

## Tagore Medical College and Hospital

### Central Research Laboratory

#### Research projects – 2018

S. No.	Title of the study	Name of the principal investigator	Department	Approval number of the IRC
1	<b>Molecular docking study on alkaloids of Acacia leaves and their derivatives as inhibitors of type I 3-dehydroquinate dehydratase of <i>Salmonella typhi</i>.</b>	S. Harinie, II MBBS	Microbiology	<b>TMCH/IRC/2018/001</b>
2.	<b>Study on phytochemicals of <i>Psidium guajava</i> L. and their derivatives as inhibitors of cholera toxin by molecular docking</b>	S. Jyothsna Ann Teresa, II MBBS	Microbiology	<b>TMCH/IRC/2018/002</b>
3.	<b>An <i>in-silico</i> study of phytochemicals of <i>Andrographis paniculate</i> and their derivatives as the inhibitors of NS3 helicase, NS3 protease and NS5 methyl transferase to dengue virus.</b>	S. Harinie, II MBBS	Microbiology	<b>TMCH/IRC/2018/003</b>
4.	<b>Molecular docking study on Eugenol and its derivatives from <i>Aegles marmelos</i> as inhibitors of peptide deformylase of <i>Helicobacter pylori</i>.</b>	R. E. Abhirami, II MBBS	Microbiology	<b>TMCH/IRC/2018/004</b>
5.	<b>Incidence of Aerobic and Anaerobic bacteria isolated in wound infections at a Tertiary Care teaching hospital, Kanchipuram district, Tamilnadu .</b>	M. Subhitsha, II MBBS	Microbiology	<b>TMCH/IRC/2018/005</b>
6.	<b>Family caregiver burden in cancer – A</b>	G. Selvakumar, Pre-	Psychiatry	<b>TMCH/IRC/2018/006</b>

	<b>cross sectional study of caregiver burden and quality of life among caregivers of patients with cancer.</b>	final year MBBS		
7.	<b>Significance of detection of prostatic intra-epithelial neoplasia (PIN) in trans urethral resection of prostate (TURP) specimens</b>	Ann Preethi Mohandoss, II MBBS	Pathology	<b>TMCH/IRC/2018/007</b>
8.	<b>Natural alkaloids as anti-cancer drugs through inhibition of nuclear factor erythroid 2 related factor 2 (NRF2).</b>	E. Daffina Blessline, II MBBS	Pathology	<b>TMCH/IRC/2018/008</b>
9.	<b>Molecular docking study of luteolin and its derivatives in modulating redox signal pathway to inhibit the invasion of colorectal cancer</b>	R. M. Abinayaa, II MBBS	Pathology	<b>TMCH/IRC/2018/009</b>
10.	<b>Tyrosinase related protein inhibitors from alpha-crocin and its derivatives of saffron for melanoma</b>	R. E. Abhirami, II MBBS	Pathology	<b>TMCH/IRC/2018/010</b>
11.	<b>IL-6 and TNF-<math>\alpha</math> as novel biomarkers for early prediction of cancer in obese individuals</b>	K. Gayatri, II MBBS	Pathology	<b>TMCH/IRC/2018/012</b>
12.	<b>Complex features in fibroadenoma breast – Is it significant or not?</b>	Pranav R. Nambiar, II MBBS	Pathology	<b>TMCH/IRC/2018/013</b>
13.	<b>Hematological parameters as an early diagnostic tool in Gastro-Intestinal tumors.</b>	T. K. Shiden Kumar, II MBBS	Pathology	<b>TMCH/IRC/2018/014</b>
14.	<b>A molecular docking study of curcumin and demethoxy curcumin with FLT 3 rtk.</b>	A. S. Ganga Priyanka, II MBBS	Pathology	<b>TMCH/IRC/2018/015</b>
15.	<b>Prevalence and risk factors of depression and anxiety in patients with cancer undergoing palliative care</b>	R. Aadarshna, II MBBS	Psychiatry	<b>TMCH/IRC/2018/017</b>
16.	<b>Estimation of quality of life and its</b>	S. Jyothsna Ann	Psychiatry	<b>TMCH/IRC/2018/018</b>

	<b>correlation with treatment modalities and cancer staging in patients with cancer.</b>	Teresa, II MBBS		
17.	<b>Prevalence and risk factors of deliberate self harm in patients with cancer.</b>	R. Divya, II MBBS	Psychiatry	<b>TMCH/IRC/2018/019</b>
18.	<b>Prevalence and risk factors of psychoactive substance use disorders in patients with cancer.</b>	S. Indhu, II MBBS	Psychiatry	<b>TMCH/IRC/2018/020</b>
19.	<b>Molecular docking study of capsaicin with C-Met tyrosine kinase receptor in hepatocellular carcinoma patient.</b>	M. Dharani, II MBBS	Pathology	<b>TMCH/IRC/2018/021</b>
20.	<b>Role of Extrinsic motivation in improving the task performance in young individuals</b>	E. Daffina Blessline, II MBBS	Physiology	<b>TMCH/IRC/2018/022</b>
21.	<b>Correlation of lipid profile in Iron deficiency anemia among females of reproductive age group.</b>	D. Rishabha, II MBBS	Pathology	<b>TMCH/IRC/2018/011</b>
22.	<b>Which obesity index defines inflammatory stress in obesity? – a shift to non-invasive techniques</b>	K. Gayatri, II MBBS	Biochemistry	<b>TMCH/IRC/2018/023</b>
23.	<b>Internet addiction and its association with sleep disturbances among medical undergraduates in tertiary care teaching hospital at Chennai</b>	R. Swarnalakshmi, II MBBS	Physiology	<b>TMCH/IRC/2018/024</b>
24.	<b>Awareness of occupational cancers due to radiation hazards among industrial workers.</b>	M. Subhitsha, II MBBS	Community Medicine	<b>TMCH/IRC/2018/025</b>
25.	<b>Assessing the awareness and attitude to the warning signals of cancer: A hospital based cross-sectional study</b>	A. Aishwarya, II MBBS	Community Medicine	<b>TMCH/IRC/2018/026</b>

26.	<b>Assessing the awareness of dietary risk factors for gastrointestinal cancers – A community based cross sectional study.</b>	R. Swarnalakshmi, II MBBS	Community Medicine	<b>TMCH/IRC/2018/027</b>
27.	<b>Pap Smear coverage among Health care providers and Health care receivers.</b>	M. Shree Dhevi, II MBBS	Community Medicine	<b>TMCH/IRC/2018/028</b>
28.	<b>Light epidemic in India: Knowledge, Perceptions and use of skin lightening products among college students</b>	K. Lakshmi Preetha, Pre-Final MBBS	Community Medicine	<b>TMCH/IRC/2018/029</b>
29.	<b>Smart phone usage during pregnancy and behavioural problems of children.</b>	Ann Preethi Mohandoss, II MBBS	Community Medicine	<b>TMCH/IRC/2018/030</b>
30.	<b>Self-care practices among Type II diabetics in rural area of Kancheepuram district, Tamil Nadu</b>	S. Jagadeesh, II MBBS	Community Medicine	<b>TMCH/IRC/2018/032</b>
31.	<b>Study on Body image dissatisfaction among college going girls.</b>	L. N. Abisha Tino, II MBBS	Community Medicine	<b>TMCH/IRC/2018/033</b>
32.	<b>Physiological benefits of smoking cessation among employees at tertiary health care institutions, Kanchipuram district, Tamil Nadu.</b>	M. Dharani, II MBBS	Physiology	<b>TMCH/IRC/2018/034</b>
33.	<b>Prevalence of refractive errors in school going children: a cross sectional study.</b>	M. Swetha, II MBBS	Ophthalmology	<b>TMCH/IRC/2018/035</b>
34.	<b>Association of single-nucleotide polymorphism in ADH1C, OPRM1, DRD2, ALDH2 and CYP2E1 genes with alcohol</b>	Dr. A. Umamageswari, Associate Professor	Pharmacology	<b>TMCH/IRC/2018/036</b>

	<b>dependence in Indian population.</b>			
35.	<b>Evaluation of medication instruction comprehension by diabetic patients with and without supplementary pharmaceutical pictograms.</b>	S. R. Keerthana, II MBBS	Pharmacology	<b>TMCH/IRC/2018/037</b>
36.	<b>Bax gene mutation associated among smokers susceptible for oral cancer.</b>	R. M. Abinayaa, II MBBS	Pharmacology	<b>TMCH/IRC/2018/039</b>
37.	<b>Factors influencing treatment adherence among hypertensive patients.</b>	S. Nandhini, II MBBS	Pharmacology	<b>TMCH/IRC/2018/040</b>
38.	<b>Rational use of medicines among health care professionals – A cross sectional study.</b>	Dr. A. Arvinth, Tutor	Pharmacology	<b>TMCH/IRC/2018/041</b>
39.	<b>Molecular docking study on Procyanidin derivatives as inhibitors of EGFR kinase in the treatment of oropharyngeal cancer.</b>	C. Vijay Bharath, II MBBS	Pharmacology	<b>TMCH/IRC/2018/042</b>
40.	<b>A study on occupational rhinitis among school teachers in suburban areas around Chennai.</b>	R. Vedanayagi, II MBBS	ENT	<b>TMCH/IRC/2018/043</b>
41.	<b>Molecular docking study on phytochemicals of <i>Azadirachta indica</i> and their derivatives as the inhibitors of type I 3-dehydratase of <i>Salmonella typhi</i>.</b>	A. Aishwarya, II MBBS	Microbiology	<b>TMCH/IRC/2018/045</b>

42.	<b>Evaluation of personality traits and its correlation with birth order and substance abuse.</b>	N. Geetika Vijhashini, II MBBS	Psychiatry	<b>TMCH/IRC/2018/044</b>
43.	<b>Molecular docking study of polyphenolic compounds of <i>Albizia lebbek</i> L. and their derivatives as inhibitors of transketolase of <i>Plasmodium falciparum</i>.</b>	G. Udaya, II MBBS	Microbiology	<b>TMCH/IRC/2018/046</b>
44.	<b>Screening of anti-HBs levels in HBV vaccinated medical students of a tertiary care teaching hospital to evaluate the efficacy of HBV vaccination.</b>	A. Harishmitha, II MBBS	Microbiology	<b>TMCH/IRC/2018/047</b>
45.	<b>Comparison of mean platelet volume between Type 2 diabetics and non diabetics.</b>	A. R. Andlin Abinaya, II MBBS	Pathology	<b>TMCH/IRC/2018/048</b>
46.	<b>A cross sectional survey of Phantom vibration/ringing syndrome among medical students and just passed out doctors in Tamil Nadu.</b>	S. Devitharsini, II MBBS	Physiology	<b>TMCH/IRC/2018/049</b>
47.	<b>Clinico-pathological study of women with peri and post menopausal bleeding-a risk for endometrial carcinoma</b>	A. S. Ganga Priyanka, II MBBS	Pathology	<b>TMCH/IRC/2018/050</b>
48.	<b>Evaluation of hematological parameters and risk factors associated with pulmonary tuberculosis patients.</b>	S. Indhu, II MBBS	Pathology	<b>TMCH/IRC/2018/051</b>

49.	<b>Comparison of Red Blood Cell distribution width between smokers and non-smokers.</b>	M. Kamalavaani, II MBBS	Pathology	<b>TMCH/IRC/2018/052</b>
50.	<b>Prevalence of elevated blood pressure (ACC/AHA guidelines) among students in professional colleges.</b>	S. Gopikrishna, II MBBS	General Medicine	<b>TMCH/IRC/2018/053</b>
51.	<b>Neck circumference as a predictor of Type 2 diabetes mellitus – A community based cross-sectional study.</b>	R. Aadarshna, II MBBS	Community Medicine	<b>TMCH/IRC/2018/054</b>
52.	<b>A study on the distribution of blood pressure measurements among medical students.</b>	Vikas Kumar Reddy, I MBBS	Anatomy	<b>TMCH/IRC/2018/055</b>
53	<b>Attitude Towards organ Donateion and Transplantation among Chronic kidney Disease patients on Dialysis and Family Members in Tertiary care setting, Rural Chennai</b>	B.Devi Sree Pre- final year M.B.B.S	Community Medicine	<b>TMCH/IRC/2017/048</b>
54	<b>Prevalance and Risk Factors of Deliberate self-harm case in a tertiary Care Hospital- a Prospective 6 Months Follow Up Study</b>	G.Selvakumar Pre-Final year M.B.B.S	Psychiatry	<b>TMCH/IRC/2017/049</b>
55	<b>Assesment of Quality of sleep Among Doctors in a Tertiary care Hospital in Chennai</b>	G.Selvakumar Pre-Final year M.B.B.S	Psychiatry	<b>TMCH/IRC/2017/046</b>
56	<b>Medical Professional perspective On Electro-Convulsive Therapy</b>	G.Selvakumar	psychiatry	<b>TMCH/IRC/2017/047</b>

		Pre-Final Year M.B.B.S		
57	<b>Study of Psychiatry Comorbidity in Patients Presenting with Chronic Headache A Cross Sectional Study</b>	Guru Scindia.M.V Pre-Final Year M.B.B.S	psychiatry	<b>TMCH/IRC/2017/051</b>
58	<b>Assesment of Sleep Quality &amp; Day Time Sleepness in Patients Undergoing Hemodialysis</b>	Akilesh.M Pre-Final year M.B.B.S	psychiatry	<b>TMCH/IRC/2017/050</b>
59	<b>Assesment of Sleep Quality in Patients With Osteoarthritis</b>	Anantha Vijay K Pre Final Year M.B.B.S	psychiatry	<b>TMCH/IRC/2017/052</b>
60	<b>To Compare the Safety and Efficacy of topical Besifloxacin and Moxifloxacin in Bacterial Conjunctivitis</b>	Dr. A.M.Praharsheta Assistant Professor	Pharmacology	<b>TMCH/IRC/2017/53</b>
61	<b>Effectiveness of Concept mapping as a Teaching and Learning Tool Among II M.B.B.S</b>	Dr.JamunaRani.S Associate Professor	Pathology	<b>TMCH/IRC/2018/56</b>
62	<b>Characterization of Malassezia Species in Patients with dandruff and or Seborrheic Dermatitis</b>	Mrs. Sony Paul Assistant Professor	Microbiology	<b>TMCH/IRC/2018/057</b>
63	<b>Occupational Health Hazards in quarry Works : A Study based on Exposure to air Pollution And Attributed Changes in</b>	R.Bama Reader	Physiology	<b>TMCH/IRC/2018/058</b>



	<b>Health</b>			
64	<b>Evaluation of learning by Introducing project Based Learning as a teaching – Learning Method</b>	Dr. S. Anandhalakshmi, Professor and HOD	Physiology	<b>TMCH/IRC/2018/059</b>
65	<b>Mobile Phone Usage and its perceived ill Health effects : A Cross Sectional Study In Chennai</b>	Dr. S.A. Ganesh Associate Professor	Community Medicine	<b>TMCH/IRC/2018/060</b>
66	<b>Effectiveness of Vaping as Nicotine Replacement Therapy Among Cigarettes Smokers</b>	Dr. Pradeep. R Assistant Professor	Psychiatry	<b>TMCH/IRC/2018/062</b>
67	<b>Prevalence of Sleep Disturbances Among Patients Attending Out patient Department (OPD) of Tertiary Care Hospital</b>	Dr. Pradeep. R Assistant Professor	Psychiatry	<b>TMCH/IRC/2018/063</b>
68	<b>An Explorative Study of Mammalian Target of Rapamycin m(TOR), Its up And Downstream Singnalling Molecule in the Pathophysiology of Bipolar disorders</b>	Dr.Manikandaan CJ Associate Professor & Head	Psychiatry	<b>TMCH/IRC/2018/064</b>
69	<b>Effectiveness of Focussed Group Discussion For Hospital Doctors To Enhance Consultation –Liaison Psychiatry Services</b>	Dr.Manikandaan CJ Associate Professor & Head	Psychiatry	<b>TMCH/IRC/2018/065</b>
70	<b>Prevalence of pulmonary Hypertension in Patients with Chronic Kidney Disease</b>	Dr.T.K.V. Sharavanan Prefessor and HOD	General Medicine	<b>TMCH/IRC/2018/066</b>
71	<b>A Community Based Study on the Seroprevalence of HIV Infection and Knowledge, Attitudes and Perceptions of HIV Testing Among With The population in a Tertiary Care Hospital in Kancheepuram District</b>	Dr.E.Premalatha Associate Professor	Microbiology	<b>TMCH/IRC/2018/067</b>

72	<b>A Study on the Prevalance of Acute Kidney Injury in Dengue Virus Infection Among the Population in a tertiay care Hospital in Kancheepuram District</b>	Dr.Prabakaran P.T	General Medicine	<b>TMCH/IRC/2018/068</b>
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