

SIKKIM MANIPAL INSTITUTE OF MEDICAL SCIENCES

Sl.No	Supervisor	Co Supervisor	Ph.D. Scholar Supervised with topic (Completed)	Ph.D. Scholars registered at present with topic and registration number (Current)	Department	Area of expertise
1	Dr. Arundhati Bag Professor & Head	Dr. BC Basistha, Addl. Director, Dept. of Science & Technology & Climate Change, Sikkim State Council of Science & Technology, Gangtok.	(Kul Bdr Subba, Reg. No: 201410015) Study on genetic diversity, micro propagation, somatic hybridization and a fungal disease of Amomum subulatum Roxb., a medicinal and cash crop plant of Sikkim Himalaya.		Medical Biotechnology	Medical Biotechnology
				(Abhishek Bhayut, Reg. No: 201910030) Identification of medicinal plants grown in Sikkim with hypoglycemic effect and protective effect on podocyte-specific proteins in Diabetic nephropathy in animal model		

2	Dr. Amit Chakraborty Scientist "E" (Deputy Director-Medical), ICMR, Kolkata	1. Dr Sanjiba Dutta, HoD Psychiatry, SMIMS 2. Dr. Yogesh Verma, Prof, Dept of Pathology, SMIMS	(Sunil Pandey Reg. No 200810001) Availability Accessibility and accessibility of treatment of Alcohol and other drug abuse in Sikkim.		Pharmacology	
3	Dr. Amlan Gupta Prof & Head	1. Dr Mingma Sherpa Prof & Head, Dept. of Pathology, SMIMS 2. Dr Rohan Sinha Adjunct Faculty Dept. of Neurosurgery, SMIMS	(Rohit Kumar Sarda, Reg. No: 201410002) Therapeutic Evaluation of Neural Stem Cells Implant with without Bacopa and Analogs in Partially Damaged Spinal Cord in Mice A Cytological Histomorphological and Clinical Study.		Anatomy	Morbid Anatomy & Pathology
4	Dr Ashish Pradhan, Asso Professor	Dr P P Mohanty, Asso Prof & Head, Dept of Physiotherapy, SANIRTAR, Cuttack, Odisha	.	(Mr. Vinay Kumar, Reg. No: 201710003) Evaluation of the goal oriented outcomes of neuro development therapy in children with cerebral palsy	Paediatrics	Paediatric Neurology
5	Dr. Binod K. Tamang Professor & Head	Dr. Th. Naranbabu Singh Designation - Professor & Head Department of Anatomy Regional Institute of	(Thoudam Bedita Devi; Reg. No: 201410011) Secular trained in the cephalometric		Anatomy	Medical Anthropometry

		Medical Sciences Imphal Manipur-795001	characters of the Meitei males of Manipur valley.			
		1. Dr. PC Sarmah, Former Head, FMT, SMIMS, 2. Dr. Bidita Khandelwal Professor & Head, Dept. of Medicine, SMIMS	(Mrs. Anju Bala, Reg. No:201310008) Palmar Dermatoglyphics Patterns of Diabetes Mellitus and diabetic with hypertension patient in Gangtok region.		Anatomy	Morphology And Anthropometry
6	Dr. Bidita Khandelwal Professor	Prof Mridula Das, Former Principal, SMCON	(Barkha Devi, Reg. No: 201410010) Video based demonstration as a complement or replacement for the conventional method on antenatal examination.		Medicine	
		Dr Amit Chakraborty, Scientist E ROHC, ICMR, Kolkata ;	(Mrs Deepanjana Dass- Reg. No. 201210004) Prevalence and predictors of analgesic misuse: A controlled, cross- sectional study among urban young adults of East Sikkim as supervisor.		Medicine	

		Dr Namgyal T Sherpa, Principal Chief Consultant & Head Medicine STNM Hospital Gangtok	(Dr. Vijay Pratap Singh Reg. No 201110005) Effect of Yoga and Music Therapy intervention in Type II Diabetes Mellitus – A RCT as supervisor.		Medicine	
7	Dr. Chandra Kala Sharma, Professor	1. Dr Mingma L Sherpa Prof & HOD Dept. of Biochemistry, SMIMS 2. Dr Mona Dhakal Prof, Dept of Medicine, SMIMS 3. Dr. G Karaunakran, Principal / Director. Govt Pharmacy College, Sikkim		(Archana Adhikari Reg. No 202210024) AT1R gene polymorphism and essential hypertension in response to AT1R blockers in patients attending a tertiary care hospital of Sikkim	Pharmacology	
8	Prof (Dr) DK Jha, Former Head	Dr Chandrakala Sharma, Professor, Dept of Pharmacology, SMIMS	(Bibhushan Dhungyal, Reg. No: 201310012) Study of the hypoglycemic and hypolipoidemic effects of plants used as antidiabetic by Sikkimese population.		Physiology	

		Dr Bidita Khandelwal, Prof Department of Medicine, SMIMS	(Dr. Rubi Dey, Reg. No: 201410001) Changes in Physiological Variables and Plasma Biomarker BNP in Ischaemic and haemorrhagic stroke.		Physiology	
			(Tanaya Ghosh Reg. No. 201310007) Studies On Weight Loss In Rats By The Leaves Of <i>Abrus Precatorius Linnaeus.</i>		Medical Biotechnology	
9	Dr. Dechenla Tshering Bhutia, Professor & Head	Dr Rakesh K Saroj Asst. Professor, Dept of Comm Med, SMIMS- Former		(Kreeti Pal, Reg. No: 202210030) Developing a valid and reliable tool to assess the job satisfaction of healthcare providers: A Mixed Method Study	Community Medicine	Health Care
		Dr. Rakesh Kumar Saroj, Assistant Professor, Department of Community Medicine, SMIMS		(Kanchan Yadav Reg No. 202310007) Statistical and machine learning models for predicting the determinants of mental disorders among older adults living with NCDs in India.		

10	Dr. Dechen C Tsering, Professor	Dr Laishram Shanti Kumar, Scientist, Microbial Biotechnology IBSD, Gangtok Sikkim		(Varsha Thapa, Reg. No: 202110016) Study on Microbial Bioremediation of Effluents from Pharmaceuticals plants of Sikkim.	Microbiology	Bioremediation of effluents
		Dr Dipmala Das, Associate Professor Department of Microbiology IQ City Medical College Durgapur		(Longiam Langamba Angom, Reg. No: 201810004) Molecular characterization of invasive Carbapenem resistant <i>Acinetobacter baumannii</i> from a tertiary care hospital in south India.		Drug resistance in <i>Acinetobacter baumannii</i>
		Dr Sudarshan Tamang, Assistant Professor, Department of Chemistry, Sikkim University		(Priyanka Chettri, Reg. No: 202210022) Isolation and characterization of bacteria from Municipal solid waste for production of enzymes and waste degradation in Sikkim		Biodegradation of solid waste and bacterial isolated

11	Dr. Jyotsna Kapil, Professor	1. Dr Karma G Dolma, Associate Professor, Department of Microbiology, SMIMS 2. Dr Sushen Pradhan, Department of Science & Technology and Climate Change, Govt of Sikkim		(Januka Pradhan Reg. no: 201910028) In-vitro screening of ten medicinal plants of Sikkim and their potential as antimicrobial agents against multi drug resistant <i>Pseudomonas aeruginosa</i> isolation from clinical specimens of central referral hospital, Tadong, East Sikkim.	Microbiology	
12	Dr. J Mahanta, Director, Regional Medical Research Centre (RMRC) Assam.	Dr Luna Adhikari, Professor, Dept. of Microbiology, SMIMS	(Karma Gurney Dolma Reg No. 200710016) Study of default, relapse and failures cases of pulmonary tuberculosis in the population of Sikkim.		Microbiology	
13	Dr. Karma G Dolma, Associate Professor	Dr. O. P. Dhakal, MD, Professor, Medicine, SMIMS		(Thounaojam Salvia Devi, Reg. No: 201810018) Identification and molecular characterization of MDR <i>Enterobacteriaceae</i> from the clinical isolates and correlation with the corresponding bacterial species of the normal	Microbiology	

				intestinal flora of the patients.		
		1. Dr. Parvati Nandy, Professor, & Head, Department of Medicine, SMIMS 2. Dr. Manisha Biswal, Professor, Department of Microbiology, PGIMER, Chandigarh		(Ryumzok Targain, Reg. No: 201910027) Diagnostic evaluation by NESTED-PCR in clinically suspected patients of scrub typhus diagnosed by Rapid Diagnostic Test and ELISA and phylogenetic analysis of the 56 kDa TSA gene of <i>Orientia tsutsugamushi</i> .		
		Dr. Bidita Khandelwal, Professor, Department of Medicine, SMIMS		(Rachna Khati, Reg. No: 202210019) Evaluation of anti bacterial and anti-biofilm effect of plant extract derived nanoparticles in mice model induced with MDR-E.coli biofilms isolated from the clinical samples of patients attending CRH, Sikkim.		
		Dr Tapan Majumdar, Professor & Head, Department of Microbiology, AGMC & GBP Hospital, Agartala.		(Joy Chakraborty, Reg No. 202210023) A study on the Alterations of the gut microbiota in patients with active		

				pulmonary tuberculosis before, during and after treatment attending a tertiary Healthcare facility in Tripura, India: a 16s rRNA Metagenomic study		
14	Dr. Luna Adhikari, Professor & Head	1. Prof (Dr.) Sangeeta Dey, Dept. of Microbiology, Katihar Medical College, Karim Bagh, Katihar, Bihar 854105	(Priyanka Paul Biswas Reg. No 20101011) Phenotypic and genotypic heterogeneity of enterococcus species with reference to detection of its virulence markers	.	Microbiology	Tuberculosis Antimicrobial resistance
		2. Prof. (Dr.) Aninda Sen, Dept. of Microbiology, Katihar Medical College, Karim Bagh, Katihar, Bihar 854105				
		Dr Aninda Sen, Professor, Department of Microbiology, Katihar Medical College, Katihar		(Dhananjay Kumar, Reg. No: 201910026) Evaluation of Modified CLSI phenotypic confirmatory test for detection of ESBL producers directly from urine samples and among beta-lactamase producers	Microbiology	

				isolated from various clinical samples.		
		Dr Bidita Khandelwal, Prof Department of Medicine, SMIMS		(Uttejna Tewari, Reg. No: 201610002) Analysis of molecular diversity of M. tuberculosis strains and its impact on drug susceptibility and prognosis of the patients.	Microbiology	
		1. Dr. Tapan Majumdar, Professor &HOD, Department of Microbiology, SMIMS. 2. Dr. Rekha Sharma, Asst. Prof Dept of Microbiology, SMIMS		Mr Apurba Sarkar, Reg No. 202310019 A study on molecular characterization, expression of IFN- γ and FOXP3 and their polymorphism in patients with hepatitis - C virus (HCV) infection in the state of Tripura, North – East India.	Microbiology	
15	Dr. Mingma Lhamu Sherpa, Professor		(Birendra Kr. Jha, Reg 201410014) Evaluation of atherogenic dyslipidemia inflammatory markers and pro-thrombotic status in metabolic syndrome of Janakpur, Nepal.		Biochemistry	

	<p>1. Prof (Dr) Amlan Gupta, Dept of Pathology, SMIMS</p> <p>2. Dr Anup Pradhan, Professor, Dept of OBG SMIMS</p>	<p>(T. Paras Singh, Reg. No: 201210003)</p> <p>Generation of Islet-like cell cluster from Human Mesenchymal stem cell derived from Umbilical Cord Wharton's Jelly and cord blood for therapeutic potential in mice with type -1 diabetes mellitus.</p>		Biochemistry	
	<p>Dr Sanjiba Dutta, Professor & Head, Dept. of Psychiatry, SMIMS</p>		<p>(Yazum Bhutia, Reg. No: 201610001)</p> <p>Genotypic status of ADH1B and ALD42 and its association with alcohol use phenotype - a cross sectional study of people visiting referral hospital of East Sikkim.</p>	Biochemistry	
	<p>1. Dr Arundhati Bag, Assistant Prof, Dept of Medical Biotechnology, SMU</p> <p>2. Dr R L Sharma, Associate Prof., Dept of Dermatology, SMIMS</p>		<p>(Suinaina Lal, Reg. No: 202110012)</p> <p>Mol. marker based profiling of HPV infection and microRNA expression in oral, anogenital and cervical lesions presented at CRH.</p>	Biochemistry	

		<ol style="list-style-type: none"> 1. Dr Anup Pradhan, Professor & Head, Dept of OBG, SMIMS 2. Dr Mingma Sherpa, Associate Professor, Department of Pathology SMIMS 		<p>(Dr. Pesona G. Lucksom Reg. No 201910031) Assessment of HPV genotypes among the women in Sikkim (PaGeS): Cervical cancer screening modalities.</p>	Biochemistry	
		<ol style="list-style-type: none"> 1. Dr Anup Pradhan, Professor & Head, Dept of OBG, SMIMS 2. Dr Soumyajit Das, Asso Prof, Dept of ENT, SMIMS 		<p>(Chamma Gupta, Reg. No: 201810024) A comparative study of HPV DNA Assay to assess HPV Infection status and genotypes using urine, oral and cervical samples among men and women of Sikkim.</p>	Biochemistry	
		<ol style="list-style-type: none"> 1. Dr Rinchen D Bhutia, Assistant Professor, Department of Biochemistry, SMIMS. 2. Dr Pesona Grace Lucksom, Professor, Department of OBG, SMIMS. 		<p>(Lakpa Doma Sherpa, Reg. No 202310018) A Study of D loop-C150T Mitochondrial DNA polymorphism and mtDNA copy number from self-collected cervical samples in hr-HPV positive cases among the Sikkimese women of Northeast India.</p>	Biochemistry	
16	Dr. Nasrin Laskar, Professor	Dr. Anup Kumar Chakarbatty, MBBS, PhD, Hony. Secretary, Health Vision Research,		<p>(Abijit Dey, Reg. No. 202310036) Mixed method study to explore the factors and the extent of delay in</p>	Community Medicine	Tuberculosis

		Kolkata, West Bengal, India.		Tuberculosis diagnosis & Treatment in West Bengal.		
17	Dr. Parvati Nandy Professor	1. Dr Ramesh Ardhanari, Medical Director, Meenakshi Mission Hospital & Research Center Madurai, Tamil Nadu. 2. Dr Rakesh Kumar Saroj, Asst. Professor School of Computational and Integrative Science, Jawaharlal Nehru University, New Delhi		(Dr Narandra Nath Jena Reg. No. 202310035) A Hospital based prospective study of the clinical and socio demographic variables of acute stroke and its correlation with neurological outcome and quality life – of patients presenting to a tertiary care centre at Madurai.	Medicine	
18	Dr. Polly Lama, Professor.	1. Dr Jyoti P Kulkarni, Professor & Head, Dept of Anatomy, SMIMS 2. Dr. TA Singh, Professor & Head, Dept of Biochemistry, SMIMS	(Jerina Tewari, Reg. No: 201510009) Glycoproteins of the cadaveric and pathological intervertebral discs.		Anatomy	Cell Biology & Immuno Histochemistry
19	Dr. PK Mitra, Former Prof & Head	Dr TA Singh, Prof & Head, Biochemistry, SMIMS	(Debi Parsad Ghosh Reg No 201010027) Role Of <i>Amaranthus Spinousus Linn.</i> In Experimental Gastric Ulcer.		Medical Biotechnology	Medical Biotechnology

20	Dr. Ratnabali Sengupta, Former Head,	Prof (Dr) BK Kanungo, Head, Dept of OBG, SMIMS	(Karma Lakhi Bhutia, Reg. No:201210012) Histomorphological studies in Hyrtl's Anastomosis of Umbilical Arteries and Placenta in Pregnancy Induced Hypertension.		Anatomy	Morphology and Anthropology
21	Dr. Sudip Dutta, Professor & Head		(Dr Selvam Ramachandran, Reg. No: 201010009) Effect of early physical Therapy intervention on singleton preterm very low birth weight infants at risk of developing motor developmental delay- a randomized controlled clinical trial.		Paediatrics	Neonatology
22	Dr. Sanjay Kumar, Prof & Head	1. Dr Samrat Singh Bhandari, Professor, Department of Psychiatry, SMIMS 2. Dr Nasrin Banu Laskar, Professor, Department of		(Dr. Bhawana Thapa, Reg. No: 2021110015) Prevalence of depression and its association with heart rate variability and pulmonary function among	Physiology	

		Community Medicine, SMIMS		the school going adolescents of Sikkim.		
		Dr. Anil Baran Choudhury, Professor & Head, Department of Biochemistry, Govt. Medical College Rajnandgaon		(Shipra Das, Reg. No: 202110014) Impact of regional adiposity among metabolically obese, unhealthy obese and metabolically unhealthy normal weight college going young adults phenotype: a cross sectional study.	Physiology	
		1. Dr. Vijay Pratap Singh, Associate Professor, Department of Physiotherapy, KMC Manipal 2. Dr. Mona Dhakal, Professor Department of Medicine, SMIMS		(Suprabha Sharma, Reg. No: 201910007) Effects of 12 week of YOGA Therapy on Heart Rate Variability, Blood Pressure and Pulmonary function in Prediabetes and Type II Diabetes Mellitus : Randomised Controlled Trial.	Physiology	
		Dr. (Colonel) Surinder Pal Singh, Prof & Head, Department of physiology, Army college of Med. Science, Delhi		(Sneha Latta Rai, Reg. No 202310008) Study of changes in heart rate variability & pulmonary function amongst people residing in different altitudes of Sikkim- A cross sectional analytical study.	Physiology	

		Dr. Kopila Agrawal, Associate Professor, Department of Basic &Clinical Physiology, BMCTH, Morang, Nepal.		(Santosh Kumar Deo, Reg No 202310020) Prevalence, severity and risk factors of type 2 diabetes- induced cardiac autonomic dysfunction among highlanders and lowlanders of Nepal.	Physiology	
23	Dr. Sanjiba Dutta, Professor & Head	1. Dr. Samrat Singh Bhandari, Professor, Department of Psychiatry, SMIMS 2. Dr Sonam O Lassopa, Clinical Psychologist, STNM, Gangtok		(Archana Chettri, Reg. No: 201510015) A prospective follow up study on the effectiveness of Psychological intervention fro anxiety in school going students of Sikkim.	Psychiatry	
24	Dr. Saumen Gupta, Associate Professor	1. Dr. B B Pradhan, Principal, SIST, Chisopani 2. Dr. NS Chauhan, CAEPHT, Ranipool.		(Dr. Remon Chettri. Reg. No: 201910029) Study on work related MSK disorders and rate of Health promotion in Farm workers of Sikkim.	SMCPT	
25	Dr. Sonam Choden Bhutia, Associate Professor	Dr. Mingma L Sherpa, Prof & Head, Department of Biochemistry		(Samita Rai, Reg. No 202210020) Association between blood level of inflammatory cytokines & DNA damage with disease severity in knee osteoarthritis: A hospital-based study in Sikkim.	Biochemistry	

26	Dr. Sushrut Varun Satpathy, Associate Professor	<p>1. Dr. Rinchen D Bhutia, Assistant Professor Dept. of Biochemistry, SMIMS.</p> <p>2. Dr. Ena Pradhan, Asst, Prof. Dept of Pharmacology, SMIMS</p>		<p>(Urvashi Sharma, Reg No. 202310021) Anti-senescence activity of <i>Tupistra clarkei</i> on d-galactose induced aging in mice.</p>	Pharmacology	
27	Dr. T A Singh, Former Professor & Head	Dr. Mingma Lhamu Sherpa, Dept. of Biochemistry SMIMS	<p>(Sonam Choden Bhutia Reg No. 200810002). Production of Polyclonal Antibody against Osteogenic Protein-1 from Arthritic Synovial Fluid and Study for Immunodiagnostic Utility and Correlation with Oxidative Stress Markers in Arthritis.</p>		Biochemistry	
		Dr. Parvati Nandy, Dept. of Medicine, SMIMS	<p>(Soibam Deepa, Reg. No: 201210001) A comparative study of role of COLIA1 Gene Polymorphism and Biochemical Markers in early Detection of</p>		Biochemistry	

			Osteopenia and Osteoporosis.			
		1. Dr. Bidita Khandelwal, Head, Dept. of Medicine, SMIMS, 2. Dr. M L Sherpa , Prof & Head, Dept of Biochemistry SMIMS	(Rinchen Doma Bhutia- 201210002) A Study of Blood Oxidation Products of DNA, protein & lipid in and among individuals progressing towards Metabolic Syndrome.		Biochemistry	
28	Dr. TSK Singh, Former Professor & Head	Dr. Sudip Dutta, Head, Dept of Pediatrics, SMIMS	(N. Onila Chanu, Reg. No: 201510008) Occurrence of intestinal parasitic infections with gastrointestinal symptoms in the children of East Sikkim.		Microbiology	
		1. Dr. Luna Adhikari, Dept. of Microbiology, SMIMS 2. Dr. Parvati Nandi, Department of Medicine, SMIMS	(Preety Choudhary, Reg. No: 201510007) Study of MDR and XDR TB by RT-PCR in patients of PTB diagnosed by IGRA and/OR Fluorescent Microscopy.		Microbiology	Tuberculosis Antimicrobial resistance

	Dr. Luna Adhikari, Professor, Dept. of Microbiology, SMIMS	(Kunsang Ongmoo Bhutia Reg .No 200710016) Prevalence of Staphylococcus aureus in the community of Sikkim and the molecular analysis of community and healthcare associated methicillin resistant staphylococcus aureus.		Microbiology	
	Dr. Dechen C Tsering, Dept. of Microbiology, SMIMS.	(Shubra Poonia Reg. No 201110006) Study of water quality in rural areas of Sikkim Through physico chemical and bacteriological analysis and antibiotic susceptibility of bacterial isolation		Microbiology	
	Dr Dechen C Tsering Professor, Dept of Microbiology, SMIMS		(Tongbram Bhamani Devi, Reg. No: 201610009) Morphological and molecular characterization of <i>Paragonimus</i>	Microbiology	Morphological and Molecular Characterization of <i>Paragonimus</i> Westermani

				<i>Westermani</i> occurring in Manipur.-		
		Dr Karma G Dolma Asso. Prof. Dept of Microbiology, SMIMS		(Umananda Yumnam, Reg. No: 201610010) Study on the first Intermediate Snail host of <i>Paragonimus</i> species in India.	Microbiology	
29	Dr Tshering Dolkar, Associate Professor	1. Dr Wansalan Karu Shullai, Associate Professor, OBG, NEIGRIHMS. 2. Dr. Binu Upreti, Asso Prof. Dept. of Community Medicine, SMIMS		(Badondor Shylla Reg No.202310023) Facilitators & barriers of utilization of maternal health care services among mothers and health care providers in Meghalaya: A Mixed Methods Study.	Community Medicine	
30	Dr. V K Mehta, Former Professor & Head Dept of Community Medicine, SMIMS	1. Dr. Tashi Tobgay, Director, KGUMSB, Bhutan 2. Dr. Elsa Sanatombi Devi, Asso Prof, Manipal College of Nursing, Manipal University	(Manikala Moktan, Reg. No: 201510002) To assess the present status of Nursing Education in Bhutan- A cross sectional study-		Community Medicine	
		Prof (Dr) Ajeya Jha, Professor, Dept. of Mgt. Studies, SMIT	(Col. Ajay Dheer, Reg. No: 201410013) Attrition of Manpower due to high altitude illness: A human Resource Perspective.		Community Medicine	

		Dr. Nikita Joshi Principal, SMCPT	(Frieda Bokali, Reg. No: 201410012) Impact of Environmental Barreirs on Disablement Process of Community Dwelling Elderly in East Sikkim, India: A cross sectional.		Community Medicine	
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