

# ***GIMS: Research activities***

## **List of Research proposals under going**

S. No	Name of the Principal Investigator	Title of the Research proposal
<b><u>Extramural:</u></b>		
1.	<b>Dr. Vivek Gupta</b> Associate Professor Dept. of Microbiology GIMS	Combined digital surveillance and effective COVID 19 testing frameworks and tools
2.	<b>Dr Saurabh Srivastava</b> Professor & Head Dept. of General Medicine, GIMS	A Phase II, Open Label, Randomized Controlled Trial to Assess the Safety and Efficacy of Convalescent Plasma to Limit COVID-19 Associated Complications in Moderate Disease
3.	<b>Dr. Shikha Seth</b> Professor & Head Dept. of OBG, GIMS	Standardising reporting and evidence generation of clinical characteristics and outcome of COVID 19 in Pregnancy – satellite centre under All India collaboration project by WHO.
4.	<b>Dr Rashmi Upadhay</b> Assistant Professor Dept. of Pulmonary Medicine, GIMS	Establishment of COVID 19 patient registry in collaboration with ICMR
5.	<b>Dr Rambha Pathak</b> Professor & Head Dept. of Community Medicine, GIMS	Establishment of Bio repository of blood samples from COVID-19 cases.
6.	<b>Dr Anurag Srivastava</b> Associate Professor Dept. of Community Medicine, GIMS	A Randomized Controlled Double Blinded Comparative Clinical Trial to evaluate the effectiveness of Siddha medicines, Kaba Sura Kudineer (KSK) & Nilavembu Kudineer(NVK) along

		with standard Allopathy treatment in the management of symptomatic COVID 19 patients
7.	<b>Dr Vivek Kumar Sharma</b> Professor & Head Dept. of Physiology, GIMS	Effect of meditation and slow pranayama on autonomic function, pulmonary function and stress in healthcare workers due to COVID-19 pandemic: correlation with inflammatory and oxidative stress markers
8.	<b>Dr Kiran Jhakar</b> Assistant Professor Dept. of Psychiatry, GIMS	Mental health and social stigma among healthcare personnel involved in the management of Covid-19 patients in India study site Gautam Budha Nagar Noida.
<b><u>Intramural:</u></b>		
9.	<b>Dr. Hariom Kumar Solanki</b> Assistant Professor, Dept. of Community Medicine, GIMS	Knowledge Attitude and Practice of Covie-19 related behaviors, before and after an informational/Education campaign in a semi- rural population residing in Greater Noida.
10.	<b>Dr. Harmesh Manocha</b> Associate Professor & Head Dept of Microbiology, GIMS	A Validity study of the Rapid Antigen testing kit in detection of SARS-CoV-2 at GIMS, Greater Noida.
11.	<b>Dr. Anurag Srivastava</b> Associate Professor, Dept. of Community Medicine, GIMS	Potential Bio Clinical Correlates Affecting Convalescent Plasma Therapy for COVID 19
12.	<b>Dr. Gyanendra Singh</b> Assistant Professor Dept. of Pathology, GIMS	Prognostic significance of neutrophil lymphocyte ratio, lymphocyte monocyte ratio, platelet lymphocyte ratio and C-reactive protein in COVID-19 patients: An experience from a tertiary care hospital.
13.	<b>Dr Payal Jain</b> Associate Professor Dept. of General Medicine, GIMS.	To identify the predictors of disease severity in COVID-19 infected patients in a tertiary care government hospital in greater Noida
14.	<b>Dr Deepti Chopra</b> Associate professor, Dept. of Pharmacology, GIMS	Adverse drug reaction monitoring in patients of Corona virus disease and Health care professionals being administered hydroxychloroquine for prophylaxis.
15.	<b>Dr Vivek Kumar Sharma</b> Professor & Head	Effect of meditation on heart rate variability, inflammation & oxidative stress in healthcare

	Dept. of Physiology GIMS	workers and COVID-19 positive patients- A pilot study.
16.	<b>Dr. Sandeep Kumar Pandey</b> Assistant Professor Dept. of Dentistry, GIMS.	Comparison of Treatment outcomes of autologous Blood phototherapy vs 25% Dextrose Phototherapy in chronic recurrent temporomandibular joint dislocation: A retrospective study.
17.	<b>Dr. Neha Mishra</b> Assistant Professor Dept. of Obs tetics & Gynaecology, GIMS	Clinical course, biochemical characteristics and outcome of Covid-19 diseases in menopausal and Pre-menopausal woman – retrospective comparative analysis.
18.	<b>Dr. Saurabh Srivastava</b> Professor Dept. of General Medicine, GIMS	Correlation of Neutrophil-lymphocyte Ratio with endothelial dysfunction and insulin resistance in patients with type-2 diabetes.
19.	<b>Dr. Saurabh Srivastava</b> Professor & Head, Dept. of General Medicine, GIMS	Antibody titer in recovered Covid-19 Patients: Are declining trends the only possibility? A tertiary care centre-based study.
20.	<b>Dr. Rashmi Upadhyay</b> Assistant Professor & Head, Dept. of Pulmonary Medicine, GIMS	Comparative evaluation of different treatment regimens of a tertiary care hospital – A retrospective study.
21.	<b>Dr. Saurabh Srivastava</b> Professor & Head, Dept. of General Medicine, GIMS	Efficacy of convalescent plasma in treating moderate to severe Covid-19 patients in tertiary care – A retrospective analysis.
22.	<b>Dr. Neema Agarwal</b> Associate Professor & Head Dept. of Radiology GIMS	Chest Radiographic findings in Covid-19 positive patients in a tertiary care government hospital in northern India
23.	<b>Dr. Anurag Srivastava</b> Associate Professor Dept. of Community Medicine GIMS	To assess the efficiency of a simple Scoring system in cough/flu OPD to identify Covid-19 suspects in a tertiary care government hospital amidst Covid-19 pandemic
24.	<b>Dr. Neema Agarwal</b> Associate Professor & Head Department of Radiology GIMS	Determinants of Covid-19 health care workers.

25.	<b>Dr. Shikha Seth</b> Professor & Head Department of Obstetrics & Gynecology GIMS	Role of short-term oral estradiol in natural estrogen deficient symptomatic Covid-19 patients-A RCT.
26.	<b>Dr. Manabendra Baidya</b> Assistant Professor, Department of General Surgery GIMS.	Impact of COVID-19 pandemic on general surgical patients.
27.	<b>Dr. Mamta Padhy</b> Assistant Professor, Department of Biochemistry GIMS	Impact of Vit D supplementation in COVID-19 patients with respect to inflammatory markers, LOS and Clinical outcome – a single blind randomized controlled trial.
28.	<b>Dr. Nazia Nazir</b> Associate Professor Department of Anesthesia GIMS	Pattern of adverse drug reaction in COVID-19 patients admitted in COVID Intensive Care Unit of a COVID-19 hospital.
29.	<b>Dr. Atul Kumar Gupta</b> Associate Professor Dept. of Surgery, GIMS	‘Long Covid’-Frequency & pattern of persistent in Covid patients – Follow up study from a single center.
30.	<b>Dr Amit Sreevastava</b> Assistant Professor, Department of Anatomy GIMS	Assessment of the psychological impact of COVID-19 pandemic on undergraduate medical students in India.
31.	<b>Dr Hariom Kumat Solanki</b> Assistant Professor, Department of Community Medicine, GIMS	Enablers of plasma donation by previously covid-19 positive patients treated at a tertiary care hospital in North India - a cross sectional study.
32.	<b>Dr Rambha Pathak</b> Professor, Department of Community Medicine, GIMS	Effectiveness of Ivermectin in preventing development of Symptomatic Covid-19 among primary contacts of newly diagnosed Covid-19 patients at a tertiary care hospital in India - an Interventional study.
33.	<b>Dr. Shalini Bahadur</b> Associate professor, Department of Pathology, GIMS	Morphological changes on PBS in relation with CT value in COVID-19 patients.

34.	<b>Dr Shalini Shukla</b> Assistant Professor Department of Pathology,GIMS	Parameters of coagulation in COVID-19 patients and its clinical Correlation.
35.	<b>Dr. Ritu Sharma</b> Associate Professor Department of Obstetrics & Gynecology GIMS	COVID-19 infection in pregnancy – fetomaternal outcome and possibility of vertical transmission.
36.	<b>Dr. Mamta Padhy</b> Assistant Professor Department of Biochemistry GIMS	Evaluating laboratory parameter for diagnostic accuracy in RTPCR positive case and to explore the association of VIT-D with inflammatory markers and CT values of RTPCR positive patient, in a tertiary care Government Hospital in Greater Noida, U.P.

### **List of Non Covid – 19 Research Proposals**

37.	<b>Dr. (Brig.) Rakesh Gupta</b> Director, GIMS	Impact of nutritional counseling on Infant and Young child Feeding practices in children (6 months to 2 Years) attending Immunization clinic in a tertiary care hospital in Western Uttar Pradesh.
38.	<b>Dr. Vanita lal</b> Professor & Head, Dept. of Biochemistry, GIMS	Candidate gene assay & their functional expression in sick neonates and children with altered plasma ammonia, lactate and pyruvate for suspected urea cycle enzymes defect and Mitochondriopathies.
39.	<b>Dr. Vivek Kumar Sharma</b> Professor & Head, Dept. of Physiology, GIMS	Association of Epicardial Fat thickness (EFT) and autonomic functions with body composition in Pre-diabetic and diabetic patients.
40.	<b>Dr. Vivek Kumar Sharma</b>  Professor & Head, Dept. of Physiology, GIMS	Assessment of abdominal muscle tone in male patients with inguinal hernia
41.	<b>Mr. Saideswara Rao</b> Tutor, Dept. of Biochemistry, GIMS	Relationship between Telomere length, Endothelin-1, markers of inflammation and oxidative stress in Preeclampsia.
42.	<b>Dr. Payal Jain</b> Associate Professor, Dept. of Medicine, GIMS	Study of clinical profile of type 2 diabetes mellitus patients.

43.	<b>Dr. Payal Jain</b> Associate Professor, Dept. of Medicine, GIMS	Screening for type 2 diabetes in general practice
44.	<b>Dr. Nazia Nazir</b> Associate Professor & Head, Dept. of Anesthesia, GIMS	Randomized Controlled Trial for comparison of Evaluation of Efficacy and Safety of epidural infiltration of particulate versus non-particulate steroids in treatment of patients with Sciatica
45.	<b>Dr. Vaibhav</b> Assistant Professor, Dept. of General Surgery, GIMS	To study the etiopathogenesis of Renal stone disease by means of stone analysis
46.	<b>Dr. Vivek Kumar Sharma</b> Professor & Head, Dept. of Physiology, GIMS	Effect of alpha and beta and theta Audio-visual brainwave entrainment on Mood, Cognition, Heart rate variability and psychological profile of healthy adult volunteers.
47.	<b>Dr. Vivek Kumar Sharma</b> Professor & Head, Dept. of Physiology, GIMS	Effect of Heartfulness (HFN) meditation on stress, autonomic functions and psychological parameters of soldiers.
48.	<b>Dr. Aprajita</b> Assistant Professor, Dept. of Physiology, GIMS	Assessment of attention span, perceived stress, heart rate variability and sleep quality in the shift workers of a tertiary care hospital.
49.	<b>Dr. Aprajita</b> Assistant Professor, Dept. of Physiology, GIMS	A study on teacher perception readiness and views on merits and demerits of the newly implemented competency based undergraduate curriculum over the conventional, curriculum in the medical colleges of Delhi-NCR.
50.	<b>Dr. Aprajita</b> Assistant Professor, Dept. of Physiology, GIMS	Impact of log book on reflective skills in the medical undergraduates of a medical institution
51.	<b>Dr. Rahul Bagla</b> Assoc. Professor, Dept. of ENT, GIMS	Noise induced hearing loss in bus drivers
52.	<b>Dr. Rahul Bagla</b> Assoc. Professor, Dept. of ENT, GIMS	Assessment of hearing status in smokers- a hospital based cross sectional study.

53.	<b>Dr. Nazia Nazir</b> Associate Professor, Dept. of Anesthesia, GIMS	Randomized trial to study the efficacy and safety of two different boluses of Nor-epinephrine for prevention of post spinal hypotension in caesarean section: A dose finding study.
54.	<b>Dr. Anurag Srivastava</b> Associate Professor, Dept. of Community Medicine, GIMS	Pattern of Psychosocial predictors of Tobacco consumption among adolescents in Western Uttar Pradesh
55.	<b>Dr. Vikas Saxena</b> Associate Professor, Dept. of Orthopaedics, GIMS	Fibromyalgia: An important cause of chronic low back pain in middle aged suburban population of Wolfe and ACR criteria
56.	<b>Dr. Nandita Chaturvedi</b> Assistant Professor & Head, Dept. of Ophthalmology, GIMS	Uncorrected refractive error as a cause of headache: A cross sectional study
57.	<b>Dr. Manabendra Baidya</b> Assistant Professor, Dept. of Gen. Surgery, GIMS	Comparison of Limberg flap and Deepithelialisation technique for the treatment of patients with Pilonidal sinus disease: A pilot study.
58.	<b>Dr. Saurabh Srivastava</b> Professor & Head, Dept. of Gen. Medicine, GIMS	Neutrophil lymphocyte ratio as a marker of endothelial dysfunction and insulin resistance in patients with type 2 diabetes and their first degree relatives
59.	<b>Dr. Bharti Bhandari R</b> Associate Professor, Dept. of Physiology, GIMS	Self-directed learning: Assessment of students' abilities and their perspective
60.	<b>Dr. Deepti Chopra</b> Associate Professor, Dept. of Pharmacology, GIMS	Knowledge and awareness of Ethics among 1st year undergraduate medical students.
61.	<b>Dr. Kiran Jakhar</b> Associate Professor, Dept. Of Psychiatry, GIMS	Questionnaire based study on orientation to foundation course
62.	<b>Dr. Bharti Bhandari R</b> Associate Professor,	Introduction of self-directional learning among 1st year MBBS students

	Dept. of Physiology, GIMS	
63.	<b>Dr. Sandeep Kr. Pandey</b> Associate Professor, Dept. of Dentistry, GIMS	Comparative evaluation of treatment outcome after arthrocentesis versus therapeutic therapy in the internal derangement of temporomandibular joint on the basis of clinical parameters: A prospective randomized preliminary clinical study.
64.	<b>Dr. Savita Gupta</b> Assistant Professor, Dept. of Anesthesia, GIMS	Norepinephrine versus Phenylephrine to maintain the arterial blood pressure during spinal anesthesia for Caesarean delivery: A prospective double blinded study.
65.	<b>Dr. Savita Gupta</b> Assistant Professor, Dept. of Anesthesia, GIMS	Norepinephrine versus Phenylephrine for maintenance of Hemodynamic during Caesarean section under spinal anesthesia.
66.	<b>Dr. Vivek Kumar Sharma</b> Professor & Head, Dept. of Physiology, GIMS	Effect of heartfulness meditation on Epicardial Fat thickness (EFT) and autonomic functions and inflammation and telomere/telomerase complex in Pre-diabetic and diabetic patients.
67.	<b>Dr. Nidhi</b> Senior Resident, Dept. of Ophthalmology, GIMS	A comparative study of the efficacy of the topical loteprednol tabonate 0.5% and fluoromethalone 0.1% in the treatment of vernal keratoconjunctivitis
68.	<b>Dr. Ritu Sharma</b> Associate Professor Dept. of Obs. & Gyane, GIMS	Efficacy of Mifepristone in the inducing labour in the intra uterine death – A randomized control trail
69.	<b>Dr. Rahul Bagla</b> Assoc. Professor Dept. of ENT, GIMS	A comparative study on microbiological profile and antibiogram of surface and core micro flora in palatine tonsils – A tertiary care hospital based study
70.	<b>Dr. Rahul Bagla</b> Assoc. Professor Dept. of ENT, GIMS	To determine the diagnostic accuracy of FNAC in the case of thyroid swelling by comparing it to histopathology report.
71.	<b>Dr. Amit Sreevastava</b> Assistant Professor Dept. of Anatomy, GIMS	Establishing association between cervical lordotic angle and early cervical spine degeneration in young adult computer professionals of Western Uttar Pradesh
72.	<b>Dr. Ranjana Verma</b> Professor & Head, Dept. of Anatomy, GIMS	Effect of centrality of umbilical cord and vascular pattern of Chorionic Blood Vessels on foetal outcome.



73.	<b>Dr. Sandeep Pandey</b> Assistant Professor, Department of Dentistry GIMS	The effectiveness of arthrocentesis and evaluation of need of single vs. double session for the treatment of internal disc derangement without reduction of Temporomandibular joint: A two year Retrospective study.
74.	<b>Dr Amit Sreevastava</b> Assistant Professor Department of Anatomy GIMS	Estimation of gender and body height of an individual by using spatial gait parameters Length swept in one stride and step-width.