



JSS
ACADEMY
OF HIGHER
EDUCATION
& RESEARCH
MYSURU

(DEEMED TO BE UNIVERSITY)

Special Interest Group

On



Quality and Safe Use of Dental Materials

An Initiative
of
Research Division
JSS AHER, Mysuru-15.



Team Lead
Dr. Dakshaini M R
Principal
JSSDC&H, Mysuru

Started on 2019-20



JSS Academy of Higher Education & Research

(Deemed to be University)

Accredited by NAAC with 'A' Grade

Sri Shivarathreeshwara Nagara, Mysore-570 015, Karnataka, India

Phone No.: 0821-2548393 Fax No.: 0821-2548394 Email: registrar@jssuni.edu.in, Web: www.jssuni.edu.in

Ref: REG/ACA/SIG/DM/424/2019-20 /15428

Date:28.03.2024

NOTIFICATION

Sub: Constitution of Special Interest Group in “Quality and Safe Use of Dental Materials.”

Ref: Your request letter No. DCH/ACG/206/2023-24/1934 Dated 09.02.2024

In exercise of powers conferred under Section 50 (xxii) and 12 [xi (a)] of the MoA/Rules of JSS Academy of Higher Education & Research as per UGC Regulations 2016, the Special Interest Group (SIG) in the area of “Quality and Safe Use of Dental Materials” has been constituted for focusing on basic and applied research in the mentioned area with the following members:

Sl. No.	Name of the proposed members	Remarks
01	Dr. Dhakshaini M R Principal JSS Dental College & Hospital, Mysuru	Group Leader
02	Dr. B Nandlal Prof & Head Dept of Paedodontics & Preventive Dentistry, JSS Dental College & Hospital, Mysuru	Member
03	Dr. Sumana M N Professor Dept of Microbiology, JSS Medical College, Mysuru	Member
04	Dr. Seema Deshmukh Reader Dept of Paedodontics, JSS Dental College & Hospital, Mysuru	Member
05	Dr. Pramod Kumar T Principal JSS College of Pharmacy, Mysuru	Member
06	Dr. Prashant S Asso. Dean (Academics) JSS AHER	Member
07	Dr. Indira M D Lecturer Dept of Paedodontics & Preventive Dentistry, JSS Dental College & Hospital, Mysuru	Member
08	Dr. Shobha P Senior Research Fellow Central of Materials Science & Technology Vijnana Bhavan University of Mysuru	External Member

The SIG “Quality and Safe Use of Dental Materials” shall function for a period of three years from the date of Notification.

(P.T.O)

The SIG shall submit their report once in six months to the JSS AHER. The budget for the functioning shall be submitted by the Group leader of the SIG and approval shall be obtained from JSS AHER for carrying out their various activities.


REGISTRAR

To,

All the above members,

Copy to,

1. The Pro-Chancellor, JSS AHER
2. The Vice Chancellor, JSS AHER.
3. Finance Officer, JSS AHER
4. Dean (Research), JSS AHER.
5. Dy. Deans (Research), JSS AHER.
- ~~6.~~ The Principal, JSS Dental College & Hospital, Mysuru
7. Office Copy

Name of the SIG: Quality and Safe Use of Dental
Materials

Approval Reference: REG/ACA/SIG/DM/424/2019 –
20/15428 dated 28.03.2024)

Name of the Team Leader: Dr. Dakshaini MR

Members



Group Leader

Dr. Dakshaini MR
Principal, JSS DCH
Mysuru



Founder Member

Dr. Nandlal B
Prof & HOD
Dept of Pediatrics & prevention Dentistry JSS DCH,
JSS AHER, Mysuru



Member

Dr. Prashanth S
Dy. Director (Academics)
JSS AHER, Mysuru



Internal Member

Dr. Annapoorna B M
Prof & HOD Dept of Conservative Dentistry &
Endodontics,
JSS DCH, Mysuru



Internal Member

Dr. Meenakshi
Assistant Professor,
Dept of Prosthodontics & Crown and Bridge, JSS
DCH JSS AHER, Mysuru



Internal Member

Dr. Pramod Kumar TM
Principal,
JSS College of Pharmacy, Mysuru



Internal Member

Dr. Indira MD
Assistant Professor,
Dept of Pediatrics & prevention Dentistry JSS DCH,
JSS AHER, Mysuru



Internal Member

Dr. Seema Deshmukh
Associate Professor,
Dept of Pediatrics & prevention Dentistry JSS DCH,
JSS AHER, Mysuru



External Member

Dr. Sham Bhat
Vice Principal Dept of Pediatrics & prevention
Dentistry, Yenepoya Dental College, Mangalore



External Member

Dr. Shubha P
Research Associate
Dept of Sericulture
Manasagangotri UoM

Objectives

Innovate

Identify current trend in research in the field of Dental Materials.

Submit Projects to external funding agencies

Fabrication of novel dental materials including Nano materials incorporated in various dental materials thereby improving the properties

Biocompatibility of the newer formulation.

Collaborate

Collaborate with the state of the art laboratories for the development of newer restorative materials.

Develop well equipped laboratory with diverse tools for screening the dental materials.

Upgrade

Translate the research findings into clinical applications.

Organize and conduct Seminars, workshops, lecture series and upgradation programs to keep in par with the recent advancements and to emphasize on the safe and proper use of the restorative

Research through the special interest group concerning the QUALITY AND SAFE USE OF DENTAL MATERIALS is focused at the following objectives:

1) Identify the area of ongoing research in the field of Dental Materials.

2) Submit Projects and carry out research in developing new techniques for fabrication of novel dental materials including Nano materials.


- 3) Develop methods of fabrication of Nano-particles nano spheres which can be incorporated in various dental materials thereby improving the properties.
- 4) Conduct research related to the biocompatibility of the restorative material and its biological impact.
- 5) Collaborate with the state of the art laboratories for the development of newer restorative materials.
- 6) Develop well equipped laboratory with diverse tools for screening the dental materials.
- 7) Create awareness in the dental fraternity by the means of continuous dialogue and demonstrations.
- 8) Translate the research findings into clinical applications.
- 9) Organize and conduct Seminars, workshops, lecture series and upgradation programs to keep in par with the recent advancements and to emphasize on the safe and proper use of the restorative materials.

Activities Conducted

Workshop



SIG (Quality and Safe Use of Dental Materials) in collaboration with GC India Pvt Ltd organized a Continuing Dental Education (CDE) program on “Newer Technologies in Dental Materials Including Their Safety”. The program was organized on 19th January 2014. Prof. Dr. Santosh Ravindran delivered a guest lecture on the Newer technologies in the Dental Materials stressing on the safety of the same. More than 50 participants including general dental practitioners from all over Mysore and surrounding places attended the program and were benefited.



DiponEd
BIOINTELLIGENCE
(In association with SIG Quality and safe use of dental materials)
JSS Dental College & Hospital, Mysuru

Recent advancements in Regenerative Dentistry

Webinar Speakers

Dr Sphoorthy Anup Belludi

Dr Rani James

Date : 27/6/20
Time : 3:00 PM



WEBINAR

ARTistry-ART Revisited

June 27th 2020 • 4:00 PM

Dr Chandramouli
Manager : Academic & Scientific Affairs at GC India

5 YEARS OF FLEXIBILITY IN IMPRESSION MAKING

REGISTER NOW!

In association with SIG : Quality and safe use of dental materials , JSS Dental College & Hospital

Special Interest Group (SIG) – Quality and Safe Use of Dental Materials organized virtual webinar series on Saturday 27th June 2020 at 3.00PM. The webinar focused on treatment modalities and technologies that would be applicable for the present COVID 19 scenario. Opening remarks about the constitution of the SIG – Quality and Safe Use of Dental Materials was given by Dr. Seema Deshmukh. She enumerated the objectives of the SIG and emphasized on the need of having a group working with common goal. Group leader Dr. Ravindra S welcomed the resource faculty and the participants who had joined the webinar. The participants were enriched with clinical tips and knowledge in the current COVID 19 scenario by the well versed and experienced resource faculty Dr. Spoorthy Anup Belludi, Prof and HOD, Dept of Periodontology, KLE institute of Dental Sciences, Bangalore, Dr. Rani James, Senior Scientist at Dipon Ed Biointelligence, Bangalore and Dr. Chandramouli, Manager Academic and Scientific Affairs, GC India.

In her lecture on Advancements in regenerative dentistry, Dr. Spoorthy shared with the participants the research activities conducted in the regeneration of biological tissues with Merisis kits available at DiponEd Biointelligence. The lecture focused on the Platelet Rich Fibrin Matrix (PRFM) as a new breakthrough in regeneration of the oral biological tissues. The lecture stimulated many young researchers working on this field. This was followed by brief note on the fellowship courses related to the regenerative medicine available at DiponEd BioIntelligence, Bangalore. This opened up additional avenues for the aspiring graduates attending the webinar. Further as continuation of the webinar series, Dr. Chandramouli presented a detailed session on the ARTistry – Art Revisited. In the present circumstances of COVID 19 pandemic, there is need for reforming the clinical dental practice so as to maintain the integrity of safety protocols in the dental operator. Dr. Chandramouli described techniques and materials which could be used to provide effective and efficient dental practice. Brainstorming sessions on the regenerative dentistry and restorative dentistry was followed by live demonstration and description of Air purifier by Mr. Ankur Chawla, Director sales, Crusaders Technology, Pvt, Ltd. With higher emphasis on air purification the presence of Air Purifier in the dental operator is the need of the hour. Hence with the focus on the operator and patient safety, live demonstration of Air purifier was organized during the webinar series.

The founder leader of the SIG and organizer of the webinar Dr. Nandlal moderated the sessions and added on significantly to the contribution by the resource faculty. More than 350 participants benefitted from the webinar series. Special participants joined for the webinar include senior most pedodontist and former dean of Manipal Institute of dental sciences Dr. Shobha Tandon. Dr. Sivakumar N Dean of Narayana Dental College & Hospital, Nellore and Dr. Nirmala Professor, Dept of Pedodontics, Narayana Dental College & Hospital, also joined for the session.

JSS Dental College & Hospital

SIG Quality & Safe use of Dental Materials



**FOSTERING RESEARCH IN
DENTAL MATERIALS**

26th MAY 2021
3:00 PM - 5:00 PM

ABOUT US

- ✓ This Special Interest Group (SIG) focuses on carrying out research in developing new techniques for fabrication of novel dental materials, conducting collaborative avenues, translate research to clinical applications and create awareness in the dental fraternity by the means of continuous dialogue and demonstrations. Biocompatibility of the restorative material and its biological impact also remains as one of its prime objectives.



PATRONS



Dr. Suresh Bhojraj
Pro Chancellor



Dr. Surinder Singh
Vice Chancellor



Dr. Manjunatha B
Registrar



Dr. Kushalappa P A
Director (Academics)



Dr. Ravindra S
Principal

1	3:15 to 4:00PM	<p>Lecture 1: Emerging Trends in Advanced Nanomaterials for Dentistry</p>	<p>Prof.K.Byrappa, Ph.D. (Moscow),FRS C (UK),FWAC(It aly),FAPAM Secretary General, Asia Pacific Academy of Materials Pro-Vice Chancellor & Dean, Research, Adichunchana giri University Former Vice Chancellor, Mangalore University</p>
2	4:00 – 4:45PM	<p>Lecture 2: Polymers with Antimicrobial Properties for Prosthetic Applications</p>	<p>Lecture 2: Polymers with Antimicrobial Properties for Prosthetic Applications</p>

This on Fostering Research in Dental Materials was organized by the Special Interest Group on Quality and Safe Use of Dental Materials. Special Interest Groups of JSS Academy of Higher Education and Research are the unique initiatives that paves the way of the researchers in focused areas.

Dr. Kushalappa graced the occasion as the chief guest. He appreciated the efforts of SIG - Quality and Safe Use of Dental Materials in fostering the research culture. He also expressed his gratitude towards the resource faculty for having sparing the time for the webinar.

Prof.K.Byrappa,Ph.D, Secretary General, Asia Pacific Academy of Materials Pro-Vice Chancellor & Dean, Research, Adichunchanagiri University, Former Vice Chancellor, Mangalore University and Dr. Kishore Ginjupalli. Associate Professor and Head. Department of Dental Materials. Manipal College of Dental Sciences, Manipal Academy of Higher Education were the resource faculty for the day. Dr. Byrappa delivered guest lecture on Emerging Trends in Advanced Nanomaterials for Dentistry. Dr. Kishore Ginjupalli, briefed about Polymers with Antimicrobial Properties for Prosthetic Applications. More than 150 participants benefitted from the webinar.



Special Interest Group - Quality and Safe Use had organized hands-on workshop on Materials and Concepts of Teeth Whitening on 09.12.2022. Dr. Santosh Ravindran, an Entrepreneur from Mumbai graced the occasion as the resource faculty and shared his knowledge on teeth whitening with the students of JSSDCH. The program was supported by FGM Dental Products and Mix Pac products. Undergraduates and postgraduates from JSSDCH attended the program.

The program began with an introductory note from Dr. Nandlal B, group member, SIG – Quality and Safe Use of Dental Materials. Dr. Seema Introduced the speaker for the day. Dr. Santosh Ravindran provided comprehensive knowledge on the use of teeth- whitening materials. Hands on demonstration was also provided on the volunteer. The participants were then provided with materials for hands on experience. The teeth whitening materials provided by the FGM dental products will further be taken up for exploratory research with other external members of SIG.





SIG - Quality and Safe Use of Dental Materials in association with Indian Academy of Aesthetic and Cosmetic Dentistry (IAACD). 6 pre conference courses were organised under this association from SIG on 18th August 2023. Different eminent speakers across the country shared their expertise. The topics for the pre- conference course were as follows:

1. Effective teeth whitening strategies for your daily practice – Dr. Foo You Han
 2. Blending Bioemoluation and role of fibres in dentistry – Dr. Nikhil Bhaguana
 3. Direct – Indirect Symphony – Dr. Sachindeep Singh
 4. Polychromatic anterior composite restorations – Dr. Arun Jaysheel
 5. Single shade restorative in your practice – Dr. Priya Titus
 6. Bioactive solutions for smart restorations – Dr. Nidhi Jathal
- More than 100 participants benefitted from the workshops

**Pre-
conference
course**

- In Collaboration with Indian Academy of Aesthetic and Cosmetic Dentistry, Pre conference courses were organized with SIG.



Scientific upgradation by collaborations with Indian Academy of Aesthetic and Cosmetic Dentistry.

Sanction Order

JSS Academy of Higher Education & Research
(Deemed to be University)
Accredited "A" Grade by NAAC

REG/ACA/SIG/DM/424/2019-20 / 12799

Date: 02.03.2020

Sub: Sanctioning of 1st installment for Special Interest Group in "Quality and Safe Use of Dental Materials".

Ref: 1. JSS AHER Notification No. REG/ACA/SIG/DM/424/2019-20/10270 dated 20.12.2019.
2. JSS AHER letter No. REG/ACA/SIG/225/2015-16/10442 dated 9.02.2018.
3. Your letter DCH/ACG/193/2019-20/2101 dated 18.02.2020.

Preamble:

JSS Academy of Higher Education & Research has approved the formation of the Special Interest Group in "Quality and Safe Use of Dental Materials" vide Deemed to be University notification under reference above. Provision has also been made for allocation of funds for functioning of SIGs from Research and Development head of account of JSS Academy of Higher Education & Research (JSS AHER) based on the budget prepared and submitted by Group for the following aspects:

1. Meeting expenses.
2. Short travel within India for the purpose of Group objectives.
3. Secretarial assistance as required.
4. Preparation of project proposals/reports.

Further, the Deemed to be University has approved to sanction up to 3.00 lakhs for each SIG in installments of Rs. 50,000/- per installment subject to the submission of bills of utilization of the same along with the progress report.

Dr. Ravindra S, Principal, JSS Dental College & Hospital and Group leader of the above said SIG has sent a proposal requesting to sanction seed money for the above said SIG and the same has been approved by the Vice Chancellor, hence the order.

ORDER NO. REG/ACA/SIG/DM/424/2019-20 Dated 02.03.2020

Sanction is accorded for the payment of Rs. 50,000/- (Rupees Fifty Thousand) to the Special Interest Group in "Quality and Safe Use of Dental Materials" as a 1st installment for the following purpose of the said SIG only.

1. Meeting expenses.
2. Short travel within India for the purpose of Group objectives.
3. Secretarial assistance as required.
4. Preparation of project proposals/reports.

The Group Leader of the said SIG shall be responsible for usage of the above sanctioned fund for the purpose as mentioned above and also submitting the bills of utilization to the JSS Academy of Higher Education & Research (JSS AHER) along with the detailed report on the progress made by the SIG.

The fund shall be remitted to the Research and Development account of JSS Dental College & Hospital, Mysuru from the Research and Development account of JSS AHER, Mysuru. The Group Leader of the said SIG shall operate the sanctioned amount in consultation with the Principal, JSS Dental College & Hospital, Mysuru.

Sri Shivacharyaeshwara Nagar, Mysuru - 570 015, Karnataka, India
T: +91-821-2548403, F: +91-821-2548304 E: registrar@jssani.edu.in VC: www.jssuni.edu.in

Publication

- Tiwari S, Nandlal B – Comparative evaluation of fluoride release from hydroxyapatite incorporated and conventional glass ionomer cement: An in vitro study – J Indian Soc Pedod Prev Dent – Oct-Dec 2012;30(4):284-287. ISSN: 0970-4388, H Index: 6, National
- Seema Deshmukh, Nandlal B – Evaluation of the Shear Bond Strength of Nanocomposite on Carious and Sound Deciduous Dentin – International Journal of Clinical Pediatric Dentistry – Jan-Apr 2012;5(1):25-28 [ISSN:0974- 7052] – International
- Tiwari S, Nandlal B – Effect of nano-filled surface coating agent on fluoride release from conventional glass ionomer cement: An in vitro trial – J Indian Soc Pedod Prev Dent – Apr – Jun 2013;31(2):91-95. ISSN: 0970-4388, H Index: 6, National
- Ravikumar, Ramakrishnaiah, Abdul Aziz Abdullah Al Khureif, Anil Kumar Gujjari, M R Dhakshayini – A comparative study to evaluate the softness of heat processed and autopolymerized denture relining materials when stored in hard and soft water – An Invitro study. Journal of Oral Health Community Dentistry. May 2012; 6(2): 74-78. ISSN 0973 – 7316.
- Kirti sharma, M R Dhakshayini, Anil Kumar Gujjari, - Evaluation of transverse bond strength of heat cured acrylic denture base resin repaired using heat polymerizing, autopolymerizing and fibre reinforced composite resin – An In vitro study. International Journal of Clinical cases and investigations. July 2012; 4(2): 33 – 43. ISSN 2229 – 7669.
- Harisimran Kaur, B Nandlal – Effect of dietary solvents on the strength of nanocomposite, compomer, glass ionomer cement: An in-vitro study – Journal of Conservative Dentistry – Nov-Dec 2013;16(6):527-531. ISSN: 0972-0707, National
- MB Ravi, MR Dhakshayini, Anil Kumar Gujjari, S Soumya, K N Raghavendra Swamy. The effectiveness of microwave sterilization on the hardness of silicone and acrylic based soft liners. World applied sciences journal. 2013; 22(3): 313 – 318.
- Arundhatee Banerjee and Seema Deshmukh. “Exploring Emerging Trends and Innovations in Obturating Materials for Pulpotomy: A Comprehensive Narrative Review”. Acta Scientific Dental Sciences 7.7 (2023): 68-75 (Published)
-

- Sowmya Srinivas., et al. “Nature’s Natural Antimicrobial Agent “Propolis Nanoparticle”-Mini Review". Acta Scientific Dental Sciences 6.8 (2022): 121-124
- Smear Layer Removal Efficacy of Natural Root Canal Irrigants- A Literature Review
- A biomechanical reinforcement of PMMA denture base material with sericin and fibroin : a preliminary screening study In technology and health care (Under Review)

Research Activities

- An effect of surface coating on fluoride release from hydroxyapatite incorporated and conventional glass ionomer cement – An Vitro Study
- The effect of dietary solvents on the shear punch strength of Hydroxyapatite incorporated Glass ionomer Cement – An in vitro study
- Comparative Evaluation of shear bond strength of hydroxyapatite incorporated and conventional glass ionomer cement on dense synthetic hydroxyapatite discs – an in vitro study
- Comparative evaluation of effect of dietary solvents on the shear punch strength of nanohydroxyapatite incorporated glass ionomer cement, and conventional glass ionomer cement.
- Comparative Evaluation of shear bond strength of nanohydroxyapatite incorporated and conventional glass ionomer cement on dense synthetic hydroxyapatite discs – an in vitro study
- Comparative Evaluation of compressive strength of nanohydroxyapatite chlorhexidine incorporated and conventional glass ionomer cement on dense synthetic hydroxyapatite discs – an in vitro study
- Antimicrobial efficacy of cinnamon bark oil incorporated GIC against Lactobacillus acidophilus, and evaluation of its compressive strength in comparison with conventional GIC – An In vitro study.

- Antimicrobial efficacy of cinnamon bark oil incorporated GIC against streptococcus mutans and comparison of its shear bond strength with conventional GIC – An in vitro study
- A comparative study of leached methyl methacrylate into saliva in conventional and high strength high impact Heat – polymerized acrylic resins: An In – vivo, HPLC study
- A clinical evaluation on the effect of Astringent on keratinization of oral mucosa before and after the insertion of complete denture.
- To evaluate and compare the anti microbial efficacy of aloe vera denture soaking solution and fresh aloe vera gel application on the dentures of diabetes patients – an In vivo study
- Effectiveness of microwave sterilization on tensile strength of Poly methyl methacrylate denture base resin reinforced with glass fibers – In vitro study
- Evaluation of Antibacterial Activity Of Terpinen-4-ol against S Mutans Mechanical properties of phosphorylated chitosan incorporated GIC (in collaboration with FLS, JSSAHER)
- Comparative Evaluation of Antimicrobial efficacy of novel bacteriocin and calcium hydroxide as an intracanal medicament against Enterococcus faecalis Biofilm – An In vitro study
- Comparative evaluation of antimicrobial efficacy of Cinnamon Bark oil extract incorporated and Probiotic incorporated Muco adhesive patches against Streptococcus Mutans in caries active 7 – 10yrs old children. A Randomized Controlled Trial Source of Funding – Triphase Pharmaceuticals (Company Consultancy)

Submitted to external funding agencies:

- Quantitative Analysis of Leaching Of Metal Ions From Cast Partial Dentures From Human Saliva And Its Biocompatibility Using Het-Cam Procedure
- Antimicrobial efficacy of Silver nanoparticles incorporated fissure sealant

Collaborations

MoU signed by JSS University:

1. JSS University has signed MoU with IFGL (Indo Flo Gates Ltd) refractories Ltd to conduct collaborative research. As a part of the collaboration, IFGL has prepared Hydroxyapatite and Nanohydroxyapatite particles which were used for the research conducted on these materials.
2. MoU of JSS Academy of Higher Education & Research with Triphase pharmaceuticals



Patents and Commercialization

Controller General of Patents, Designs & Trade
Marks
G.S.T. Road, Guindy, Chennai-600032
Tel No. (091)(044) 22502081-84 Fax No. 044 22502066
E-mail: chennai-patent@nic.in
Web Site: www.ipindia.gov.in



सत्यमेव जयते

G.A.R.6
[See Rule 22(1)]
RECEIPT



Docket No 6396

Date/Time 2022/01/24 15:15:30

To
DR. P. ARUNASREE

Userid: arunasree

GNANLex Associates LLP 335, 3rd floor, V
Mall, Asha Nagar, Near Saidham, Thakur
Complex Kandivali East, Mumbai - 400101,
Maharashtra, India.

CBR Detail:

Sr. No.	Ref. No./Application No.	App. Number	Amount Paid	C.B.R. No.	Form Name	Remarks
1	E-106/349/2022/CHE	202241003834	0	-----	FORM28	
2	202241003834	TEMP/E-1/4446/2022-CHE	1600	2790	FORM 1	ORAL COMPOSITION COMPRISING THERMOSTABLE PROBIOTICS FOR ORAL HEALTH

TransactionID	Payment Mode	Challan Identification Number	Amount Paid	Head of A/C No
N-0000912244	Online Bank Transfer	2401220010689	1600.00	1475001020000001

Total Amount : ₹ 1600

Amount in Words: Rupees One Thousand Six Hundred Only

Received from DR. P. ARUNASREE the sum of ₹ 1600 on account of Payment of fee for above mentioned Application/Forms.

* This is a computer generated receipt, hence no signature required.



Communication Address

Site No Special 3, Property no 482, KSSIDC Industrial Area , Kasaba Hobli , Hebbal, Mysore-570 016, Karnataka , India
Tel : Operations.+91-821-4191022. | info@triphasepharma.com | www.triphasepharma.com

Letter of Intent

To,
The Principal
JSS Dental College & Hospital
JSS Academy of Higher Education & Research
Mysuru

From,

Triphase Pharmaceuticals Pvt Ltd
Site no Special 3, Property no 482
KSSIDC Industrial Estate, Hebbal
Mysuru – 570 016.

Respected Sir/Ma'am,

**Subject: Letter of intent for commercialization of Oral Composition Comprising
Thermostable Probiotics for oral Health – Oral Patch in high caries risk**

With reference to our communication with Dr. Seema Deshmukh, Reader, Dept of Pediatric and Preventive Dentistry, JSS Dental College & Hospital and Dr. Kushalappa P A, Director, Academics, JSS Academy of Higher Education & Research, we are interested in commercialization of this oral patch which has been developed as a collaborative activity of JSS AHER and Triphase Pharmaceuticals Pvt Ltd.

We hereby express our intent to commercialize the product and carry on the process of patent filling with JSS AHER as co applicant.

The term of royalty has been discussed with the authorities of JSS AHER and the same has been mentioned in the Term Sheet on Royalty payment.

Looking forward for the collaborative outcome.

Thanking you

Aditya Kumar

Director