endodontic Therapy with Non-Vital Pulp Therapy (NIET+NVPT) of Primary Molars: A Randomised Clinical Study.
17.	Dr. Sakshi Sharan	Probiudent: Dual – Action Toothpaste for Early Caries Prevention
18.	Dr. Saloni Sandeep Joshi	Comparative Evaluation of Egg Shell based Hydroxyapatite, Feracrylum Gel and Mineral Trioxide Aggregate as Pulpotomy agent in Primary Molars: A three arm randomised controlled clinical study.
19.	Dr. Shagun Chhikara	Comparative Evaluation of antimicrobial efficacy of two herbal products and chlorhexidine on E.faecalis: an in vitro study
20.	Dr. Shalini B	Morphometric Analysis of Palatal Rugae Patterns and their Association with Malocclusion in Mixed Dentition: A Retrospective 3D Imaging Study
21.	Dr. Sherin Meriya Williams	Comparative evaluation of the pain perception following topical application of 2% Lignocaine gel and Acmella oleracea gel prior to intraoral injection in 6-12 year old children -an in vivo study"
22.	Dr. Shraddha M.Shirsat	Comparative evaluation of oral health and general health status in children with positive and negative functional domain of Functional Airway Evaluation Screening Tool (FAIREST-6)
23.	Dr. Sparsh	Comparative evaluation of the effects of autoclaving on cyclic fatigue resistance and surface topography of various pediatric Niti rotary files : An in vitro study
24.	Dr. Shreya Bhat	Clinical Evaluation of Titanium Nitride Coated Preformed crowns versus Stainless steel crowns in Primary teeth: A split mouth, randomized controlled trial
25.	Dr. T Sharanya	Evaluation of Long-term Effect of Negative Sculpturing and Passive Moulding on Maxillary arch dimensions in Children with Unilateral Cleft Lip and Palate during Deciduous Dentition
26.	Dr. Tanisha. S	Comparative evaluation of tech-enhanced comfort in pediatric dentistry: the impact of photo biomodulation and sensory stimulation on pain and anxiety
27.	Dr. Thasleema N	Evaluation of salivary alkaline phosphatase activity and demirjians mandibular second molar calcification stages for pubertal growth assessment and their correlation with mp3 stages usi
28.	Dr. Yashi Rastogi	Development of Novel Software Compatible with QLF Imaging Technology in Early Detection of Dental Erosion Lesions



+91-9855466666



secretary@isppd.org.in



Deptt. of Pediatric Dentistry, Guru Nanak Dev Dental
College, Bhatinda Patiala Road, Sunam-148028,

INDIAN SOCIETY OF PEDODONTICS & PREVENTIVE DENTISTRY

PRESIDENT

PROF. (DR.) SHASHIKIRAN N.D.

MDS

DEAN,

SCHOOL OF DENTAL SCIENCES, MALKAPUR,
(DIST. SATARA), MAHARASHTRA, INDIA.
PIN - 415539
EMAIL: DRNDSHASHIKIRAN@GMAIL.COM



SECRETARY GENERAL

PROF. (DR.) VARINDER GOYAL

MDS, MFDS RCPS(GLASGOW)

PROFESSOR AND CHAIR,

DEPTT. OF PEDIATRIC DENTISTRY
GURU NANAK DEV DENTAL COLLEGE & RESEARCH
INSTITUTE, SUNAM-148028, PUNJAB
EMAIL: SECRETARY@ISPPD.ORG.IN

3. Travel Grant

SN	Name	Topics
1	Dr. Gyanendra Kumar	Artificial Intelligence (AI)-Based Guided Mouth Opening Device.”



Dr. Varinder Goyal

Professor and Chair , Department of Pediatric Dentistry, Guru Nanak Dev Dental College& Research Institute, Sunam, India.

Member, Board of Directors, International Association of Pediatric Dentistry,
President of South Asian Association of Pediatric Dentistry, Board Member of Pediatric Dentistry Association of Asia and Past President, Indian Society of Pedodontics & Preventive Dentistry.

Copy to: The President, ISPPD



+91-9855466666



secretary@isppd.org.in



Deptt. of Pediatric Dentistry, Guru Nanak Dev Dental
College, Bhatinda Patiala Road, Sunam-148028,