

INDIAN SOCIETY OF PEDIATRIC & PREVENTIVE DENTISTRY

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Ref. No. ISPPD/2026/96

Date: 05.09.2026

ISPPD Research Assistance Grants (2026)

Approved Research Proposals

1. Life Members

Sn	Name	Topics
1.	Dr. Lalitha S Jairam	Development of a Protective Salivary Biomarker Index (SAFE-ECC) Using Salivary Buffering Capacity and Alkali-Generating Biomarkers for Early Childhood Caries Risk Assessment
2.	Dr. Charisma Thimmaiah	Comparative Evaluation of Mechanical Properties and Ion Release of Nano-Silver Fluoride vs Bioactive Glass Modified Glass Ionomer Cement – An In Vitro Study
3.	Dr. Chiranjivi Jayam	An in-vitro study assessing the penetration of intracoronal bleaching agents across calcium silicate based coronal barriers in pulpless immature permanent teeth.”
4.	Dr. Aakansha Sharma	The SENSE Trial: Sensory-Guided Self-Regulation for Suppression of Gag Reflex During Maxillary Impression Making in Children — A Four-Arm Randomized Controlled Clinical Trial
5.	Dr. Laxmi Tribhuvanan	Development and Psychometric Validation of the SENSE Scale (Sensory Evaluation Scale for Pediatric Dental Patients): A Novel Clinical Instrument for Assessing Sensory Processing Difficulties During Dental Treatment
6.	Dr. Hitesh Chander	Treatment effectiveness of pulpotomy as compared to pulpectomy for management of symptomatic irreversible pulpitis in primary teeth: A randomized controlled trial
7.	Dr. Parul Tyagi	Radiomic Analysis as a quantitative imaging biomarker for Predicting the Pulpotomy success in Primary Dentition: A Prospective Longitudinal Cohort Study
8.	Dr. Serene Joy	In-Silico Proteomic profiling and Comparative Antibacterial Evaluation of Dry Decellularized Cord Tissue and Amniocare® Against Endodontic Pathogens
9.	Dr. Kanamarlapudi Venkata Saikiran	Development and Validation of a Smartphone Application Integrating a Composite Severity-Distribution-Urgency Classification System for Standardised Chairside and Field Recording of Molar Incisor Hypomineralisation in Children: A Pragmatic Study



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10.	Dr. Neeti Mittal	Development and validation of an AI-powered conversational screening assistant for pediatric sleep-disordered breathing screening
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2. Student Members

Sn	Name	Topics
1.	Dr. Chaithra M	Validation of the Kannada Version of the Emotionality, Activity, Sociability (EAS) Temperament Survey (Parental Ratings) among 7-11-year-old Children in Mangalore: A Cross-Sectional Study
2.	Dr. Sanjana H C	Development of a novel, eco-friendly toothbrush and assessment of its physicochemical, antibacterial and dental abrasivity properties : an in-vitro study
3.	Dr. Monisha Gopal	Palatal rugae patterns as a potential tool for determination of gender and their significance in odontometry in mixed dentition.
4.	Dr. Khushbu Vinodbhai Desai	Remineralization Potential and Penetration Depth of Nano-Silver Fluoride Using Different Application Protocols in Primary Teeth: An In Vitro Study
5.	Dr. Spoorthy D	Evaluation of Physico-mechanical properties of Halloysite Nanotube Reinforced Glass Ionomer Cements for Paediatric Dentistry: An In Vitro Study
6.	Dr. Dishu Shah	Association of probable sleep bruxism with orofacial dysfunctions in six- to thirteen-year-old children: a cross-sectional study
7.	Dr. Chandrika Srivastava	Comparative In Vitro Evaluation of Antimicrobial Efficacy against E. faecalis and Smear Layer Removal Efficacy of Terminalia arjuna, Syzygium cumini and Their Combination as Root Canal Irrigants in Primary Teeth
8.	Dr. E.S.S. Sudhamayi	Evaluating the Effectiveness of Autonomous Sensory Meridian Response and Virtual Reality in Alleviating Dental Anxiety Among 7-12-year-olds: A randomized clinical trial
9.	Dr. Telagathoti Lilly	Evaluation of the Whitening Efficacy and Enamel Safety of PhthalimidoPeroxyacetic acid and Bromelain whitening formulation Gel: An In Vitro Comparative Study.
10.	Dr. Pavitra M	Evaluation and comparison of probiotic and fluoridated tooth paste on salivary alpha amylase, streptococcus mutans, buffering capacity and salivary PH in children with and without caries ; A Randomized Clinical Study.



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11.	Dr. Aamukhta Chigurupati	Evaluation of Microhardness and Microleakage of Powder-Liquid MTA and Pre-Mixed Putty MTA in Simulated Open Apex Teeth: An In-Vitro Comparative Study
12.	Dr. Mausami Bharali	Comparative Evaluation of 3D Printed, Preformed Band with Custom-made Loop and Conventional Band and Loop Space Maintainers in Children: A Randomized Clinical Study
13.	Dr. Titus Shajan	Comparative Evaluation of Clinical Effectiveness of Two Therapeutic Agents for Local Hemostasis After Primary Molar Extraction in Children Aged 5-12 Years: A Prospective Randomized Control Study
14.	Dr. Sharvari Ingale	Comparative evaluation of remineralizing potential of paste containing hydroxyapatite and chitosan with CPP ACPF paste - an in vitro study."
15.	Dr. Aarya Murali	Prevalence and Pattern of Supernumerary Teeth Among 6-16-Year-Old Children in Kerala: A Retrospective Panoramic Radiographic Study
16.	Dr. Supriya Rekha S K	A Randomized Clinical Trial comparing three obturating materials in pulpectomy of primary teeth
17.	Dr. Payal Mahesh Pitale	Association between Oral health status, Periodontal status, Dental caries experience & Malocclusion in Nephrotic syndrome children with Healthy children in Central Maharashtra.
18.	Dr. Alia Parveen	Effectiveness of a Novel Quantified Toothpaste Dispenser for Children Aged 3-6 Years: An Interventional Study
19.	Dr. Aryan Varshney	Comparative evaluation of three mixed dentition analyses for prediction of unerupted canine and premolar width in school-going children in Moradabad district
20.	Dr. Himani Singh	Evaluation of antibacterial property and remineralising potential of MI varnish fortified with polyethylene glycol coated copper nanoparticles : An In-Vitro Study
21.	Dr. M Prasuna Neha Priya	Evaluation of Salivary Presepsin as a Non-Invasive Diagnostic Biomarker for Assessing Pulpal Inflammation in Young Permanent Teeth: A Prospective Observational Study
22.	Dr. Sejal Karwa	Effectiveness of an Android-Based Mirror-Imaging Video Application for guided Tooth brushing Technique in Children Aged 7-12 Years: A Randomized Controlled Trial
23.	Dr. Jothi Kiruthika S	Evaluation of Cariogenic and Erosive Potential of Six Commercially Available Pediatric Oral Nutritional Supplements: An In Vitro Study



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24.	Dr. Iragani Srikanth Sabarish	Comparison of clinical and radiographic success of Carious primary molars when treated with Hall's Technique and Modified Hall's Technique: A Split-mouth Double Blinded Randomized Controlled Clinical Trial
25.	Dr. K Maheshwari	Comparative Evaluation of Concentrated Growth Factor vs Diode Laser Pulpotomy in Primary Molars - A Randomised Controlled Trial

Sincerely yours,



Dr. Varinder Goyal

Copy to: The President, ISPPD



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