

RESEARCH

We believe that, "No Health Care Institute is complete without highest standard in Research and Academics"

As per the mission of our Institute, we are committed to research and health care of the society at affordable cost.

Institute has a Research committee, which promotes following activities:

- ▶ *Faculty members & student members to participate actively in research activities*
- ▶ *Acceptable research proposals for ethical clearance.*
- ▶ *Incentives to faculty and students for research projects & publications.*
- ▶ *Intramural funds available for research by the institution.*
- ▶ *Collaborations and linkages.*
- ▶ *Guidance for presentations and publications.*
- ▶ *Continuing Dental Education Programs, Workshops and conferences on regular basis.*

Institutional Research Policy

The institute has formulated & follows the 'Institutional Research Policy', which focuses on the regulations and policy issues related to Research involving human subjects, bio-specimens, participant data, and the integration of bioethical considerations.

Implementations & impact of research activities

MEDHA 2022 (Medical Device Hackathon)

*MEDHA 2022 (Medical Device Hackathon) was organized by BETIC, IIT Bombay. OraScan is an early Oral Cancer Screening Device, which was fabricated by **Dr. Snehal Yerne** for which she received the first prize into the MEDIC 2022 hosted by IIT Bombay, funded and supported by RGSTC, TIFAC. These are eventually funded to promote the youth for interdisciplinary collaborations.*

Maharashtra State Innovation Challenge 2023

Dr. Komal Deotale (PG student) – Project selected for seed money of Rs. 1,00,000/-

AVISHKAR:

Participation in 'Avishkar' since 2009.

An Innovation Competition at Maharashtra University of Health Sciences (more than 320 colleges)

Winners in AVISHKAR

AVISHKAR 2023: Dr. Komal Deotale (Third Prize – PG Category)

AVISHKAR 2022: Ms. Ritika Gattani (Third Prize – UG Category)

AVISHKAR 2020: Dr. Ashish Lanjekar (First Prize - Post-PG Category)

AVISHKAR 2019: Dr. Madhura Upagade, Dr. Aamir Bidiwala (PG Category)

AVISHKAR 2017: Dr. Akhilesh Shewale (Teacher Category), Dr. Chinmay Rathod (PG category)

AVISHKAR 2009: Ms. Karuna Kochar (UG Category)

These award winners of Maharashtra University of Health Sciences competed at Interuniversity State Level Competition.

MUHS State level Research Competition

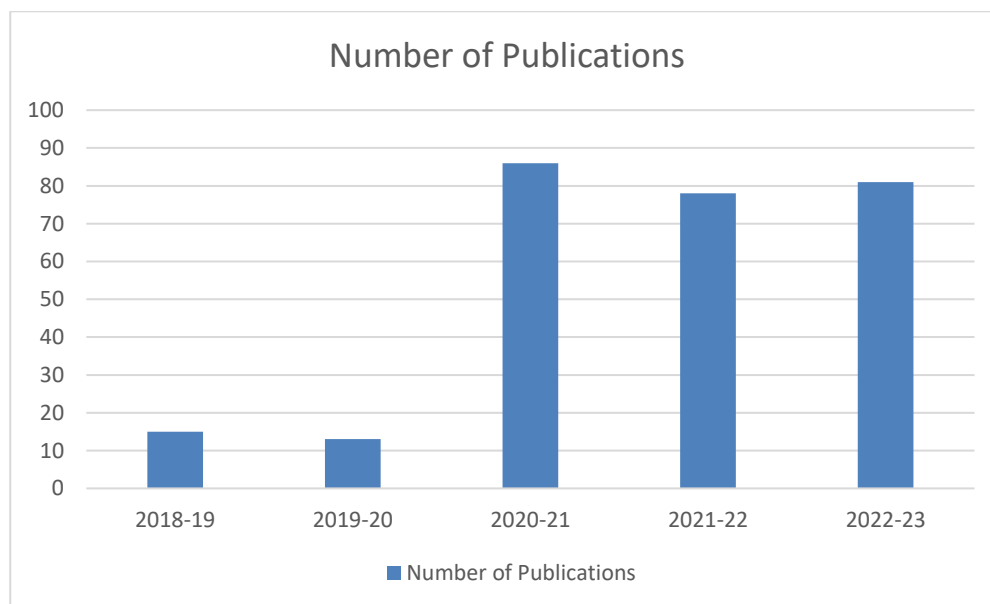
2017-18: Ms. Eknor Kaur (UG), Dr. Vaishali Agrawal (PG), Dr. Akhilesh Shewale (Teacher)

2022-23: Ms. Mukta Patil (UG), Ms. Ritika Gattani (UG)

2023-24: Ms. Mahek Chauksey (UG)

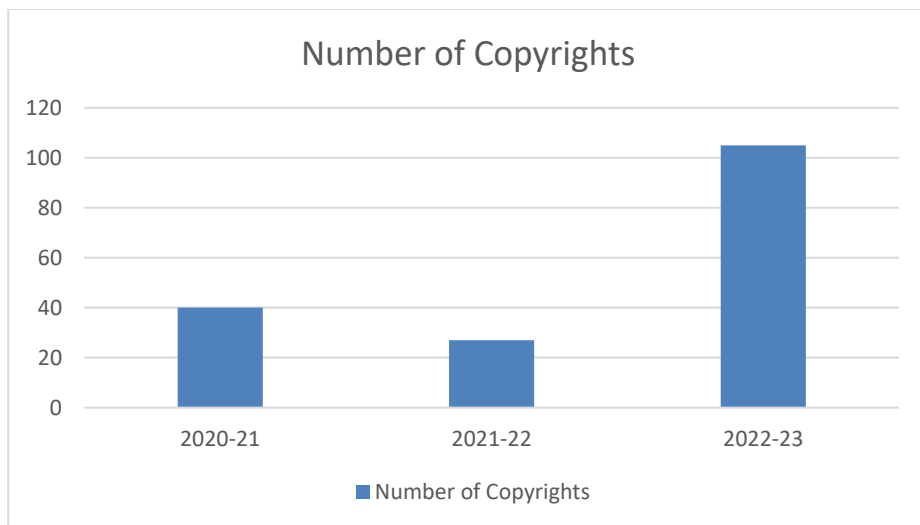
Publications (NAAC acceptable)

| Sr. no. | Number of publications |
|----------------|-------------------------------|
| 2018-19 | 15 |
| 2019-20 | 13 |
| 2020-21 | 86 |
| 2021-22 | 78 |
| 2022-23 | 81 |



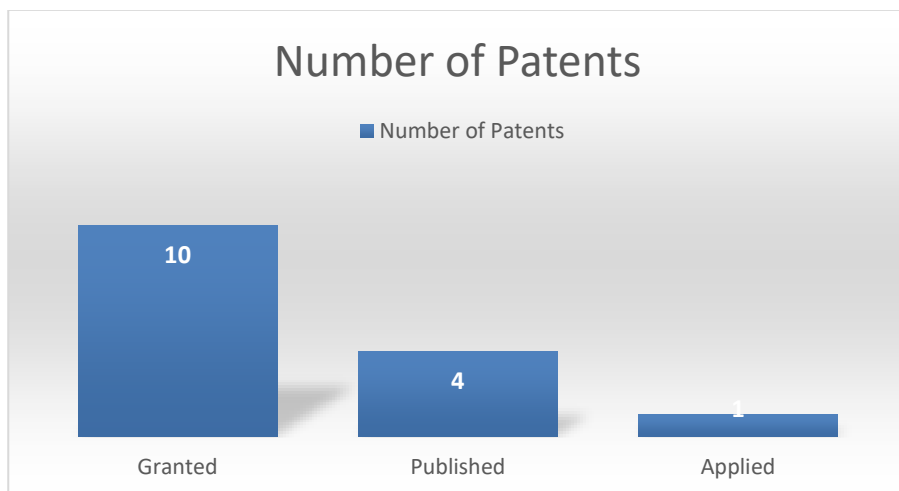
Copyrights

| Sr. no. | Number of Copyrights |
|----------------|-----------------------------|
| 2020-21 | 40 |
| 2021-22 | 27 |
| 2022-23 | 105 |



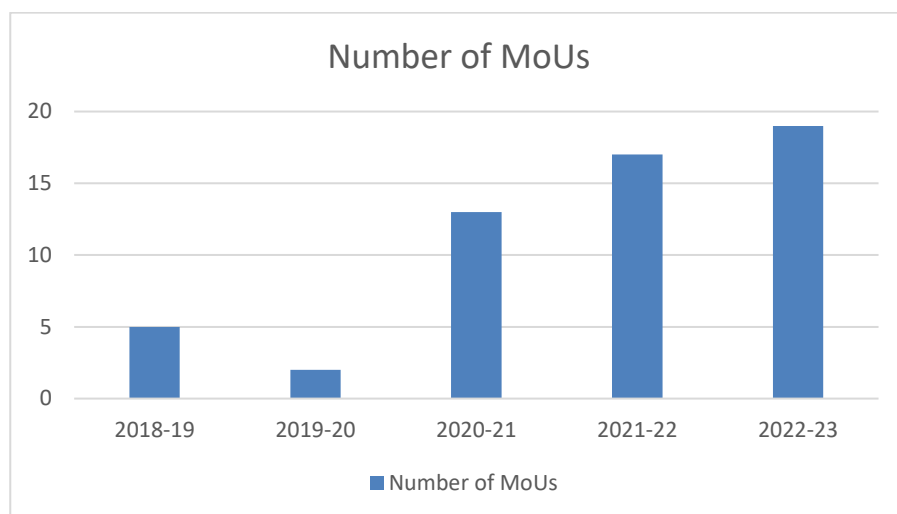
Patents

10 patents have been granted, 4 patents have been published, and 1 patent applied.



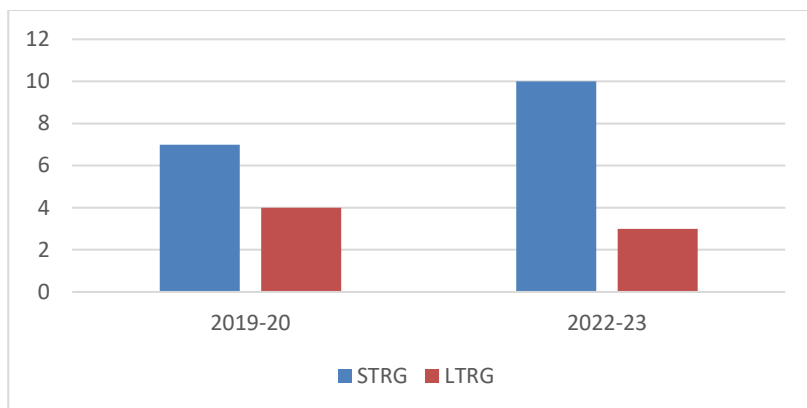
MoUs

| Sr. no. | Number of MoUs |
|----------------|-----------------------|
| 2018-19 | 5 |
| 2019-20 | 2 |
| 2020-21 | 13 |
| 2021-22 | 17 |
| 2022-23 | 19 |



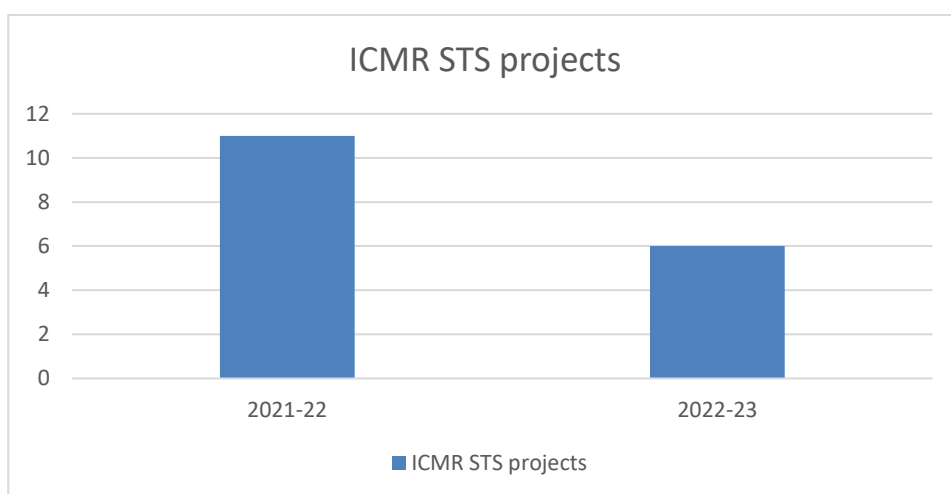
MUHS STRG LTRG

| Sr. no. | Number of projects approved for grant |
|----------------|--|
| 2019-20 | MUHS STRG/ LTRG 2019-20 STRG- 7 (UG – 2 & PG - 5) LTRG – 4 (Faculty) Total funding: Rs. 5,85,000/- |
| 2022-23 | MUHS STRG/ LTRG 2022-23 STRG- 10 (UG – 5 & PG - 5) LTRG – 3 (Faculty) Total funding: Rs. 3,87,400/- |



ICMR STS

| Sr. no. | Number of ICMR STS approved projects |
|---------|--------------------------------------|
| 2021-22 | 11 |
| 2022-23 | 6 |



Research Projects with Institutional funding

| Sr. No. | Topic | Name of Investigator | Fund Allotment |
|---------|---|----------------------|---|
| 1. | Collaborative Project with MTA (Institute of Chemical Technology, Mumbai) | Mr. Siddhesh Mestry | Rs. 6,07,000/- allotted to the investigator |

| | | | |
|-----|---|---|---|
| 2. | OraScan – Early cancer screening device | Ms. Snehal Yerne | Rs. 2,00,000/- allotted to the investigator |
| 3. | Comparison and evaluation of mitotic figures in oral squamous cell carcinoma in crystal violet along with nuclear fast as counter stain and feugen reaction | Dr. Priyanka Kadoo | 5000/75,000- Rs allotted to the investigator. |
| 4. | A survey of Dental fluorosis at Wakdhara village | Dr (Mrs) PV Hazarey Dr. Harish Atram Dr J Rasul | 5000/15,000- Rs allotted to the investigator. |
| 5. | Incidence of musculoskeletal disorders in dental profession | Abha Hedoo (UG) | 5000/10,000- Rs allotted to the investigator. |
| 6. | Customized Buccal Screen | Dr. CR Bande | 5000/15,000- Rs allotted to the investigator. |
| 7. | Evaluation of Periodontal status in leprosy Patient | Atharva Beley(UG) Dr. Anand Wankhede | 5000/- Rs allotted to the investigator. |
| 8. | Burden of oral diseases in Nagpur City – A Pilot Study | Dr.Akhilesh Shewale | 5000/- Rs allotted to the investigator. |
| 9. | Awareness of dental law and jurisprudence among dental fraternity | Gauri Ingle (UG) | 5000/- Rs allotted to the investigator. |
| 10. | Effect of herbal neem extract oral gel and mouthwash on plaque and gingival scores: A comparative clinical study | Dr. MB Wankhede Dr N Choudhary | 5000/- Rs allotted to the investigator. |
| 11. | Effect of alveolar bone loss along various surfaces of tooth on the position of center of resistance – A 3D Finite Element Analysis | Dr. Asmita Kharche(PG) | 15,000 /- allotted to the investigator |