

DIVISION OF RESEARCH, JIPMER

Dean (Research) Report

Dean (Research): Dr. R. Raveendran (from 01.12.2018 till 30.11.2021)
Dr DM Thappa (from 1.12.2021 onwards)

Associate Deans (Research):

1. Dr. R. Medha R.
2. Dr. V. Balasubramaniyan
3. Dr. Shivanand Kattimani
4. Dr. Sriram Krishnamurthy

A new era for research has begun after JIPMER was declared as an Institution of National Importance (an autonomous body) under the Ministry of Health and Family Welfare, Government of India in 2008.

The previous structure has been redesigned for rapid turnaround and critical review of research projects. An exclusive division for research headed by Dean (Research) has been formed along with various committees that support and facilitate good research practices. The funds allocated for research has been increased considerably. As research is the key to excellence in academic medicine, JIPMER inculcates the attitude of inquiry, acquisition of knowledge and the conduct of research in faculty and students. The office of the Dean of Research is striving to focus on applied research, development and training across all disciplines of the JIPMER and complements existing JIPMER strengths in basic research and outreach.

JIPMER RESEARCH MISSION

To utilize the intellectual, scientific and administrative resources of the JIPMER for the generation and dissemination of new knowledge

To understand the basis of various diseases and improve diagnostic and therapeutic modalities.

JIPMER RESEARCH VALUES

The students, faculty and staff and their dreams, ambitions and talents are the Institute's most treasured assets.

All disciplines of scholarly endeavour are valued contributors to research and innovation.

Integrity, ethical conduct, and mutual respect are uncompromising principles by which research and innovation are being pursued.

Unencumbered exchange and debate of competing ideas and perspectives expands understanding, facilitates innovation and ultimately leads to excellence.

Intradisciplinary and interdisciplinary collaboration among individuals involving scholars across multiple departments, institutions and organizations is treasured as a means for performing research and innovation.

Education and research are inextricably intertwined and together represent the foundation of knowledge upon which the Institute's endeavor for unsurpassable patient care rests.

The faculty of JIPMER publish a substantial number of research papers every year. The number of publications is one of the metrics by which research can be quantified and the increase in the number indicates the positive trend. Last year, JIPMER researchers published 961 research articles in various scholarly journals.

Research grants

The institute has sanctioned intramural grant of about 3.63 crores to junior researchers for carrying out research projects in their area of interest in the year 2020-2021. Senior researchers in JIPMER have brought in nearly 12.72 crores as grants for research.

JIPMER has well-equipped laboratories and a considerable portion of yearly budget is allocated for the purchase of equipment and maintenance of the same. These laboratories are used not only for research but also for diagnostic tests to support the clinical decisions of

physicians. Undergraduate and postgraduate students including doctoral students conduct research under the supervision of faculty members. A sizeable number of undergraduate students get research studentship grants from ICMR annually. Many students attend national and international conferences in India and abroad and bring laurels to the institute by winning prizes for their research presentations.

Research Workshops

In order to inculcate sound research practices and develop ethical attitudes to research, JIPMER conducts regular training sessions in research methodology including sessions in ethics, biostatistics and scientific writing for students and faculty members. Many of its faculty members are invited by colleges all over India to train their faculty members and students in research.

Activities of Research Committees

1. JIPMER Undergraduate Research Monitoring Committee (UGRMC)

Introduction

Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER) has been promoting research activities in medical sciences since its inception. With up gradation of JIPMER as an “Institution of National Importance” and consequent increase in faculty members and undergraduate students across all streams there has been a significant and continuing increase in research activity at all levels. The UG Research Monitoring Committee (UGRMC) was constituted on 10th January 2014. The purpose of UG Research Monitoring Committee (UGRMC) is to increase the quality of undergraduate research, which is undertaken in JIPMER and encourage the students to publish it in reputed journals.

Functions

The undergraduate research proposals generated at JIPMER need to have the approval of a scientific committee before being submitted for an ethics committee for consideration. Under this process, UG Research Monitoring Committee will perform mainly the function of consideration of undergraduate research proposals for quality improvement and approval. After the approval the proposals will be referred to JIPMER Ethics Committee for consideration.

UG Research Monitoring Committee has following terms of references (TOR):

1. To facilitate UG students in learning to think in innovative and creative ways.

2. To facilitate UG students in understanding the link between research and patient care.
3. To facilitate UG students to use and understand the relevance of using statistical methods and tools required.
4. To facilitate UG students to understand the importance of teamwork in conducting research.
5. To facilitate UG students in developing communication skills to present their research findings in various scientific platforms.

Composition

The Undergraduate Research Monitoring Committee (UGRMC) was reconstituted with the following members on 09.10.2020.

Sl. No	Name	Designation
1	Dean (Research), JIPMER	Chairperson
2	Dr. Latha Chaturvedula, Professor and Head, Department of Obstetrics and Gynecology	Vice- Chairman
3	Dr. Ramesh R, Professor, Department of Biochemistry	Member
4	Dr. Ajith A, Addl. Professor, Department of Cardiology	Member
5	Dr. Rajendra G Kulkarni, Associate Professor, Department of Transfusion Medicine	Member
6	Dr. Apurba Sankar Sastry, Associate Professor, Department of Neurology	Member
7	Dr. Siddhartha Das, Additional Professor and Head, Department of Forensic Medicine	Member
8	Dr. Nirupama Kasturi, Associate Professor, Department of Ophthalmology	Member
9	Dr. Venkatachalam, Associate Professor, Department of P & SM	Member
10	Dr. Jaikumar J R, Assistant Professor, Department of Paediatrics	Member
11	Dr. Lakshmi Ramamoorthy, Asst Professor, College of Nursing	Member
12	Dr. K T Harichandrakumar, Assistant Professor, Department of Biostatistics	Member
13	Dr. Nanda Kishore Maroju, Additional Professor, Department of Surgery	Member Secretary

14	Dr. Elamurugan T P, Associate Professor, Department of Surgery	Assistant Member Secretary
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Activities:

Golden Jubilee - Short Term Research Award for Undergraduate Students (GJ-STRAUS):

JIPMER in its year of Golden Jubilee year instituted the JIPMER - *Golden Jubilee Short-Term Research Award for Undergraduate Students (GJ –STRAUS)*. The aim of this Short-Term Studentship Award was to promote research interest among undergraduate students and to stimulate them to undertake Research Projects during their undergraduate degree course. The students desiring to pursue this programme require submitting the research protocol and applying for the award under the guidance of a faculty member in JIPMER for approval by the Undergraduate Research Monitoring Committee (UGRMC). In view of the COVID pandemic, call for proposals for GJ-STRAUS AWARD for the year 2021-22 was temporarily withheld. Proposals approved under the GJ- STRAUS program 2019-2020 were given extension in date for final project report submission (July 2021).

ICMR-STs projects approved by UGRMC - Nil

2. JSAC– Main Committee Members & Internal Committee Members

JSAC Committee Members List		
Sl. No	Committee Members	Position
1	Director	Chairperson
2	Dean (Research)	Vice-Chairperson
3	Dr. Sriram Krishnamurthy, Additional Professor, Paediatrics	Member
4	Dr. Niranjana Biswal, Professor (Senior Scale), Paediatrics	Member
5	Dr. Vikram Kate, Professor (Senior Scale), Surgery	Member
6	Dr. Pradeep Pankajakshan Nair, Additional Professor, Neurology	Member
7	Dr. Laxmisha Chandrashekhar, Additional Professor, Dermatology	Member
8	Dr. S. Sujatha, Professor, Microbiology	Member
9	Dr. Sharbari Basu, Professor, Biochemistry	Member
10	Head of the Dept. of Biostatistics or his nominee	Member

11	Dr. Raja Jaisundar Selvaraj, Additional Professor, Cardiology	Member
12	Dr. Satyen Parida, Additional Professor, Anesthesiology	Member
13	Dr. Moushumi Purkayastha Mukherjee, Professor, Psychiatry	Member
14	Dr. N. Harivenkatesh, Assistant Professor, Pharmacology	Member
15	Dr. Sonali Sarkar, Additional Professor & Head, PSM	Member Secretary
16	Dr. C. Palanivel, Additional Professor, PSM	Joint Secretary
17	Dr. R. Jayalakshmy, Associate Professor, PSM	Joint Secretary

JSAC Internal Committee Members List

Sl. No	Committee Members	Position
1	Dean (Research)	Chairperson
2	Dr. Niranjana Biswal, Professor (Senior Scale), Paediatrics	Member
3	Dr. S. Sujatha, Professor, Microbiology	Member
4	Dr. Pradeep Pankajakshan Nair, Additional Professor, Neurology	Member
5	Dr. Raja Jaisundar Selvaraj, Additional Professor, Cardiology	Member
6	Dr. Satyen Parida, Additional Professor, Anesthesiology	Member
7	Dr. N. Harivenkatesh, Assistant Professor, Pharmacology	Member
8	Dr. Sonali Sarkar, Additional Professor, PSM	Member Secretary
9	Dr. C. Palanivel, Additional Professor, PSM	Joint Secretary
10	Dr. R. Jayalakshmy, Associate Professor, PSM	Joint Secretary

Protocols approved by JIPMER SCIENTIFIC ADVISORY COMMITTEE for the year 2020

Month	No. of Protocols Submitted	No. of Protocols Discussed	No. of Protocols Approved
April	20	20	17
May	19	19	18
June	15	14	14
July	10	10	10
August	09	09	09

September	12	12	11
October	12	12	09
November	14	12	12
December	13	13	13
Protocols approved by JIPMER SCIENTIFIC ADVISORY COMMITTEE for the year 2021			
January	16	16	14
February	10	09	9
March	13	11	11
Total	163	157	147

3. PhD / Doctoral Research Monitoring Committee

The Ph.D. / Doctoral Research Monitoring Committee members are:

Sl. No	Committee Members	Designation
1	Dean (Research)	Chairperson
2	Dr. Vikram Kate, Professor (Senior Scale) , Dept. of GI Surgery	Member
3	Dr. Zachariah Bobby, Professor, Dept. of Biochemistry	Member Secretary
4	Dr. K. C. Premarajan, Professor, Dept. of PSM	Member
5	Dr. Narayanan P, Professor, Dept. of Paediatrics	Member
6	Dr. Jharna Mandal, Additional Professor& Head, Dept. of Microbiology, JIPMER	Member
7	Dr. BiswajitDubashi, Additional Professor, Dept. of Medical Oncology	Member
8	Dr. RakheeKar, Additional Professor, Dept.of Pathology	Member
9	Dr. Jayanthi, Additional Professor, Pharmacology, JIPMER	Member
10	Dr. Nandeesh. H, Additional Professor, Dept. of Biochemistry	Joint-Secretary
11	Dr. Lakshmi Ramamoorthy, Assistant Professor, College of Nursing	Member

PhD. Monitoring Committee Activities:

The committee conducted a series of meetings and the details are given below: 2020-21

Sl. No	Name of the Month	Ph.D. RMC- Meetings
1	April	No Meeting
2	May	65 th Ph.D.RMC
3	June	66 th Ph.D.RMC
4	July	67 th Ph.D.RMC
5	August	68 th Ph.D.RMC
6	September	69 th Ph.D.RMC
7	October	70 th Ph.D.RMC

8	November	71 st Ph.D. RMC
9	December	72 nd Ph.D. RMC
10	January-2021	73 rd Ph.D. RMC
11	February-2021	74 th Ph.D. RMC
12	March- 2021	75 th Ph.D. RMC

Institutional Ethics Committee (Human studies) for Intervention studies, JIPMER

1.	Dr.Reba Kanungo, Professor of Microbiology, Dean Research, PIMS	Chairperson (External)	Chairperson
2.	Dr C. Sudhakaran, Professor of Pharmacology, MelmaruvathurAdhiParasakthi Institute of Medical Sciences and Research, Tamilnadu	Vice-Chairperson (External)	Vice-Chairperson
3.	Dr. PrasanthGanesan, Additional Professor of Medical Oncology, JIPMER	Member	Clinician
4.	Dr. Mahalakshmi T, Professor, Preventive and Social Medicine, JIPMER	Member	Basic Medical Scientist
5.	Dr. ChanaveerappaBammigatti, Professor, Medicine	Member	Clinician
6.	Dr. C. Aruna, Associate Professor, Department of Sociology, Pondicherry University, Puducherry - 605014.	Member (External)	Social Scientist
7.	Dr. Krishna Kumari, Senior Technical Officer, VCRC, Puducherry	Member (External)	Alternate Social Scientist
8.	Smt. Priya K, Assistant Professor, Chemical Engineering, Pondicherry Engineering College, Puducherry	Member (External)	Lay Person
9.	Dr. Pampa Ch Toi, Additional Professor, Pathology	Member	Basic Medical Scientist
10.	Ms. Usha, Advocate, VOC Nagar, Puducherry	Member (External)	Legal Expert
11.	Dr. Suma HY, Additional Professor of Anatomy, JIPMER	Alternate Member Secretary	Basic Medical Scientist

12.	Dr. M. Jayanthi, Additional Professor of Pharmacology, JIPMER	Member- Secretary	Basic Medical Scientist
S. No	Alternate Members	Position	Role
1	Dr. Cyril M. Vincent, Advocate, Pondicherry	Alternate Member	Legal Expert
2	Dr. Jagadesan P, Associate Professor, Radiation Oncology, JIPMER	Alternate Member	Clinician
3	Dr. Rakhi Biswas, Associate Professor, Microbiology	Alternate Member	Basic Medical Scientist
4	Dr. Suganthi S, Assistant Professor, Pharmacology	Alternate Member	Clinician

**Institutional Ethics Committee (Human studies) for Observational Studies, JIPMER,
Pondicherry**

Sl. No.	Name & Designation	Position	Role
1	Dr. Ramachandra .V. Bhat, Professor, Dept. of Pathology, IGMC&RI, Puducherry	Chairperson	Chairperson
2	Dr. T. Anbuchselvan, Asst. Prof., Dept. of Tamil, Indira Gandhi College of Arts & Science, Puducherry	Vice-Chairperson	Vice-Chairperson
3	Dr. Vimal M, Professor of Pathology, Sri ManakulaVinayagar Medical College & Hospital, Puducherry	Member	Member
4	Dr. Subitha L, Assoc. Prof., Dept. of PSM, JIPMER	Member Secretary	Basic Medical Scientist
5	Dr. Priyadarshini R, Asst. Professor, Dept. of Pharmacology	Member cum Alternate Member Secretary	Basic Medical Scientist

6	Dr. Rashmi Kumari, Additional Professor, Dept. of Dermatology, JIPMER	Member	Clinician
7	Dr. Narayanan P, Professor, Dept. of Pediatrics, JIPMER	Member	Clinician
8	Dr. Prasanth Penumadu, Assoc. Professor, Dept. of Surgical Oncology, JIPMER	Member	Clinician
9	Dr. B.H. Srinivas, Assoc. Prof., Dept. of Pathology, JIPMER	Member	Basic Medical Scientist
10	Dr. Venkatachalam J, Assoc. Prof., Dept. of PSM	Member	Basic Medical Scientist
11	Dr. Nishanthi A, Asst. Prof., Dept. of Pharmacology, Sri Manakula Vinayagar Medical College and Hospital, Puducherry	Member (External)	Basic Medical Scientist
12	Dr. D. Dhanalakshmi, Asst. Prof., Dept. of Applied Physiology, Pondicherry University, Puducherry	Member	Social Scientist
13	Dr. K. Vijayalakshmi, Principal (Rtd.), Govt. Law College, Puducherry	Member	Legal Expert
14	Dr. C. Anantharaj, HOD, Dept. of Statistics, Indira Gandhi College of arts and science, Puducherry	Member (External)	Layperson
<u>Alternate members:</u>			
1	Dr. N. Nadimuthu, Asst. Prof., Dept. of Botany, Tagore Arts College, Puducherry	Member (External)	Layperson
2	Dr. Sivaraman, Assoc. Prof., Dept. of ENT, JIPMER	Alternate Member (Internal)	Clinician
3	Dr. Anusha Cherian, Addl. Prof., Dept. of Anaesthesiology, JIPMER	Alternate Member (Internal)	Clinician
4	Dr. Deepanjali, Addl. Prof., Dept. of Medicine, JIPMER	Alternate Member (Internal)	Clinician
5	Dr. Krishnakumari, Sr. Technical Officer, VCRC, Puducherry	Alternate Member (External)	Social Scientist
6	Dr. Rajalakshmi R, Asst. Prof., Dept. of Physiology, JIPMER	Alternate Member (Internal)	Basic Medical Scientist

INSTITUTIONAL ETHICS COMMITTEE (HUMAN STUDIES) FOR NURSING COLLEGE, JIPMER

The Institutional Ethics Committee (Human studies) for nursing courses in JIPMER College of Nursing was constituted in 2019. The major responsibility of IECs is to protect the rights, safety, and well-being of the research participants. The IECs conducts regular meetings for reviewing the research proposals and give suggestions to the investigators to make their research ethical before approving them.

The Committee is composed of the following members:

Sl. No.	Name of the Faculty	Designation	Role
1	Dr. S. Kalavathi, Professor cum former Principal, Rani Meyyammai College of Nursing, Annamalai University, Annamalainagar, Chidambaram – 608002	Chairperson (External)	Chairperson
2	Dr. M. J. Kumari, Professor cum Principal (Ag.), College of Nursing, JIPMER, Puducherry – 605006.	Member Secretary	Administrative
3	Dr. R. Manju, Additional Professor & Head, Department of Pulmonary Medicine, JIPMER, Puducherry -605006.	Member	Clinician
4	Dr. B. V. Sai Chandran, Additional Professor & Head, Department of Cardiothoracic & Vascular Surgery, JIPMER, Puducherry – 605006.	Member	Clinician
5	Dr. S. Manikandan, Associate Professor, Department of Pharmacology, JIPMER, Puducherry – 605006.	Member	Basic Medical Scientist
6	Dr. VinithaRavindran, Deputy Dean, College of Nursing, Christian Medical College, Vellore - 632004.	Member (External)	Member
7	Dr. Manjubala Dash, Professor-cum-HOD, Department of Obstetrics &Gynaecology, Mother Theresa Postgraduate& Research Institute of Health Sciences, Puducherry - 605006.	Member (External)	Member
8	Ms. V. Usha, Advocate, V.O.C. Nagar, Muthialpet, Puducherry – 605003.	Member (External)	Legal Expert
9	Dr. C. Aruna, Associate Professor, Department of Sociology, Pondicherry University, Puducherry - 605014.	Member (External)	Social Scientist
10	Dr. D. Dhanalakshmi, Assistant Professor, Department of Applied Psychology, School of Physical, Chemical & Applied Sciences, Pondicherry University, Puducherry - 605014.	Member (External)	Social Scientist
11	Mrs. M. Selvasoundary, Principal, Thiruvalluvar Govt Girls Higher Secondary School, No.94, Laporte Street, Puducherry – 605001.	Member (External)	Lay person
12	Mr. R. S. Ramesh, Assistant Professor, College of Nursing, JIPMER, Puducherry - 605006.	Member	Special Invitee
13	Dr. Lakshmi Ramamoorthy, Assistant Professor, College of Nursing, JIPMER, Puducherry - 605006.	Member	Special Invitee

14	Dean (Research)	Administrative Head	Special Invitee
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**Protocols approved by JIPMER INSTITUTE ETHICS COMMITTEE (OBSERVATIONAL STUDIES)
for the year 2020-21**

Month	No. of Protocols Submitted	No. of Protocols Discussed	No. of Protocols Approved
April 2020	32	29	26
May 2020	45	44	42
June 2020	31	29	29
July 2020	32	32	32
August 2020	36	36	35
September 2020	34	34	34
October 2020	18	18	18
November 2020	0	0	0
December 2020	27	27	27
January 2021	50	49	49
February 2021	52	49	47
March 2021	49	47	47
Total	406	394	386

Proposals approved by IEC Interventional Studies for the year 2020-21				
Sl. No.	Month	No. of Protocols Submitted	No. of Protocols Discussed	No. of Protocols Approved
Year 2020				
1.	April	05	05	05
2.	May	41	41	41
3.	June	14	14	14

4.	July	07	07	07
5.	August	06	06	06
6.	September	07	07	07
7.	October	08	08	08
8.	November	08	08	08
9.	December	11	11	11
2021				
	January	19	19	19
	February	06	05	05
	March	07	06	06
	Grand Total	139	139	139

5. Institute Bio-Safety Committee (IBSC)

Institutional Bio-Safety Committee (IBSC) of JIPMER is a registered and accredited committee of Dept. of Biotechnology (DBT), Ministry of Science and Technology, Govt. of India. As per guidelines of DBT, IBSC primarily streamlines and facilitates the research dealing with genetically modified organisms (GMOs), living modified organisms (LMOs) and recombinant-DNA (rDNA) materials.

In India, GMOs and products thereof are regulated as per the “Rules for the manufacture, use/import/export and storage of hazardous microorganisms/ genetically engineered organisms or cells, 1989” (commonly referred as Rules, 1989) notified by the Ministry of Environment and Forests (MoEF), Government of India under the Environment (Protection) Act (1986). These rules are implemented by MoEF, the Department of Biotechnology (DBT), Ministry of Science and Technology and the State Governments through the six competent authorities notified under the Rules which are as follows:

- i. Recombinant DNA Advisory Committee (RDAC)
- ii. Institutional Biosafety Committee (IBSC)

- iii. Review Committee on Genetic Manipulation (RCGM)
- iv. Genetic Engineering Appraisal Committee (GEAC)
- v. State Biotechnology Coordination Committee (SBCC)
- vi. District Level Committee (DLC).

While the RDAC has advisory in function, IBSC, RCGM, and GEAC are involved in regulatory functions. SBCC and DLC are responsible for monitoring the activities related to GMOs in state/district level. RDAC, RCGM and GEAC are constituted at the central level by DBT and MoST. IBSCs of all organizations are working in the area of GMOs, SBCC in all states and DLCs in districts, wherever necessary.

Following are the members of JIPMER IBSC:

Chairman : Dean (Research), JIPMER

Member Secretary : Dr. Rahul Dhodapkar, Addl. Prof., Dept. of Microbiology, JIPMER

DBT Nominee: Dr. Nandita Banaji, Prof. & Hd., Dept. of Microbiology, IGMCRI

Biosafety officer: Dr. Sunil Kumar Saxena, Professor, Dept. of ENT, JIPMER

External Experts:

1. Dr. Vasuki Venkatesan, Scientist-E & ICMR-VCRC,
2. Dr. J. Thanislass, Professor & Hd., Dept. of Veterinary Biochemistry, Rajiv Gandhi Institute of Veterinary and Animal Sciences (RGIVAS)

Internal Members:

1. Dr. Bhawana Badhe, Professor and Head, Dept. of Pathology, JIPMER
2. Dr. Sujatha Sistla, Professor, Dept. of Microbiology, JIPMER
3. Dr. Nivedita Nanda, Assoc. Prof., Dept. of Biochemistry, JIPMER
4. Dr. Sadish Kumar Kamalanathan, Addl. Prof., Dept. of Endocrinology, JIPMER

Number of proposal (s) approved during the year 2020 – 21; One (01)

6. Nursing Research Monitoring Committee (NRMC)

Nursing Research Monitoring Committee (NRMC) was constituted in 2015 and reconstituted in 2018. The purpose of Nursing Research Monitoring Committee (NRMC) is to increase the quality of nursing research, which is undertaken in College of Nursing, JIPMER and make it worth publication in indexed national and international journals.

The Nursing Research Monitoring committee composed of the following members:

Sl.No.	Name of the Faculty	Designation
1	Dr. Pankaj Kundra, Professor (Sr. scale), Dept. of Anaesthesiology& CC, JIPMER, Puducherry – 605 006.	Chairperson
2	Dean (Research)	Special Invitee
3	Dr. M. J. Kumari, Professor cum Principal (Ag.), College of Nursing, JIPMER, Puducherry – 605006.	Member Secretary
4	Dr. Gowri Dorairajan, Professor, Dept. of Obstetrics &Gynaecology, JIPMER, Puducherry – 605006.	Member
5	Dr. Biju Pottakkat, Addl. Prof. & Head, Dept. of Medical Gastroenterology, JIPMER, Puducherry – 605006.	Member
6	Dr. Sonali Sarkar, Additional Professor & Head, Dept. of Preventive & Social Medicine, JIPMER, Puducherry – 605006.	Member
7	Dr. Molly Mary Thabah, Associate Professor, Dept. of Medicine, JIPMER, Puducherry – 605006.	Member
8	Dr. T. P. Elamurugan, Associate Professor Dept. of Surgery, JIPMER, Puducherry – 605006.	Member
9	Dr. Mirunalini. R, Assistant Professor, Department of Pharmacology, JIPMER, Puducherry – 605006.	Member
10	Dr. Manoranjitham Sathiyaseelan, Professor (Psychiatric Nursing), College of Nursing, Christian Medical College (CMC), Vellore	Member
11	Dr. S. Kamala, Prof.&HoD, Dept. of Paed. Nsg, Rani Meyyammai College of Nursing, Annamalai University, Chidambaram	Member
12	Mr. K. T. Harichandrakumar, Assistant Professor, Dept. of Biostatistics, JIPMER, Puducherry – 605006.	Member
13	Dr. Padmavathi Nagarajan, Assistant Professor, College of Nursing, JIPMER, Puducherry - 605006.	Member
14	Dr. P. Vetrivelvi, Assistant Professor, College of Nursing, JIPMER, Puducherry -605006.	Member

Activities:

Due to COVID-19 pandemic, the 6th Nursing Research Monitoring Committee meeting had been conducted on 08.04.2021 and 09.04.2021 for M.Sc. Nursing, B.Sc. Nursing & Post Basic Diploma in Nursing at College of Nursing, JIPMER. The total no. of 41 research proposals was submitted by the B.Sc., M.Sc. Nursing and Post Basic Diploma in Nursing students as follows:

Sl. No.	Course	No. of proposal submitted
1	B.Sc. Nursing group projects	8
2	M.Sc. Nursing Dissertation (Individual) in five specialties - Medical Surgical Nursing (8) - Paediatric Nursing (4) - Obstetrics & Gynecological Nursing (5) - Community Health Nursing (4) - Psychiatric Nursing (5)	26
3	M.Sc. Nursing Group Project	6
4	Post Basic Diploma in Nursing Group Projects	1
	Total No. of proposals	41

The total no. of 41 research proposals were discussed and suggested for minor modification to resubmit the proposal for NRMC Internal committee. The 41 research proposals were resubmitted to Internal NRMC meeting, which was conducted on 17.05.2021. The resubmitted research proposals were scrutinized and verified all the modifications as suggested in 6th NRMC meeting and approved for Ethical committee clearance.

7. Plagiarism Checking Committee (PCC)

Functions

The committee has been constituted to review the thesis of MD/MS/DM/MCh/Ph.D./M.Sc. courses for plagiarism, suggest changes to the candidates to edit the content that have been copied verbatim and approve it when there is no evidence of plagiarism.

The committee also reviews the articles/ book chapters and books of faculty prior to publication.

Organisational structure

Chairman: Dean (Research)

Member Secretary: Dr. Noyal Mariya Joseph, Associate Professor, Department of Microbiology

Members:

- Dr.Mahalakshmy T, Associate Professor, Department of P&SM
- Dr.Nirupama K, Associate Professor, Department of Ophthalmology
- Dr. Gladwin V, Associate Professor, Department of Anatomy
- Dr. Karthik S, Associate Professor, Department of Physiology
- Dr.Basanta Manjari Naik, Associate Professor, Department of Physiology

Roles and responsibilities

- The Dean (Research) is the Chairman of PCC.
- The Member Secretary for PCC was nominated by the Chairman.
- The Chairman in consultation with the Member Secretary invited members who have qualification and experience to review manuscripts and check for plagiarisms.
- The Chairman monitors the functioning of the committee at regular intervals
- Members perform the administrative responsibilities of the committee.

Annual statistics

	Approved	Approved with suggestions	Resubmission*
UG (MBBS/ BSc Nursing/GJSTRAUS/ ICMR)	24	4	2
MD/ MS	186	6	8
Master of Public Health (MPH)	16	2	5
MSc Nursing and allied MSc Courses	23	5	5
DM/ MCh	36	2	1
PhD	12	2	2
Total	297	21	23

*All the theses sent for resubmission were approved after appropriate changes

8. Innovation and Development Projects Review Committee (IDPRC)

The JIPMER Research Division initiated an additional intramural funding opportunity as innovation and development projects (IDP) in the year 2019 to encourage faculty member to enable and nurture technological and product developmental capabilities concerning healthcare system and modern teaching methods. Furthermore, IDP is not a usual research grant and is primarily supports innovative products and technologies addressing unmet needs.

The innovation and development project committee was constituted in April 2019 with the following members:

1.	Dr. Rakesh Aggarwal, Director, JIPMER	Chairman
2.	Dean (Research), JIPMER	Vice- Chairman
3.	Dr. E. Lenin Babu, Addl. Prof. Anesthesiology	Member
4.	Dr. S. Dinesh Kumar, Addl. Prof. Plastic Surgery	Member
5.	Dr. P. Veena, Prof. O&G	Member
6.	Dr. V. Dinesh Kumar, Asst. Prof. Anatomy	Member
7.	Dr. Balasubramaniyan Vairappan, Associate Dean, JIPMER	Member Secretary

No. of Proposals Discussed in Innovation and Development Project Committee (IDPC) from 1st April 2020- 31th March 2021 = 05

Patents

JIPMER has so far filed nine patent applications at Indian Patent Office, Chennai, till 2019 and all the applications got published in the Indian Patent Office official journal. The patent applications were filed through the former consultant, Qintellect Knowledge Solutions, Chennai. Presently the firm Altacit Global, Chennai has been deployed as consultant for filing patent applications and to follow up the processes therein for grant of patent.

11 Patents have been filed so far (9 – 2019; 2 - 2020).

RESEARCH WORKSHOPS HELD AT JIPMER, PUDUCHERRY

In order to inculcate sound research practices and develop ethical attitudes to research, JIPMER conducts regular training sessions in research methodology including sessions in ethics, biostatistics and scientific writing for students and faculty members. Many of its faculty members are invited by colleges all over India to train their faculty members and students in research.

INTELLECTUAL PROPERTY RIGHTS WORKSHOP

Division of Research, JIPMER has organized training on intellectual property rights (IPR) one-day virtual online workshop on 27th August 2020 in collaboration with Altacit Global, Chennai. The main aim of this event was to encourage faculty member to enable and nurture IP rights for their innovation. Currently, Altacit Global agency has been deployed as consultant for filing patent applications and to follow up the processes for grant of patent for JIPMER. There were about 75 faculties and researchers participated from JIPMER Pondicherry and Karaikal. The workshop vastly covered the overview of intellectual property rights, trademark and copyright, medical patents, patent search and filing of patent applications.

MASTERCLASS 2020

Master-CLASS Master Creative thinking, Leadership and Social Skills (MASTER-CLASS) Workshop was conducted online from 22-25 September 2020.

The workshop aimed to sensitize the faculty members on creative out of the box thinking, leadership skills, and soft skills such as communication skills, presentation skills, building and working in a team, making the best of critique and other interpersonal skills. It was conducted online, using Google Meet, over 4 half day sessions from 22-25 September 2020.

The course Faculty included Dr Anand Lakshman: Public Health Entrepreneur, Co-founder of Address Health; Dr Anoop Radhakrishnan: Serial Entrepreneur & Management Expert, Co-founder of Address Health; Mr. Stanley David: Soft Skills trainer and Founder & CEO of Master

Trainers Inc and Stanley David and Associates. Dr R.Balasubramaniam, Founder of Swami Vivekananda Youth Movement (SVYM) & Grassroots Research & Advocacy Movement (GRAAM), Tribal Health Expert.

Topics that were covered in the workshop included various techniques used for creative thinking like Brainstorming, Mindmapping, Lotus Blossom technique, Excursion technique, Six Thinking Hats, Data Visualization, Morphological Analysis, Da Vincian Principles. Each technique exercise was engaged with the participants' online using platforms like Slido polls, Whats App etc. Topics like Interpersonal Communication Styles, Body Language, Active Listening, Making good scientific Presentations, Online Meeting Etiquette and Team Dynamics and Handling Critique were part of Social Skills were covered using case vignettes and group discussions. Leadership sessions included Leadership Styles, Leadership in Situations, Leadership lessons for Daily Life. The participants found Master-CLASS to be very useful and have given an extremely positive feedback for this course and want many more such sessions in future.

CREATIVE THINKING WORKSHOP

The workshop aimed to sensitize the faculty members on creative out of the box thinking, leadership skills, and soft skills such as communication skills, presentation skills, building and working in a team, making the best of critique and other interpersonal skills. The faculty participants of MASTERCLASS-2020 formed the core team of the resource faculty for this Creative Thinking workshop. It was conducted in person on 12th and 13th February 2021. There were about 40 faculties and researchers participated from JIPMER Pondicherry and Karaikal. Topics that were covered in the workshop included various techniques used for creative thinking like Brainstorming, Mindmapping, Lotus Blossom technique, Excursion technique, Six Thinking Hats, Data Visualization, Morphological Analysis, Da Vincian Principles. The participants found the workshop to be very useful and have given an extremely positive feedback for this course and want many more such sessions in future.

Workshop on Effective Search using PubMed and accessing Library Resources

The workshop was conducted in the e-platform on Effective Search using PubMed and accessing Library Resources at JIPMER on February 26, 2021. It was meant for postgraduate residents at JIPMER. One hundred nine registered for the workshop. Dr.Rajesh NG, the officer in charge of the central library, acted as the resource person. Many participants opined that it was helpful and wanted periodically to conduct such workshops.

6th Annual Research Day of JIPMER

The sixth JIPMER Research Day celebration was conducted on 8th, 9th and 10th January 2020 at the JIPMER auditorium.

Objectives

The purpose of the meeting was to promote research culture among the faculty members, PG and UG students and research scholars

Highlights

On day one, research Paper Presentation (oral/poster) by faculty, residents, Ph.D. Scholars, MPH/MSc trainees & UG students were held in different halls spread across the campus. On day two, there was a Workshop on Vaccinology and Covid-19 vaccine: an update conducted by the Director and team. This was webcast with nearly 3000 participants. Apart from the Vaccinology workshop, three concurrent workshops were held for the JIPMER faculty and residents. Dr.Sindhu S, and the team conducted *Basics In Systematic Reviews and Metanalyses* for the faculty of JIPMER. Dr.Zayapragassarazan, Dr.Vikas Menon and team conducted a workshop on *Soft skills for residents*. Dr. Medha and team conducted a *Creative Thinking Workshop for undergraduate students*. All workshops were well-appreciated and the feedback was very encouraging to organize many more such events in future. On day three, which was held in the main auditorium in hybrid mode, there was a debate by the PhD scholars and residents on research aptitude: expectation and reality. In addition, there was a live interview of Doc-Entrepreneur Dr.Jagdish Chaturvedi on his work, patent-related issue. Senior Faculty Research Oration was given to Dr. DM Thappa, a senior professor from the

Dermatology. Dr.VK Paul, Member NITI Aayog, gave a keynote address on the role of multisectoral participation in public health research. The keynote address was chaired by Dr. Rakesh Aggarwal, Director (JIPMER), and Dr. Lalgudi Narayanan Dorairajan, Medical Superintendent(JIPMER). This time five departments presented their department highlights and research plans. Departments were: ENT, Nephrology, Neurology, Radiodiagnosis, Surgical Gastroenterology. Research day celebrations ended successfully after prize distribution, followed by valedictory function.

Proposals approved by Various Scientific / Ethical committee for the year 2020 -2021					
Sl. No.	Name of the Committee	Initial Proposal discussed	Initial Proposal Approved	Amendments Approved	Total
1.	Institutional Ethics Committee Interventional Studies	100	100	41	141
2.	Institutional Ethics Committee Observational Studies	327	327	65	392
3.	Institutional Ethics Committee Nursing College	39	39	0	39
4.	JIPMER Scientific Advisory Committee (JSAC)	177	173	12	185
5.	Sponsored Clinical Trial Committee (SCTRC)	06	06	0	06
6.	Innovation and Development Project Committee (IDP)	05	05	0	05