

SATHYABAMA DENTAL COLLEGE & HOSPITAL
INSTITUTIONAL REVIEW BOARD-PROFORMA
DEPARTMENT OF PERIODONTICS

TITLE OF THE STUDY:

Patient's attitude and response to dental scaling by BDS students – A Questionnaire Survey

TYPE OF STUDY: Questionnaire Survey

NAME AND DESIGNATION OF THE PRINCIPAL INVESTIGATOR:

Dr. Sumathi. H. Rao

Professor & Head, Department of Periodontics, Sathyabama Dental College & Hospital,
Chennai

NAME AND DESIGNATION OF THE CO-INVESTIGATORS:

1. Akshaya Lakshmi P

CRRI, Sathyabama Dental College & Hospital, Chennai

2. Aiswarya Santhosh

CRRI, Sathyabama Dental College & Hospital, Chennai

DEPARTMENT WHERE THE PROJECT IS BEING CARRIED OUT:

Department of Periodontics and Implantology, Sathyabama Dental college and Hospital,
Chennai 600119

PROJECT DURATION:

One year from the time of approval of the topic by the ethical committee of Sathyabama Dental College and Hospital, Chennai.

AIM OF THE STUDY

1. To assess Patients' attitude towards hand scaling on being treated by BDS students.
2. To investigate the incidence of hypersensitivity among patients pre- and post- Hand Scaling.

INTRODUCTION:

Satisfaction with dental care is an important topic of dental research as it is believed to be the primary factor for patients when they seek treatment. Patients who are satisfied with any clinical procedure are usually the patient who will come back for treatment, which directly affects the continuity of care for the patient and increase the trust between the patient and their dental care provider. One of the most common treatment procedure in the field of periodontics is scaling.

Scaling is a process that cleans the surface of teeth of diseased deposits like calculus, plaque and stains which if not eliminated contributes to gingival diseases and loosening which in turn causes pyorrhea and ultimately leads to periodontal conditions. The complaints faced during scaling includes dentin hypersensitivity, gingival bleeding, tooth pain, abrasion of the cervical area of tooth.

Dentin hypersensitivity (DH) is characterized by an acute, transient pain from an area of exposed dentin in response to stimuli that cannot be attributed to any other form of defect or disease. DH is considered by many patients as a consequence of Scaling and not as the result of the pathological process due to deposits on the teeth. Patients have reported that they felt that hand scaling especially “stripped” their teeth and caused sensitivity. Few patients also feel afraid of being treated by students even when they are aware that the institution has a teaching program associated with it. These misconceptions have led to many patients not accepting hand scaling or avoiding scaling, and dental treatment as a whole.

This study aims at identifying the prevalent opinion among patients about acceptance of, and attitude towards hand scaling, being treated by students and opinion about tooth sensitivity before and after scaling.

STUDY DESIGN:

Cross-sectional, Descriptive Questionnaire Study

OBJECTIVE OF THE STUDY

1. Patients' attitude towards hand scaling
2. Patients' attitude towards Hand Scaling done by BDS students
3. Overall assessment of treatment done by BDS students
4. Patients' opinion about tooth sensitivity pre- and post- scaling
5. Patients' preference vis-à-vis Hand and Ultrasonic Scaling

INCLUSION CRITERIA

1. Patients willing to participate
2. Age group: 18-60
3. Patients having at least 24 teeth
4. Patients who have not undergone any major dental surgery in the past 6 months

EXCLUSION CRITERIA

1. Patients not willing to participate in the study
2. Medically Compromised patients
3. Pregnant patients
4. Patients with any type of disability that can affect consent
5. Patients who have undergone any Periodontal Surgery in the past 6 months

METHODOLOGY:

- Patients will be given a questionnaire and will be asked to fill a questionnaire of 20 questions.
- Identifying details of participants will not be collected for confidentiality reasons.
- Questions will be in English and Tamil and consist of both open- and closed-ended options.
- Questionnaire has not been validated by experts yet.

STATISTICS:

Responses will be tabulated in Microsoft Excel and analyzed using SPSS software using appropriate statistics.

A sample size of 423 was derived, based on a confidence level of 90%.

Signature of the Principal Investigator Signature
of the H.O.D

REMARKS FROM COMMITTEE:

Patient's attitude and response to dental scaling by BDS students – A Questionnaire Survey

Privacy Declaration by Investigators

We, the investigators of the study titled “**Patient's attitude and response to dental scaling by BDS students – A Questionnaire Survey**” declare that we will maintain confidentiality regarding the data collected. We further declare that the collected data will be used for academic purposes only.

Consent Declaration by Participants

I hereby inform that I am willing to participate in the survey titled “**Patient's attitude and response to dental scaling by BDS students – A Questionnaire Survey**” without being forced or induced. I further declare that I was given complete information about the study.

Are you willing to participate in the Survey

- YES
- NO

If Yes, please proceed to the next questions.

DEMOGRAPHIC DATA

1. Age

- 18 – 24 Years
- 25 – 30 Years
- 30 – 40 Years
- 40– 50 Years
- 50 – 60 Years

2. Sex

- Male
- Female
- I'd rather not expose

**SATHYABAMA DENTAL COLLEGE AND HOSPITAL
DEPARTMENT OF PHARMACOLOGY**

1.3.4 Number of students undertaking research projects during the year 2023-24

1. **R. Cynthia**, Intern guided by **Dr. S. Priya** – Submitted ICMR STS project, May 2024

STS 2023 REPORT ATTESTATION FORM (RAF)	
(To be filled by the Student)	
1. Name of the student	<u>R. CYNTHIA</u>
2. STS Reference ID	<u>2023-09653</u>
3. Period of two months research done (Date-DD/MM/YYYY)	From <u>20-12-2023</u> Till <u>20-02-2024</u>
4. Special research technique and methodology, if any, learnt	<u>Through this ICMR-STs program, I got acquainted to animal dosing, handling biochemical, histopathological investigations, critical analyzing and interpreting the results.</u>
5. Personal impressions of the student about the STS program and what has the student gained from it	<u>This program has enriched in me the zeal for scientific research. I realized the importance of life and our responsibility in ensuring a safe existence.</u>
(To be filled by the Guide)	
6. General Remarks of the Guide on Student's work & aptitude for research	<u>Mrs. Cynthia showed her utmost interest in carrying out the research work. During her period of project she was so dedicated, passionate and enthusiastic.</u>
UNDERTAKING	
1. We, <u>R. CYNTHIA</u> (Name of Student) student of (tick appropriate) MBBS/BDS I/II/III/IV year & Dr. <u>S. PRIYA</u> (Name of Guide) declare that we have abided by the Instructions and Terms & Conditions for STS given on ICMR website.	
2. We had obtained necessary approvals from IEC/IAEC & Informed consent from participants (not applicable for animal studies).	
3. We confirm that the data is our own and has not been plagiarized from any other source.	
4. We have read all the Terms and Conditions for the STS-2023 report submission and we agree to all of them.	
5. We are aware that ICMR reserves the right to reject the report/not release stipend/e-certificate without assigning any reason, if the report is not prepared/submitted as per given instructions/incomplete/ incorrect/ not as per objectives/ not as per ICMR format/ submitted late or any other technical errors/reason deemed suited by ICMR, if not submitted completely within the given deadline.	
6. The information/research findings in report are true to best of our knowledge. We shall respect decision of ICMR.	
7. We understand that scientific/personal details of other students/ guides/ copies of projects/titles/reviewers/ decision of reviewers/ minutes of meeting/ marks /scores etc. are confidential.	
8. For presentation/publication of the scientific findings (oral/poster/abstract/paper) in any conference/ seminar/ meetings/ journals, due acknowledgement would be given to ICMR.	
9. We understand that the e-certificate and stipend may be issued to the student only after approval of the report.	
Signature of the Student (With Date) Name of the Student	Signature of the Guide (With Date) Name and Designation (With Seal)
<u>R. Cynthia</u> <u>12/5/24</u> <u>R. CYNTHIA</u>	<u>S. Priya</u> <u>12/05/24</u> <u>DR. S. PRIYA</u> <u>READER I HEAD</u> <u>DEPT OF PHARMACOLOGY</u> <u>HEAD OF THE DEPARTMENT</u> <u>SATHYABAMA</u> <u>DENTAL COLLEGE & HOSPITAL</u> <u>(DEEMED TO BE UNIVERSITY)</u> <u>Jeppiaar Nagar, Rajiv Gandhi Salai,</u> <u>Chennai - 600 119.</u>

2. **R. Harshini**, IV BDS guided by **Dr. R. Revathy** - Submitted ICMR STS project, May 2024



SHORT TERM STUDENTSHIP (STS)



STS-2023 Report Submission

Welcome: Ms. R Harshini
Reference ID: 2023-08425

[Logout](#)

Dear Applicant

You have successfully submitted your STS-2023 Report. Kindly wait for 24-48 hrs for the confirmation email to be received, please do check your spam/junk folders also. If you do not receive the mail within 48hs of report submission then do send an email to stshrd2017@gmail.com

Thank You.

[Click here to download your submitted application form.](#)

LOGOUT

1.3.4 - DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

COMPARITIVE EVALUATION OF ANTI- MICROBIAL EFFECTIVENESS OF NOVEL ENDODONTIC INTRACANAL MEDICAMENTS AGAISNT ENTEROCOCCUS FAECALIS BIOFILM: AN EX VIVO ANALYSIS

MDS - CONSERVATIVE DENTISTRY AND ENDODONTICS (SMDA 1302)

Dr. Neela Shiva Tarun Guided by Dr. Sathya Narayanan

ANTI- MICROBIAL ACTIVITY OF NOVEL ENDODONTIC INTRACANAL MEDICAMENTS USING AGAR WELL DIFFUSION TEST ON FACULTATIVE ANAEROBES: AN INVITRO STUDY

MDS - CONSERVATIVE DENTISTRY AND ENDODONTICS (SMDA 1302)

Dr. Neela Shiva Tarun Guided by Dr. Sathya Narayanan

COMPARITIVE EVALAUATION OF RETRIEVABILITY OF NOVEL ENDODONTIC INTRACANAL MEDICAMENT FROM ROOT CANAL SYSTEM OF MATURE MANDIBULAR PREMOLARS: AN INVITRO CONE BEAM COMPUTED VOLUMETRIC ANALYSIS

MDS - CONSERVATIVE DENTISTRY AND ENDODONTICS (SMDA 1302)

DR. TINI TREESA BENNY GUIDED BY DR. SATHYA NARAYANAN

COMPARITIVE EVALUATION OF CYTOTOXICITY OF NOVEL ENDODONTIC INTRACANAL MEDICAMENT ON DENTAL PULP STEM CELLS: AN EXVIVO STUDY

MDS - CONSERVATIVE DENTISTRY AND ENDODONTICS (SMDA 1302)

DR. TINI TREESA BENNY GUIDED BY DR. SATHYA NARAYANAN

COMPARITIVE EVALUATION OF SURFACE TENSION, CONTACT ANGLE, PH AND VISCOSITY OF NOVEL INTRA CANAL MEDICAMENTS - AN INVITRO STUDY

MDS - CONSERVATIVE DENTISTRY AND ENDODONTICS (SMDA 1302)

DR. DURGA RAM MOHAN GUIDED BY DR. SATHYA NARAYANAN

ASSESSMENT OF THE EFFICACY OF ACIDIFIED SODIUM CHLORITE ON PULP TISSUE DISSOLUTION AND ANTIMICROBIAL ACTIVITY AGAINST ENTEROCOCCUS FAECALIS - AN INVITRO STUDY

CONSERVATIVE
DENTISTRY
AND
ENDODONTICS
(SBDA 1017)

SRI RAM KARTRHICK AND
SONALI SALEEM GUIDED BY DR.
MURALI SIVAKUMAR

Comparative evaluation of the effect of various pre-warming techniques on curing time, degree of conversion & color stability of resin-based composites. (ICMR STS PROJECT)

DENTAL
MATERIALS
(SBDA 1006)

DIVYA (II YEAR UG) GUIDED BY
DR. ARAVINTHAN

Comparative evaluation of the effect of various pre-warming techniques on the cytocompatibility of resin-based composites on fibroblasts cells – An invitro study (ICMR STS PROJECT)

DENTAL
MATERIALS
(SBDA 1006)

SAYANA C.S (II YEAR UG)
GUIDED BY DR. MEGAVARNAN

Comparative evaluation of the effect of various pre-warming techniques on the depth of cure and microhardness of resin-based composites – An invitro study (ICMR STS PROJECT)

DENTAL
MATERIALS
(SBDA 1006)

ILLENTHENDRAL (II YEAR UG)
GUIDED BY DR. SUSHMITA
SHIVANNA



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

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www.sathyabama.ac.in

EC/NEW/INST/2020/1397

6th November 2023

Ref: 348/IRB-IBSEC/SIST Dated 18th October 2023

Dr. Sivakumar MD (Siddha)
National Institute of Siddha,
Tambaram Sanatorium
Chair Person,
IHEC, Sathyabama

Dr.T.Sasipraba
Vice chancellor
Co Chair Person
IHEC, Sathyabama

Dr. Y.Swarnalatha
Dean Higher studies
Secretary & Convener
IHEC, Sathyabama

To,

Dr. Neela Shiva Tarun, III MDS
Dr. K Sathya Narayanan,
Professor And Head .
Department Of Conservative Dentistry and Endodontics
Sathyabama Dental College and Hospital

This is to inform you that the Institutional Human Ethical Committee has approved your study proposal entitled “**Comparative Evaluation Of Antimicrobial Effectiveness Of Novel Endodontic Intracanal Medicaments Against *Enterococcus Faecalis* Biofilm: An Ex-Vivo Analysis**” based on the presentation of the proposal made and recommendations of the Institutional Biosafety & Ethical Committee meeting held on 18th October 2023.

The validity of the Ethical clearance is for one year and you are expected to submit six-month progress and the final report of the study to IHEC/IRB


Dr. Y.Swarnalatha
Secretary & Convener
IBEC, SIST


Dr. T.Sasipraba
Deputy Chair Person
IBEC, SIST





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EC/NEW/INST/2020/1397

6th November 2023

Ref: 347/IRB-IBSEC/SIST Dated 18th October 2023

Dr. Sivakumar MD (Siddha)
National Institute of Siddha,
Tambaram Sanatorium
Chair Person,
IHEC, Sathyabama

Dr.T.Sasipraba
Vice chancellor
Co Chair Person
IHEC, Sathyabama

Dr. Y.Swarnalatha
Dean Higher studies
Secretary & Convener
IHEC, Sathyabama

To,

Dr. K Sathya Narayanan,
Professor And Head
Dr. Neela Shiva Tarun, III MDS.
Department Of Conservative Dentistry and Endodontics
Sathyabama Dental College and Hospital

This is to inform you that the Institutional Human Ethical Committee has approved your study proposal entitled “**Antimicrobial Activity Of Novel Endodontic Intracanal Medicaments Using Agar Well Diffusion Test On Facultative Anaerobes: An Invitro Study**” based on the presentation of the proposal made and recommendations of the Institutional Biosafety & Ethical Committee meeting held on 18th October 2023.

The validity of the Ethical clearance is for one year and you are expected to submit six-month progress and the final report of the study to IHEC/IRB

Dr. Y.Swarnalatha
Secretary & Convener
IBEC, SIST

Dr. T.Sasipraba
Deputy Chair Person
IBEC, SIST





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6th November 2023

Ref: 351/IRB-IBSEC/SIST Dated 18th October 2023

Dr. Sivakumar MD (Siddha)
National Institute of Siddha,
Tambaram Sanatorium
Chair Person,
IHEC, Sathyabama

Dr. T. Sasipraba
Vice chancellor
Co Chair Person
IHEC, Sathyabama

Dr. Y. Swarnalatha
Dean Higher studies
Secretary & Convener
IHEC, Sathyabama

To,

Dr. K Sathya Narayanan,
Professor And Head
Dr. Tini Treasa Benny, II MDS.
Department Of Conservative Dentistry and Endodontics
Sathyabama Dental College and Hospital

This is to inform you that the Institutional Human Ethical Committee has approved your study proposal entitled "**Comparative Evaluation Of Retrievability Of Novel Endodontic Intracanal Medicament From Root Canal System Of Mature Mandibular Premolars: An *In Vitro* Cone Beam Computed Tomography Volumetric Analysis**" based on the presentation of the proposal made and recommendations of the Institutional Biosafety & Ethical Committee meeting held on 18th October 2023.

The validity of the Ethical clearance is for one year and you are expected to submit six-month progress and the final report of the study to IHEC/IRB


Dr. Y. Swarnalatha
Secretary & Convener
IBEC, SIST


Dr. T. Sasipraba
Deputy Chair Person
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EC/NEW/INST/2020/1397

6th November 2023

Ref: 350/IRB-IBSEC/SIST Dated 18th October 2023

Dr. Sivakumar MD (Siddha)
National Institute of Siddha,
Tambaram Sanatorium
Chair Person,
IHEC, Sathyabama

Dr. T. Sasipraba
Vice chancellor
Co Chair Person
IHEC, Sathyabama

Dr. Y. Swarnalatha
Dean Higher studies
Secretary & Convener
IHEC, Sathyabama

To,

Dr. Tini Treasa Benny, II MDS.
Dr. K Sathya Narayanan,
Professor And Head
Department Of Conservative Dentistry and Endodontics
Sathyabama Dental College and Hospital

This is to inform you that the Institutional Human Ethical Committee has approved your study proposal entitled "**Comparative Evaluation Of Cytotoxicity Of Novel Endodontic Intracanal Medicament On Dental Pulp Stem Cells: An Ex Vivo Study**" based on the presentation of the proposal made and recommendations of the Institutional Biosafety & Ethical Committee meeting held on 18th October 2023.

The validity of the Ethical clearance is for one year and you are expected to submit six-month progress and the final report of the study to IHEC/IRB


Dr. Y. Swarnalatha
Secretary & Convener
IBEC, SIST


Dr. T. Sasipraba
Deputy Chair Person
IBEC, SIST





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6th November 2023

Ref: 349/IRB-IBSEC/SIST Dated 18th October 2023

Dr. Sivakumar MD (Siddha)
National Institute of Siddha,
Tambaram Sanatorium
Chair Person,
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Dr. T. Sasipraba
Vice Chancellor
Co Chair Person
IBEC, Sathyabama

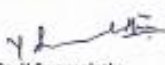
Dr. Y. Swarnalatha
Dean Higher studies
Secretary & Convener
IBEC, Sathyabama

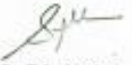
To,

Dr. K Sathya Narayanan,
Professor And Head
Dr. Durga Ram Mohan, I MDS.
Department Of Conservative Dentistry and Endodontics
Sathyabama Dental College and Hospital

This is to inform you that the Institutional Human Ethical Committee has approved your study proposal entitled "**Comparative Evaluation of Surface Tension, Contact Angle, Ph and Viscosity of Novel Intracanal Medicaments – An Invitro Study**" based on the presentation of the proposal made and recommendations of the Institutional Biosafety & Ethical Committee meeting held on 18th October 2023.

The validity of the Ethical clearance is for one year and you are expected to submit six-month progress and the final report of the study to IBEC/IRB


Dr. Y. Swarnalatha
Secretary & Convener
IBEC, SIST


Dr. T. Sasipraba
Deputy Chair Person
IBEC, SIST





SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600119.



EC/NEW/INST/2020/1397

6th October 2021

Ref: 182/IRB-IBSEC/SIST Dated 30th September 2021

Dr. A. Wilson Aruni, PhD, FAMPV
Pro Vice chancellor,
Chair Person, Institutional
Biosafety & Ethical Committee
(IBEC), SIST

Dr. B. Thayumanavan, MDS
Dean, Sathyabama Dental College
Secretary & Convener
Institutional Review Board &
Institutional Biosafety & Ethical
Committee (IBEC), SIST

To,

Dr. Deepika R
Post Graduate
Department of Conservative Dentistry
Sathyabama Dental College & Hospital
Chennai -119

This is to inform you that the Institutional Bio-Safety & Ethical Committee has approved your study proposal entitled "Assessment of the efficacy of Acidified sodium chlorite as a root canal irrigant on, Pulp tissue dissolution and Antimicrobial activity against *Enterococcus faecalis*", based on the presentation of the proposal made and recommendations of the Institutional Bio-Safety & Ethical Committee meeting held on 30th September 2021.

The validity of the Ethical clearance is for one year and you are expected to submit six-month progress and the final report of the study to IBSEC/IRB

Dr. Thayumanavan
Secretary & Convener
IBEC, SIST

Dr. A. Wilson Aruni
Deputy Chair Person
IBEC, SIST



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EC/NEW/INST/2020/1397

18th May 2023

Ref: 240/IRB-IBSEC/SIST Dated 1st March 2023

Dr. Sivakumar MD (Siddha)
National Institute of Siddha,
Tambaram Sanatorium
Chair Person,
IHEC, Sathyabama

To,

Ms. Divya, 1st year BDS,
Dr. Kurinji Amalavathy. R, Professor & HOD
Dr. Aravinthan. S
Senior Lecturer
Department of Conservative Dentistry and Endodontics

Dr. T. Sasipraba
Vice chancellor
Co Chair Person
IHEC, Sathyabama

This is to inform you that the Institutional Human Ethical Committee has approved your study proposal entitled "**Comparative evaluation of the effect of various pre-warming techniques on curing time, degree of conversion & color stability of resin-based composites**", based on the presentation of the proposal made and recommendations of the Institutional Bio-Safety & Ethical Committee meeting held on 1st March 2023.

The validity of the Ethical clearance is for one year and you are expected to submit six-month progress and the final report of the study to IHEC/IRB

Dr. Y. Swarnalatha
Dean Higher studies
Secretary & Convener
IHEC, Sathyabama


Dr. Y. Swarnalatha
Secretary & Convener
IBEC, SIST


Dr. T. Sasipraba
Deputy Chair Person
IBEC, SIST





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EC/NEW/INST/2020/1397

18th May 2023

Ref: 239/IRB-IBSEC/SIST Dated 1st March 2023

Dr. Sivakumar MD (Siddha)
National Institute of Siddha,
Tambaram Sanatorium
Chair Person,
IHEC, Sathyabama

To,

Ms. Sayana C S, First BDS
Dr. Kurinji Amalavathy. R, Professor & HOD
Dr. Aravinthan.S
Senior Lecturer
Department of Conservative Dentistry and Endodontics

Dr. T. Sasipraba
Vice chancellor
Co Chair Person
IHEC, Sathyabama

This is to inform you that the Institutional Human Ethical Committee has approved your study proposal entitled "**Comparative evaluation of the effect of various pre-warming techniques on the cytocompatibility of resin-based composites on fibroblasts cells – An invitro study**", based on the presentation of the proposal made and recommendations of the Institutional Bio-Safety & Ethical Committee meeting held on 1st March 2023.

The validity of the Ethical clearance is for one year and you are expected to submit six-month progress and the final report of the study to IHEC/IRB

Dr. Y. Swarnalatha
Dean Higher studies
Secretary & Convener
IHEC, Sathyabama


Dr. Y. Swarnalatha
Secretary & Convener
IBEC, SIST


Dr. T. Sasipraba
Deputy Chair Person
IBEC, SIST





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EC/NEW/INST/2020/1397

18th May 2023

Ref: 237/IRB-IBSEC/SIST Dated 1st March 2023

Dr. Sivakumar MD (Siddha)
National Institute of Siddha,
Tambaram Sanatorium
Chair Person,
IHEC, Sathyabama

To,

Ms. Illenthendral K, 1st BDS
Dr. Kurinji Amalavathy. R, Professor & HOD
Dr. D R Arun, Senior Lecture
Department of Conservative Dentistry and Endodontics

Dr.T.Sasipraba
Vice chancellor
Co Chair Person
IHEC, Sathyabama

This is to inform you that the Institutional Human Ethical Committee has approved your study proposal entitled "**Comparative evaluation of the effect of various pre-warming techniques on the depth of cure and microhardness of resin-based composites**", based on the presentation of the proposal made and recommendations of the Institutional Bio-Safety & Ethical Committee meeting held on 1st March 2023.

The validity of the Ethical clearance is for one year and you are expected to submit six-month progress and the final report of the study to IHEC/IRB

Dr. Y.Swarnalatha
Dean Higher studies
Secretary & Convener
IHEC, Sathyabama


Dr. Y.Swarnalatha
Secretary & Convener

IBEC, SIST




Dr. T.Sasipraba
Deputy Chair Person
IBEC, SIST