



श्री चित्रा तिरुनाल आयुर्विज्ञान और प्रौद्योगिकी संस्थान, त्रिवेन्द्रम, तिरुवनन्तपुरम - 695 011, केरल, भारत  
SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES AND TECHNOLOGY, TRIVANDRUM  
THIRUVANANTHAPURAM - 695 011, KERALA, INDIA

(एक राष्ट्रीय महत्त्व का संस्थान, विज्ञान और प्रौद्योगिकी विभाग, भारत सरकार)  
(An Institution of National Importance, Department of Science and Technology, Government of India)  
टेलीफोन नं./Telephone No.: 0471-2443152 फैक्स/Fax: 0471-2446433, 2550728  
ई-मेल/E-mail: sct@sctimst.ac.in वेबसाइट/Website: www.sctimst.ac.in

## **PROJECT COMPLETION REPORT**

1. **Project Number** : **8108**
2. **Title of the Project** : Development of Dental Restorative Based on Inorganic-Organic hybrid resin for Barodontalgia,
3. **Funding Agency Name** : DRDO
4. **Project Reference Number provided by the Funding Agency:** Project No.ST- CARS/15-16/INM/02{CARS under project No.ST/14-15/DIP-265.01(INM-314)}
5. **Principal Investigator (Name & Address) :** Dr.Lizymol P.P. ,Scientist, DEP,DBST,BMTW,SCTIMST
6. **Co-Investigators (Name & Address): :** Lt Col Manu Krishnan, INMAS, DRDO, Delhi
7. **Implementing Institution** : SCTIMST
8. **Collaborating Institutions** : INMAS,DRDO
9. **Date of Commencement** : 30/04/2015
10. **Duration** : 2 years and 2 months
11. **Date of Completion** : 29 June 2017
12. **Objectives as approved :** Objective of the project is to develop dental restoratives with low polymerization shrinkage and superior properties compared to the existing commercial resin, for Barodontalgia.

**13. Deviation made from original objectives if any, while implementing the project and reasons thereof : NIL**

**14. Field/Experimental work giving full details of summary of methods adopted, data collected supported by necessary tables, charts, diagrams and photographs :**

As per the MoU with DRDO, details could not be disclosed.

**15. Detailed analysis of results**

As per the MoU with DRDO, details could not be disclosed.

**16. Summary sheet of not more than 2 pages under following heads :  
(Title, Introduction, Rationale, Objectives, Methodology, Results, Translational Potential)**

As per the MoU with DRDO, details could not be disclosed.

**17. Contributions made towards increasing the state of knowledge in the subject :**

As per the MoU with DRDO, details could not be disclosed.

**18. Conclusions summarising the achievements and indication of scope for future work :**

MoU with DRDO signed. Joint patent application filed. Patent granted. Project completion report and material for biological studies were transferred to DRDO as per the signed MoU with DRDO.

**19. Science and Technology benefits accrued :**

**a. List of research publications with complete details : NIL**

**b. Manpower trained on the project :**

<b>i. Research Scientists or Research Fellows</b>	<b>:</b>	<b>NIL</b>
<b>ii. No. of PhD's produced</b>	<b>:</b>	<b>NIL</b>
<b>iii. Other Technical Personnel trained</b>	<b>:</b>	<b>1</b>

<b>c. Patents taken, if any</b>	<b>:</b>	<b>1</b>
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Inventors:, Lt Col Manu Krishnan (DRDO),  
**Pampadykandathil Philipose Lizyol**  
(SCTIMST) , patent No: 364000 dated April  
2021, "A Dental Restorative Composite and a  
Process for Preparing the Same" submitted on

24<sup>th</sup> December 2018 by DRDO with application No. 201811049187 granted for the term of 20 years from the 26<sup>th</sup> day of December 2018 in accordance with the provisions of the Patents Act, 1970. This is the collaborative project with DRDO (PI:Lizymol) and Co-PI Lt Col Manu Krishnan.

**d. Products developed, if any** : **1 MoU signed. Material transferred to DRDO.**

**20. Abstract: (In 300 words for possible publication in ..... Bulletin):NA**

**a Background:**

**b Materials:**

**c Results: .**

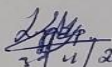
**d Conclusion:**

**21. Procurement/Usage of Equipment:**

**a. Details of Equipment: NIL**

Sl. No.	Name of Equipment	Make/ Model	Cost (Rs.)	Date of Installation	Utilisation	Remarks regarding maintenance breakdown

**b. Suggestions for disposal of equipment(s):Not Applicable**

Dr. Lizymer P.P  
  
27/11/2025  
(Name and Signature of PIs with date)

**Routing:** Signed copy of "Project completion Report" by PI → [root@sctimst.ac.in](mailto:root@sctimst.ac.in), [rpc@sctimst.ac.in](mailto:rpc@sctimst.ac.in)