Undergraduate Research

At MGIMS, Sevagram, over the last two decades, efforts have been made to build research aptitude of undergraduate students through provision of a capacity-building workshop followed by participation in community-based group projects under Problem Solving for Better Health initiative (PSBH), and later through a structured research mentorship programme for interested students. These efforts at the institute level succeeded in building a norm, and more and more students came forward to apply for research studentships offered by Indian Council of Medical Research short-term studentship (ICMRSTS) and/or Maharashtra University of Health Sciences short term research grants (MUHS-STRG).

ICMR and MUHS short term studentships : Completed projects

**Shreya Namjoshi; Guide: Dr Vinod Shende (ICMR-STS)**
Study of electrophysiological parameters in hypothyroid patients

**Naga Nimisha Indugu; Guide: Dr Ruchita Attal (ICMR-STS)**
Culture dependent approaches among the caries pathogen isolated from the carious dentine and their emerging drug resistance

**Sneha Vaidya; Guide: Dr Subodh S Gupta (ICMR-STS)**
Association between father’s involvement in early child learning and social and emotional development of children

**Shreyak Garg; Guide: Dr Rahul Narang**
Evaluation of diagnostic yield of sample collection by PediatricEntero™ test for diagnosis of Pediatric Tuberculosis in rural tertiary care hospital in central India.

**Sneha Yadav; Guide: Dr Abhishek Raut**
Evaluation of association of psychosocial stress and hypertension in adults >30 years of age: A community based case-control study from rural central India.

Dr Sushila Nayar Scheme for Promotion of Undergraduate Research

In order to nurture the research culture at MGIMS further, in 2014, an annual award was instituted for undergraduate research named after our founder Director, Dr Sushila Nayar. The award session provides a platform for young researchers to hone their skills in presenting scientific research and prepares them for dissemination of research findings in scientific fora.

Beginning 2017-18, the undergraduate award was made part of a comprehensive approach to build a conducive environment for undergraduate research, known as ‘Scheme for promotion of undergraduate research’, and includes research grants, travel grants, incentives for publication of papers and periodic need based workshops in order to build the research aptitude of undergraduate students.
Committee for Promotion of UG Research

- Dr Subodh S Gupta (Coordinator)
- Dr Kalyan Goswami
- Dr Bhupendra Mehra
- Dr Surekha Tayade
- Dr PN Murkey
- Dr Akash Bang
- Dr Bharati Taksande
- Dr Sachin Pawar
- Dr Ruchita Attal
- Ms Mudita Joshi (Student Representative)
- Mr Mohamed Khader Meeran (Student Representative)

Dr Sushila Nayar Short-term Research Grant

List of students who completed projects under Dr Sushila Nayar Short-term Research Grant

**Individual Projects**

**Preksha Wandile**
Comparison of culture media for isolation of filamentous fungi from drinking water

**Priya Singh; Guide: Dr Sachin Pawar**
Electrophysiological study in patients with alcoholic liver cirrhosis from central rural India

**Scientific Publications**

**Chowdhary S, Palhade K, Ingole K, Atram S, Tupat E, Doma S, Raut AV**
Prevalence of common psychological morbidities among youth and their association with tobacco and/or alcohol use: A cross-sectional study from a village in Central India.

**Joshi PA, Joshi SH, Raut AV**

**Deshpande IM, Raut AV**
A Reflective Account of Use of Photo Elicitation for Interactive Learning in a Community-Based Medical Education Setting in Rural Central India.

**Joshi MN, Raut AV**
Maternal depression and its association with responsive feeding and nutritional status of infants: A cross-sectional study from a rural medical college in central India.
Effect of participatory health promotion initiative on tobacco use among adolescents: A school-based quasi-experimental pilot study from Central India. 

*Social Health & Behavior* 2019 Jul 1; 2(3): 102.

**Namjoshi S, Dixit M, Kedar A, Mohod K, Ninghot A, Goswami K, Kumar S**

Inflammatory markers in pre-diabetes and diabetes: A comparative study. 


**Other Presentations made by Undergraduate students**

**Cheryl Mankar; Guide - Subodh S Gupta**

Effectiveness of mobile text messaging for improving child-parent interaction: a quasi-experimental study

International Conference for Healthcare and Medical Students, Royal College of Surgeons, Dublin, Ireland, 6 - 8 Feb 2020

**Shreya Namjoshi, Kanchan Mohod, Mimansa Dixit, Kalyan Goswami, Satish Kumar.**

Audit for endocrine assay in a rural tertiary care centre: clinical chemistry lab perspective 

Connaissance, JIPMER, Puducherry, 12 - 14 Apr 2019

**Mimansa Dixit, Pradeep Bokariya, Ruchi Kothari**

Assessment of pulmonary function tests and anthropometric parameters in patients with sickle cell anaemia 

Connaissance, JIPMER, Puducherry, 12 - 14 Apr 2019

**Sakshi Chandak, Ruchita Attal**

In vitro detection of virulence factors of Candida albicans and non-albicans Candida species isolated from the samples in ICU patients 

Connaissance, JIPMER, Puducherry, 12 - 14 Apr 2019

**Miscellaneous**

**Shreya Namjoshi** was selected for the CCMB Winter Research Observership Programme along with 20 other students from 2nd and 3rd year all over India. She completed 10 days observership at CCMB Hyderabad in Dec 2019

**Mimansa Dixit** attended International Summer School in Internal Medicine 

University of Copenhagen, Denmark, 12 – 23 Aug 2019
Undergraduate Research

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Dr Sushila Nayar Scheme for Promotion of Undergraduate Research
In order to nurture the research culture at MGIMS further, in 2014, an annual award was instituted for undergraduate research named after our founder Director, Dr Sushila Nayar. The award session provides a platform for young researchers to hone their skills in presenting scientific research and prepares them for dissemination of research findings in scientific fora.

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Committee for Promotion of UG Research
• Dr Subodh S Gupta (Coordinator)
• Dr Jategaonkar P
• Dr Wanjari S
• Dr Goswami D
• Dr Chauhan V
• Dr Bharati Taksande
• Dr Sachin Pawar
• Dr Ruchita Attal
• Dr Talhar S
• Ms Chaudhary S (Student representative)
• Mr Shroff M (Student representative)

Scientific publication
Five papers by undergraduate students were selected for incentives for publication. A cash incentive of Rs. 2,500 was given for each of these papers.

Prevalence of common psychological morbidities among youth and their association with tobacco and/or alcohol use: A cross-sectional study from a village in Central India.
2. Joshi PA, Joshi SH, Raut AV.
“When,”“What,” and “How” of complementary feeding: A mixed methods cross-sectional study from a rural medical college in central India.
Archives of Medicine and Health Sciences. 2019 Jul 1;7(2):217.

3. Deshpande IM, Raut AV.
A Reflective Account of Use of Photo Elicitation for Interactive Learning in a Community-Based Medical Education Setting in Rural Central India.
Journal of Medical Education. 2020 Jan 11;18(3).

4. Joshi MN, Raut AV.
Maternal depression and its association with responsive feeding and nutritional status of infants: A cross-sectional study from a rural medical college in central India.

5. Datar SS, Ture P, Raut AV.
Effect of Participatory Health Promotion Initiative on Tobacco Use among Adolescents: A School-Based Quasi-Experimental Pilot Study from Central India.

Other activities under Dr Sushila Nayar Scheme for Promotion of Undergraduate Research (viz. Short-term Research Grant, Travel Grant and Dr Sushila Nayar Award Session) were not held due to COVID-19 pandemic.
Undergraduate Research

At MGIMS, Sevagram, over the last two decades, efforts have been made to build research aptitude of undergraduate students through provision of a capacity-building workshop followed by participation in community-based group projects under Problem Solving for Better Health initiative (PSBH), and later through a structured research mentorship programme for interested students. These efforts at the institute level succeeded in building a norm, and more and more students came forward to apply for research studentships offered by Indian Council of Medical Research short-term studentship (ICMR STS) and/or Maharashtra University of Health Sciences short term research grants (MUHS-STRG).

ICMR STS Completed

Deepanshi Gupta; Moderator – Dr Subodh S Gupta
Project title - Association between mothers’ social capital and socio-emotional development of children
ICMR STS reference ID - 2020-04761

Shayan Mukherji; Moderator – Dr Vishakha Jain Rao/ Dr Samir Yelwatkar
Project title - Insulin therapy- perceptions, knowledge and practice among health care professionals in a tertiary care hospital
ICMR STS reference ID –2020-04755

Yugal Jogad; Moderator – Dr Ruchi Kothari
Project title - Variations in Sympathovagal Balance, Psychogalvanic Reflex and Isometric Grip Force in Females with Polycystic Ovarian Syndrome - An Exploratory Study
ICMR STS reference ID - 2020-03828

Prachi Nikose; Moderator –Dr Arjun Kumar Jakasania
Project title - Estimation of Iodine content in kitchen salt at household level in Rural Maharashtra : Across – sectional study
ICMR STS reference ID - 2020-04182

Shabbir Gheewala; Moderator –
Project title: Gauging of Body Fat Percentage, Galvanic Skin Response and Muscle Grip Strength in Female Hypothyroid Patients
ICMR STS reference ID -

Dr Sushila Nayar Scheme for Promotion of Undergraduate Research

In order to nurture the research culture at MGIMS further, in 2014, an annual award was instituted for undergraduate research named after our founder Director, Dr Sushila Nayar. The award session provides a platform for young researchers to hone their skills in presenting scientific research and prepares them for dissemination of research findings in scientific fora.
Beginning 2017-18, the undergraduate award was made part of a comprehensive approach to build a conducive environment for undergraduate research, known as ‘Scheme for promotion of undergraduate research’, and includes research grants, travel grants, incentives for publication of papers and periodic need based workshops in order to build the research aptitude of undergraduate students.

**Committee for Promotion of UG Research**
- Dr Subodh S Gupta (Coordinator)
- Dr Jategaonkar P
- Dr Wanjari S
- Dr Gosavi D
- Dr Chavan V
- Dr Bharati Taksande
- Dr Sachin Pawar
- Dr Ruchita Attal
- Dr Talhar S
- Ms Chaudhary S (Student representative)
- Mr Shroff M (Student representative)

**Other projects**

“Awareness campaign to educate remote tribal communities about intimate hygiene as a measure to prevent Urinary Tract Infection in children”.
Guide: Dr S Chhabra

**Scientific publication**


*(Dr Sneha Yadav is eligible to receive incentives for scientific publication for this paper under Dr Sushila Nayar Scheme for promotion of undergraduate research)*


Sharma S, Biswas P. “Awareness about reproductive hygiene as a measure of genitourinary tract infection prevention in children- Is it time modify the national policies?” IOSR Journal of Dental and Medical Sciences (IOSR-JDMS), 21(02), Ser -16, 2022, pp. 34-38.


**Paper presentation(online)**

Sharma S, Kothari R, Bokariya P
Comparison of Heart Rate Variability among athletes and non-athletes assessed on treadmill exercise. - ISSEMCON – 2022, Saveetha Medical College and Hospital. (24-26 March 2022)
Undergraduate Research

At MGIMS, Sevagram, over the last two decades, efforts have been made to build research aptitude of undergraduate students through provision of a capacity-building workshop followed by participation in community-based group projects under Problem Solving for Better Health initiative (PSBH), and later through a structured research mentorship programme for interested students. These efforts at the institute level succeeded in building a norm and more and more students came forward to apply for research studentships under Indian Council of Medical Research short-term studentship (ICMR STS) and/or Maharashtra University of Health Sciences (MUHS STRG).

ICMR and MUHS short term studentships : Completed projects

**Anatomy**
- Potharkar A; Guide: Shende MR (MUHS-STRG)
  Perception and attitude of undergraduate students on use of social media:
  A cross sectional study

- Bhongle R; Guide: Bokariya P (MUHS-STRG)
  Anthropometric measurements of hypertensive patients with special emphasis on facial features

**Biochemistry**
- Chowdhary S; Guide: Goswami K (MUHS-STRG)
  To determine and explore the mechanisms of the anti-filarial action of chalcon derivatives against *Brugia malayi* parasite

- Honale N; Guide: Satish Kumar (ICMR-STS)
  Evaluation of DIPSI guidelines for detection of gestational diabetes mellitus against WHO recommended oral glucose tolerance test- a cross sectional study, in Wardha, Central India

- Kazi K; Guide: Mohod K (ICMR-STS)
  Clinico-epidemiological status in females seeking assessment of thyroid profile at a tertiary care rural hospital: a retrospective study

**Community Medicine**
- Meeran M; Guide: Gupta SS (ICMR-STS)
  Determinants of social and emotional development among preschool children (3- 6 years): a cross sectional study

- Joshi M; Guide: Raut A (ICMR-STS)
  Maternal depression and its association with responsive feeding and nutritional status of infants. A cross-sectional study from a rural medical college in central India.
Datar S; Guide: Raut A (ICMR-STS)
Effect of personalized health card on tobacco use among adolescents: a school based quasi-experimental pilot study from central India.

Microbiology
Chandak S; Guide: Attal R (ICMR-STS)
In vitro detection of virulence factors of Candida albicans and non-albicans Candida species isolated from the samples in ICU patients

Namjoshi S; Guide: Attal R (MUHS-STRG)
Microbiological analysis of Candida species isolated from indoor, environment and health care workers of Pediatric unit at the tertiary care hospital in Central India

Physiology
Hemavaishnave TS; Guide: Kothari R (ICMR-STS)
Evaluation of the role of visual evoked potentials in detecting the visual impairment in type 2 diabetes mellitus

Chhajed S; Guide: Pawar S (ICMR-STS)
Polysomnographic study in hypertension

Karwande A; Guide: Kothari R (MUHS-STRG)
Study of brainstem evoked response audiometry (BERA) in medical students having long time mobile usage

Dr Sushila Nayar Scheme for Promotion of Undergraduate Research

In order to nurture the research culture at MGIMS further, in 2014, an annual award was instituted for undergraduate research named after its founder Director, Dr Sushila Nayar. The award session provides a platform for young researchers to hone their skills in presenting scientific research and prepares them for dissemination of research findings in scientific fora.

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Committee for Promotion of Undergraduate Research

Coordinator : Dr Subodh S Gupta
Members : Dr Kalyan Goswami, Dr Bhupendra Mehra, Dr Surekha Tayade, Dr PN Murkey, Dr Akash Bang, Dr Bharati Taksande, Dr Sachin Pawar, Dr Ruchita Attal
Student representatives : Mr Akshay Yadav, Ms Sahitya Rao

Dr Sushila Nayar Short-term Research Grant: Completed projects

Individual Projects

Aakanksha Shukla; Guide: Pradeep Bokariya (Anatomy)
Measurement of orbital dimensions (orbital height, orbital breadth and length of superior orbital fissure) using dry skulls
Onkar Warambhe; Guide: Deepashri Maraskolhe (Microbiology)
Isolation of organism from blood and look for their antibiotic pattern and different virulence factors in Intensive care unit patients (ICU) in rural hospital

Shambhavi Chowdhary; Guide: Kalyan Goswami (Biochemistry)
Study of clinical and demographic pattern of thyroid profile investigation in clinical biochemistry laboratory of a tertiary care rural hospital

Madhur Shroff; Guide: Subodh S Gupta (Community Medicine)

Group Projects
Kshitija Palhade, Shambhavi Chowdhary, Kartik Ingole, Shruti Atram, Eashwar Tupat, Sanghe Doma; Guide: Abhishek V Raut (Community Medicine)
Prevalence of common psychological morbidities among youth (15-24 years) and their association with tobacco and/or alcohol use: a cross-sectional study from a village in central India.

Divya Dixit, Aamir Khan, Mohini Nadagouda, Mehak Saini, Saumitra Dixit, Lisha Choudhari, Meenal Nirvan; Guide: Subodh S Gupta (Community Medicine)
Association of complementary feeding practices to nutritional status among children currently aged 2-5 years in a village in Wardha district

Dr Sushila Nayar Travel Grant for Undergraduate Students
List of students who have been sanctioned travel grant

Vidit Panchal; Guide: Ruchi Kothari (Physiology)
An investigative study on impact of smoking on visual evoked responses of healthy volunteers

Hemavaishnave TS; Guide: Ruchi Kothari (Physiology)
Study of alterations of visually evoked responses in type 2 diabetes mellitus- looking beyond horizon
Presented at AUXESIS 2017, Grant Medical College and Sir JJ Group of Hospitals, Mumbai, 7-9 Aug 2017.

Akshay S Yadav; Guide: Ruchi Kothari (Physiology)
An interventional study for assessing the influence of Yoga on medical students under stress
Presented at MUHS State Level Research Conference 2017-18, VMGMC, Solapur, 21 Jan 2018

Shreya Namjoshi; Guide: Ruchita Attal (Microbiology)
Microbiological analysis of Candida species isolated from indoor, environment and health care workers of pediatric unit at the tertiary care hospital in central India
Presented at MUHS State Level Research Conference 2017-18; VMGMC, Solapur, 21 Jan 2018
Apurva Bhalchandra Potharkar; Guide: MR Shende (Anatomy)
Attitude and perception of undergraduate students towards use of social media;
Presented at MUHS State Level Research Conference 2017-18; VMGMC, Solapur, 21 Jan 2018

Dr Sushila Nayar Memorial Award for Undergraduate Research
Two award sessions were held in year 2017-18.

Award Session 1: 19 Apr 2017

Paper presentations
Anurag Rathi; Guide: Dr Kshirod Mishra
Quality of sleep among medical students: Relationship with the personality traits

Akshay Yadav; Guide: Dr Ruchi Kothari
Impact of Yoga on stress experienced by medical students – An interventional study

Rutuja Bhongle; Guide: Dr Pradeep Bokariya
Anthropometric measurements of hypertensive patients with special emphasis on facial features

Sonika Kumari; Guide: Dr Anupama Gupta
Knowledge and attitude profile of hospital visitors towards blood donation in central India

Mudita Joshi; Guide: Dr Abhishek Raut
Maternal depression and its association with responsive feeding and nutritional status of infant - a cross sectional study from a rural medical college in central India

Gauri Patki; Guide: Dr Abhishek Raut
Assessment of factors causing delay in initiation of treatment of tuberculosis: A cross sectional study from rural Wardha

Mohamed Khader Meeran; Guide: Dr Kanchan Mohod
Clinico-epidemiological status in females seeking assessment of thyroid profile at a tertiary care rural hospital- a retrospective study

Shambhavi Chowdhary; Guide: Dr Kalyan Goswami
Targeting folate metabolism in Brugia malayi parasitic model using synthetic chalcone derivatives as probe

Awards for Session 1
Best paper award: Ms Gauri Patki (2012 batch)
Second best paper award: Ms Shambhavi Chowdhary (2015 batch)
Third best paper award: Ms Mudita Joshi (2014 batch)

Award Session 2: 21 Mar 2018

Paper presentations
Kshitja Palhade; Guide: Dr Abhishek Raut
Prevalence of common psychological morbidities among youth (15-24 years) and their association with tobacco and/or alcohol use: a cross-sectional study from a village in central India
Apurva Potharkar; Guide: Dr MR Shende
Perception and attitude of undergraduate students on social media use: a cross-sectional study

Aakanksha Shukla; Guide: Dr Pradeep Bokariya
Measurement of orbital dimensions (orbital height, orbital breadth and length of superior orbital fissure) using dry skulls

Hemavaishni TS; Guide: Dr Ruchi Kothari
Evaluation of the role of VEP in detecting visual impairment in type 2 diabetes mellitus

Madhur Shroff; Guide: Dr Subodh S Gupta

Shambhavi Chowdhary; Guide: Dr Kalyan Goswami
Study of clinical and demographic pattern of thyroid profile investigation in clinical biochemistry laboratory of a tertiary care rural hospital

Mohamed Khader Meeran; Guide: Dr Subodh S Gupta
Determinants of social and emotional development among preschool children (3- 6 years): a cross sectional study

Awards
Best paper award: Ms Shambhavi Chowdhary (2015 batch)
Second best paper award: Mr Mohammad Khader Meeran (2015 batch)
Third best paper award : Ms Aakanksha Shukla (2016 batch)

Incentives for scientific publications by undergraduate students

List of selected students
Shruti Pansare
Jain S, Pansare SS.
Perceptions of Indian women on hysterectomy.

Akshay Yadav
Yadav A, Kothari R, Bokariya P, Gupta SS.
An interventional study for assessing the impact of yoga on anxiety levels of medical students under stress.

Shambhavi Chowdhary
Chowdhary S. Learning with the community: An enriching experience.
Undergraduate Research

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**ICMR and MUHS short term studentships : Completed projects**

**Karthik Ingole; Guide: Dr Pranita Waghmare (ICMR-STS)**

**Cheryl Mankar; Guide: Dr Subodh S Gupta (ICMR-STS)**
Effect of SMS based daily messages on child parent interaction – a quasi-experimental study

**Laltesh Saran; Guide: Dr Vijayshri Deotale (ICMR-STS)**
Detection of colistin resistance amongst MDR isolates from rural hospital

**Preksha Wandile; Guide: Dr Deepashri Maraskolhe (ICMR-STS)**
Comparison of culture media for isolation of filamentous fungi from drinking water

**Naga Nimisha Indugu; Guide: Dr Ruchita Attal (ICMR-STS)**
Culture dependent approaches among the caries pathogens isolated from carious dentine and their emerging drug resistance

**Snigdha Sharma; Guide: Dr Pradeep Bokariya (ICMR-STS)**
Influence of body shape index on heart rate variability in athletes.

**Priyanka Joshi; Guide: Dr Abhishek Raut (ICMR-STS)**
When, what and how of complementary feeding: A mixed -methods cross- sectional study from a rural medical college in central India.

**Harshita Garg; Guide: Dr Akash Bang (ICMR-STS)**
To estimate the incidence of extrauterine growth restriction among babies born in a rural tertiary teaching hospital and find out risk factors associated with it.
Sujay Sudhir Srivastava; Guide: Dr Ruchi Kothari (ICMR-STS)
Study VO2 max in athletes on exercise on treadmill and cycle ergometer as assessed in Sports Physiology Laboratory

Mimansa Dixit; Guide: Dr Sachin Pawar (ICMR-STS)
Study of obesity as a risk factor for obstructive sleep apnea hypopnea syndrome in rural subjects

Neha Yadav; Guide: Dr Nitin Gangane (ICMR-STS)
Family, society and health system support for women with breast cancer in rural India.

Sujay Srivastava; Guide: Dr Ruchi Kothari (MUHS-STRG)
Study of visual evoked potentials in school children: A potential aid to pediatric ophthalmology

Prerna Shelke; Guide: Dr Deepashri Maraskolhe (MUHS-STRG)
Incidence of fungi in drinking water in a rural hospital

Saurabh Sharma; Guide: Dr Ruchita Attal (MUHS-STRG)
Strategies for Carbapenemase detection in Enterobacteriaceae and Nil fermenters

Dr Sushila Nayar Scheme for Promotion of Undergraduate Research
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- Dr Kalyan Goswami
- Dr Bhupendra Mehra
- Dr Surekha Tayade
- Dr PN Murkey
- Dr Akash Bang
- Dr Bharati Taksande
- Dr Sachin Pawar
- Dr Ruchita Attal
- Ms Mudita Joshi (Student representative)
- Mr Mohamed Khader Meeran (Student representative)
Dr Sushila Nayar Short-term Research Grant

List of students who completed projects under Dr Sushila Nayar Short-term Research Grant

**Individual Projects**

**Sujay Srivastava; Guide: Dr Ruchi Kothari (Physiology)**
Study of visual evoked potentials in school children: A potential aid to pediatric ophthalmology.

**Sakshi Chandak; Guide: Dr Ruchita Attal (Microbiology)**
In vitro detection of virulence factors of *Candida albicans* and non-albicans *Candida* species isolated from samples in ICU patients.

**Yashika Kotla; Guide: Dr Sumedh Jajoo (Medicine)**
Demographics, clinical presentation, complications and outcomes of scrub typhus in central India in a tertiary care teaching hospital: A retrospective analysis of hospital based data.

**Ayushi Sethi; Guide: Dr Jyoti Jain (Medicine)**
Diagnostic accuracy of clinical signs in detecting type of anemia.

**Cheryl Mankar; Guide: Dr Abhishek Raut (Community Medicine)**
Diabetes, depression and quality of life among elderly: An observational cross-sectional study from a tertiary care hospital in central India.

**Prachi Kamble; Guides: Dr Deepashri Maraskolhe (Microbiology), Dr Leena Chimurkar (Pharmacology)**
In vitro antibacterial activity of extract of Rose and *Hibiscus rosasinensis* against *Escherichia coli* isolated from clinical samples.

**Group Projects**

**Shreya Namjoshi, Mimansa Dixit; Guides: Dr Kanchan Mohod, Dr Satish Kumar, Dr Kalyan Goswami (Biochemistry)**
Audit for endocrine assay in a rural tertiary care centre: clinical chemistry lab perspective.

**Dr Sushila Nayar Travel Grant for Undergraduate Students**

List of students who were sanctioned travel grant

**In-country Travel Grant:**

**Snigdha Sharma; Guide: Dr Ruchi Kothari (Physiology)**
Study of psychological wellbeing of medical students at Mahatma Gandhi Institute of Medical Sciences.
MEDSICON 18 (Medical Students International Conference), Vardhman Mahavir Medical College & Safdarjung Hospital, New Delhi; 26-29 Apr 2018.
Prachi Kamble; Guides: Dr Deepashri Maraskolhe (Microbiology), Dr Leena Chimurkar (Pharmacology)
Invitro antibacterial activity of rose and *Hibiscus rosasinensis* leaf and petals on *E.coli* in tertiary care hospital
TRINITY 2019; Organized jointly by LTMC, Sion, Mumbai and MUHS, Nashik; 7-9 Mar 2019

**International Travel Grants:**

Sujay Srivastava; Guide: Dr Ruchi Kothari (Physiology)
Study of VO2 max in athletes upon exercise on treadmill and cycle ergometer as assessed in sports physiology laboratory.
International Medical Undergraduate Research Conference, University of Jayewardenepura, Sri Lanka; 7-8 Feb 2019.
*(Received second best paper award in the category ‘Non-communicable diseases’)*

Cheryl Mankar; Guide: Dr Subodh S Gupta (Community Medicine)
International Medical Undergraduate Research Conference, University of Jayewardenepura, Sri Lanka; 7-8 Feb 2019.
*(Received best paper award in the category Primary Health Care)*

Mudita Joshi; Guide: Dr Abhishek Raut (Community Medicine)
Maternal depression and its association with responsive feeding and nutritional status of infants: A cross-sectional study from a rural medical college in central India.
International Medical Undergraduate Research Conference, University of Jayewardenepura, Sri Lanka; 7-8 Feb 2019.

Snigdha Sharma; Guide: Dr Pradeep Bokariya (Anatomy)
Influence of body shape index on heart rate variability in athletes.
International Medical Undergraduate Research Conference, University of Jayewardenepura, Sri Lanka; 7-8 Feb 2019.

Akanksha Nath; Guide: Dr Sourav Goswami (Community Medicine)
Understanding the health needs of elderly population in rural Wardha, central India: a qualitative study.
International Medical Undergraduate Research Conference, University of Jayewardenepura, Sri Lanka; 7-8 Feb 2019.
*(Received second best paper award in the category ‘Primary Health Care’)*

Sneha Yadav; Guide: Dr Nitin Gangane (Pathology)
Family social and health system support for breast cancer patients in rural India.
International Medical Undergraduate Research Conference, University of Jayewardenepura, Sri Lanka; 7-8 Feb 2019.
Other Presentations made by Undergraduate students

Sneha Yadav; Guide: Dr Nitin Gangane (Pathology)
Family social and health system support for breast cancer patients in rural India
Global health summit, Mumbai. GS Medical College and Hospital, Mumbai; 27-28 Dec 2018
(Received 3rd Best Paper Award in All-Inclusive Category in the Young Investigator Research Competition)

Snigdha Sharma; Guides: Dr Pradeep Bokariya, Dr Ruchi Kothari
A promising fitness parameter unleashed yet to be explored: body shape index
MUHS State Level Research Conference for Medical Faculty at Maharashtra Institute of Medical Education & Research (MIMER), Pune
(Second prize under category of completed funded research projects)

Incentives for scientific publications by Undergraduate Students

List of students selected

Anurag Rathi
Rathi A, Ransing RS, Mishra KK, Narula N.
Quality of sleep among medical students: Relationship with personality traits.
## Theses 2017

### Anatomy

**Bokariya P; Guide: Dr Doshi MA (PhD)**  
Effects of acyclovir, insulin and ondansetron on developing chick embryo: histological and histochemical study

**Barma MD; Guide: Dr Shende MR**  
Anthropometric measurements of type 2 diabetic patients with special emphasis on facial features

**Paul L; Guide: Dr Waghmare JE**  
Assessment of renal dimensions and its relationship with anthropometry

### Anesthesia

**Kumari P; Guide: Dr Jain S**  
Comparison of airway nerve blocks with topical lignocaine anesthesia using nebulizer – for awake fiberoptic nasal intubation of trachea

**Bhugra N; Guide: Dr Tidke S**  
A study comparing Kings LTS-D vs Combitube as a primary device for airway management during short general anesthesia

**Khandwe A; Guide: Dr Premendran B**  
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### Biochemistry

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**Chandankhede P; Guide: Goswami K**  
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Kothekar P; Guide: Mehendale AM
Health literacy about antenatal, intranatal, postnatal and child health care among women of reproductive age group (15 to 45 years), the cross sectional study in tribal region of Central India

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Psychosocial and economic impact of oral cancer on patients and their caregivers: A community based qualitative study in Central India

Golhar H; Guide: Deshmukh PR
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Assessment of cases of hanging with respect to demographic profile and neck injuries autopsied at a medical college in central India

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Kulkarni AR; Guide: Dr Jain J
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Clinical and endoscopic profile of upper gastrointestinal bleed and its predictor of outcomes

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Prevalence of ventilator associated pneumonia in adult indoor patients of rural hospital in central India

Roy S; Guide: Dr Narang R
Evaluation of rapid diagnostic test (RDT) against indirect immunofluorescence assay (IIA) and polymerase chain reaction (PCR) for diagnosis of scrub typhus in central India

Dev H, Guide: Dr Thamke D
A laboratory based study on distribution and virulence factors of *Malassezia* species isolated from patients of *Pityriasis versicolor* and dandruff

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Suman A; Guide: Dr Shivkumar PV
A prospective study of socio-demographic factors, maternal obstetric disorders, co-morbidities and events leading to maternal near miss and mortality in a rural tertiary care hospital

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A prospective study of comparison of risk of malignancy indices (RMIs) in evaluation of ovarian neoplasm at rural tertiary hospital in central India

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Sheikh A; Guide: Dr Shukla AK
Study of the prevalence and correlates of diabetic retinopathy with a non-mydriatic fundus camera among the known diabetic population in rural area

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Study of binocular visual functions in isoametropic and anisometropic patients undergoing laser assisted in-situ keratomileusis (LASIK) surgery

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An observational, cross-sectional study of monitoring of adverse drug reactions of anti-depressant drugs prescribed to patients visiting psychiatry department of a rural tertiary care teaching hospital of central India: A pharmacovigilance study

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Correlation of the pure tone audiometry findings with intraoperative findings in patients with tubotympanic chronic suppurative otitis media and study of its surgical outcome.

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Evaluation of victims of assault registered under Clinical Forensic Medicine Unit of a tertiary care hospital in central India.

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Predictors of mortality and length of hospital stay in elderly patients admitted to medicine intensive care unit in a rural tertiary care hospital.

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Clinico-demographic profile and clinical outcomes of patients requiring ventilation support in a tertiary care intensive care unit of a rural teaching medical college: A prospective cohort study.

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Primary cemented bipolar hemiarthroplasty in unstable osteoporotic intertrochanteric fractures in elderly: A prospective study

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A randomized controlled study for comparative evaluation of pre-emptive single dose analgesia with pregabalin versus lumbar epidural analgesia using bupivacaine in adult patients undergoing laparoscopic surgeries on postoperative pain and hemodynamics.

Jha N; Guide: Tidke S
The effect of nebulized ketamine in decreasing the incidence and severity of post operative sore throat after endotracheal intubation in patients receiving general anaesthesia.

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Comparative study between 0.5% ropivacaine with fentanyl and 0.5% bupivacaine with fentanyl in USG guided supraclavicular brachial plexus block in upper limb surgeries.

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Quality assessment of Home Based Newborn Care in field practice area of a rural medical college: a cross sectional study with mixed methods.

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Magnitude and determinants of psychological morbidities among pregnant women in a field practice area of a medical college in central India: A cross-sectional study.

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Clinico-epidemiological study of facial hypermelanosis in females in rural tertiary care center in central India- a cross sectional study.

Bansode D; Guide: Jain Sonia
Assessment of effectiveness of oral zinc therapy as anadjunct to intralesional Measles, Mumps, Rubella vaccine in patients of common verruca vulgaris in rural tertiary care centre of central India.

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Pethe N; Guide: Nagpure PS
To study he anatomical variations and difficulties in endoscopic dacryocystitis in tertiary health care centre – A descriptive study.
Akulwad S; Guide: Nagpure PS
Clinical Profile of sinonasal masses at tertiary based hospital in India

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Naik S; Guide: Kalantri SP
Diagnostic accuracy of 20-minute whole blood clotting test (WBCT20) to detect coagulopathy in snake envenomation

More S; Guide: Jain Jyoti
Profile of non-tuberculous Mycobacteria in progressive pulmonary disease in rural tertiary care hospital in central India incorporating use of gelatin coated face masks for collection of samples

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Profile of non-tuberculous Mycobacteria in progressive pulmonary disease in rural tertiary care hospital in central India incorporating use of gelatin coated face masks for collection of samples

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Singh N; Guide: Tayade S
DIPSI Guidelines to estimate the prevalence and feto maternal outcome in gestational diabetes mellitus- A study in rural population

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Prospective study of maternal serum vitamin D levels as high risk factor for preterm labour and its effect on maternal and neonatal outcome in a rural tertiary health care setting

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Drug utilization of corticosteroids in department of dermatology at tertiary care teaching hospital in rural India A cross sectional study

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A cross-sectional study for assessment and comparison of the magnitude and pattern of substance abuse in diagnosed cases of bipolar affective disorder and schizophrenia in a rural medical college

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A study of thrombocytopenia and hypokalemia in alcohol withdrawal delirium in tertiary health care center in rural India

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Role of ultrasound elastography to distinguish metastatic from reactive lymph nodes in patients with primary head and/or neck cancers
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Prospective randomized study to compare concurrent chemoradiotherapy with concomitant boost radiotherapy in terms of overall response and quality of life in locally advanced head and neck cancer

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A comparison of hemodynamics and ease of intubation in intubating the trachea using intubating laryngeal mask airway after induction versus awake fiberoptic bronchoscopy in patients with difficult airway.

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A randomized controlled study for comparative evaluation of pre-emptive single dose analgesia with pregabalin vs. Lumbar epidural analgesia using bupivacaine in adult patients undergoing laparoscopic surgeries on postoperative pain and haemodynamics.

Sarinkumar P S; Guide: Dambhare D
Development and validation of a tool to assess home environment conducive to child development for young children”

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Impact of package of intervention promoting responsive feeding practices on nutritional status and eating behaviour of infants and young children. A cluster randomized controlled study.

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Association of Father’s participation in responsive caregiving at 3 - 6 months of age with child development outcomes at 16 - 18 months of age: A cohort study

Muneshwar K; Guide: Gupta SS
A study to assess quality of complementary feeding and determinants of inadequate complementary feeding practices among mothers of children aged 6 – 24 months in rural area of central India: A cross sectional study with mixed methods.
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Nandwani S; Guide: Kar S  
A cross-sectional study of mucocutaneous manifestations in patients with End Stage Renal Disease on hemodialysis at a rural tertiary care hospital in central India.

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Evaluation of nasal obstruction in a tertiary health care Centre.”

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A prospective observational study of Endoscopic Septoplasty and Surgical Outcome in a Rural based Tertiary Health care Hospital.

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Acute Undifferentiated Febrile illness in patients presenting to a tertiary care Teaching Hospital in central India : Etiology ,Clinical Spectrum and Outcome

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Prevalence of invasive candidiatisis in a rural tertiary care hospital: An Observational study.

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Role of Caspase 8 as a prognostic biomarker in breast carcinoma

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Immunohistochemical expression of cyclin D1 in lesions of the thyroid

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Prospective study of early and immediate outcome of preterm neonates in rural Medical College in Central India.

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Transfusion related adverse reaction in patients admitted in medicine department at tertiary care teaching hospital in central India.

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A cross-sectional study for assessment and comparison of the magnitude and pattern of substance abuse in diagnosed cases of bipolar affective disorder and Schizophrenia in a rural medical college

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A study of thrombocytopenia and hypokalemia in alcohol withdrawal delirium in tertiary health care center in rural India

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Association of Biochemical Parameters and Risk factors with Non Alcoholic Fatty liver disease in adults

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"Role of Magnetic Resonance Imaging in Evaluation of Bone Tumours with Histopathological Correlation in Radiograph Suspected Patients in Rural Tertiary Care”.

Radiotherapy Deshmukh M; Guide: Vyas V
Experimental study to compare hypofractionated radiotherapy v/s conventional concomitant chemoradiotherapy in terms of overall response, toxicity profile and quality of life in head and neck cancers

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Profile of Non Tuberculous Mycobacteria in Progressive Pulmonary disease in Rural Tertiary care hospital in central India Incorporating use of gelatin coated face masks for collection of samples

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