

Department of Biochemistry

SRMC & RI, Chennai-600116

Ongoing Projects 2014-2021

S.No	Projects	Name of the project Leader	Funding agency	Year in which started & Duration	Total Grant (Rs.in lakhs)
1	Role of Blood urea nitrogen to creatinine ratio in assessment of length of hospital stay in patients who have undergone major surgeries	Student Malugari Anish Reddy (III-MBBS student) Guide - Dr. Santhi Silambanan	Chancellor's summer research fellowships-2021) SRIHER	2021	0.10
2	Correlation between lipid accumulation products and TSH level in hypothyroidism	Student Pranathi Bollineni (I-MBBS student) Guide – Dr. Leena Chand	Chancellor's summer research fellowships-2021) SRIHER	2021	0.10
3	Evaluation of biomarkers and microRNA in the pathogenesis of proliferative and non-proliferative diabetic retinopathy	Student Ms. T. Shakthiya Guide - Dr. Leena Chand	Shri. N.P.V. Ramasamy Udayar Chancellor Research fellowship	2021	2.91
4	Effect of Yoga intervention on biomarkers among patients with Major depressive disorder	Student Ms. T. Sowmiya Guide – Dr. Santhi Silambanan	Shri. N.P.V. Ramasamy Udayar Chancellor Research fellowship and DST- SATYAM funding (co-investigator; 35.01L)	2021	2.91
5	The study of serum biomarkers and genetic markers of renal impairment in individuals with type 2 Diabetes Mellitus	Student Ms. K. Priyadarshini Guide - Dr. K. Sowmya	Shri. N.P.V. Ramasamy Udayar Chancellor Research fellowship	2021	2.91
6	A study on association of inflammatory, genetic and epigenetic markers with Kellgren Lawrence grading in post-traumatic osteoarthritis of knee	Student - Dr. Keerthy Rethinam M Guide - Dr. Santhi Silambanan	ICMR-TSS	2020	31.23

7	Serum Beta Human Chorionic Gonadotropin and Lipid Profile in Second Trimester of Pregnancy as a Predictor of subsequent Pregnancy Induced Hypertension	Student - Ms.Tanisha singh Guide - Dr. Leena Chand	Chancellor's summer research fellowships-2020) SRIHER	2020	0.10
8	Lipoprotein-Associated Phospholipase A2 - As a Biomarker & Its Clinical Significance in Cardiovascular Events	Student - Rida Allauddin Sanadi Guide - Dr. Vinod	Chancellor's summer research fellowships-2020) SRIHER	2020	0.10
9	A Study on the Psychosocial consequences on Medical Students due to quarantine during corona pandemic	Student - Ananya Agarwal Guide - Dr. Shalini	Chancellor's summer research fellowships-2020) SRIHER	2020	0.10
10	Comparison between saliva creatinine and serum creatinine in chronic disease patients	Student - Harsh Kalra Guide - Dr. A. Manikandan	ICMR STS	2020	0.20
11	Vitamin - D status in helicobacter pylori infection in gastritis patients of south urban population	Student - Tanisha Singh Guide - Dr. Leena Chand	ICMR STS	2020	0.20
12	A study of correlation between liver enzymes and non-alcoholic steato-hepatitis in patient with type 2 diabetes mellitus	Student - Amruta varshini V R Guide - Dr. Nithin Kumar	ICMR STS	2020	0.20
13	Association of ApoE and estrogen receptor (ER) polymorphism and female reproductive hormones in Alzheimer's disease	Student - Mrs.S.Suganya Guide - Dr. Ben S Ashok	Shri. N.P.V. Ramasamy Udayar Chancellor Research fellowship	2019	2.91
14	To evaluate biomarkers & micro RNA (miR 126&miR 210) in hypertensive individuals with and without heart failure	Student - Ms. A.Jasmine Chandra Guide - Dr. Santhi Silambanan	Shri. N.P.V. Ramasamy Udayar Chancellor Research fellowship	2018	2.91
15	Phenotype and genotype characteristics and their association with metabolic abnormalities in patients with polycystic ovary syndrome (PCOS)	Principal Investigator Dr. Lavanya Co- Investigator Dr. Santhi Silambanan	ICMR	2017	31.23

16	Novel biomarkers of vascular calcification osteoprotegerin & fetuin-A as markers of cardiovascular risk in chronic kidney disease	Principal Investigator - Dr. Bagavad geetha Co- Investigator - Dr. Santhi Silambanan	SRIHER-GATE	2017	0.95
17	Screening of MYH7,MYBPC3 & TNNT2 genes in Indian population with hypertrophic cardiomyopathy	Principal Investigator Dr. Leena Chand Co- Investigator Dr.Santhi Silambanan	SRIHER-GATE	2015-2016	0.90
18	Role of urinary nephrin & podocin as early markers of diabetic nephropathy & its NPHS1 mutation in patients with normoalbuminuric diabetes mellitus	Student- Mr. Kishore kondapi Guide – Dr.Santhi Silambanan	Self-Funded	2016	Self-Funded