

DEPARTMENT OF BIOCHEMISTRY

● Publication for the year 2022-2023

1. Talikoti P, Bobby Z, Hamide A. Supplementation of Water-Soluble Vitamins Reduces Hyperhomocysteinemia, Insulin Resistance, and High-Sensitivity C-reactive Protein in Prehypertension Subjects. *Cureus*. 2023 Jan;15(1).
2. Dharmaraj S, Rajaragupathy S, Denishya S. A Descriptive Study of Atherogenic Indices in Patients Admitted to a Tertiary Care Hospital. *Cureus*. 2022 Dec;14(12).
3. Krishnaveni S, Sirivelu B, Sucheta YD, Veeranna B. Association of fructosamine, glycated albumin and hba1c in prediabetes, diabetic and associated complications. *Int. J. of Health Sci.* [Internet]. 2022 Sep. 28 [cited 2024 Jul. 24];6(S7):4693-9. Available from: <https://sciencescholar.us/journal/index.php/ijhs/article/view/13038>
4. Hatim SG, Phaneendra DJ, Kumar VS, Thallapaneni S, Suchetha YB. Role of oxidative stress on malarial anaemia: Significance of oxidative stress index in patients with malarial infection. *Natl. Lab. Med.* 2022;1:4-6.

● Publication for the year 2023-2024

1. Vemuri SK, Banala RR, Nethi SK, Devraj VM, Gurava RA, Subbaiah GP. Inorganic nanorods direct neuronal differentiation of bone marrow-derived mesenchymal stem cells. *Biomedical Materials*. 2023 May 30;18(4):045020.
2. Rahman N, Khan SA, Mahapatra S, Bhaskar MV, Baba KSSS, Noorjahan M, et al. Evaluation of Serum Cysteine-rich Angiogenic Inducer 61 for Peripheral Arterial Disease in Patients with Type 2 Diabetes Mellitus. *Indian Journal of Vascular and Endovascular Surgery* [Internet]. 2023 Dec 1 [cited 2024 Jul 24];10(4):299.
3. Rahman N, Vijaya Bhaskar M, Sai Baba KSS, Khan Siraj A. Evaluation of sunshine vitamin(vitamin-d) in covid-19 patients. *ijsr* [Internet]. 2023;57-8.

Ongoing project:

1. Role of GM-CSF, IL-1 β and expression of NRF2 Gene in pathogenesis of Rheumatoid Arthritis.
2. Role of Glycated CD-59 in early diagnosis of Gestational Diabetes Mellitus

3. Evaluation of Serum SFLT-1/PIGF Ratio as an early predictor of Preeclampsia- A prospective cohort study
4. Exploring the link between Hepcidin, Cardiovascular Risk Factors, Ferritin In CKD Patients.
5. Evaluation of Proenkephalin - A Novel Biomarker for prediction of Sepsis induced AKI and its prognosis in ICU patients
6. Does Vitamin D level have an impact on the outcome in patients with Bacterial Sepsis?
7. Assessing the role of Serum Chymase as an Early predictor of Dengue Severity
8. Evaluating the role of Presepsin in Neonatal Sepsis
9. Role of YKL-40 as inflammatory marker in Type 2 Diabetes Mellitus and Hypertension
10. Evaluating the association of PCSK9 with Ox LDL in Dyslipidemia and Acute Coronary Syndrome
11. Study of Urinary Megalin as a predictive marker for Diabetic Nephropathy
12. Role of Fetuin -A as a novel biomarker for early diagnosis of Gestational Diabetes Mellitus
13. To Study correlation between Iron Profile and Thyroid Profile in adult female population attending Tertiary Care Hospital.

ICMR-STs PROJECT

1. Indian Diabetic risk score as a potential screening method for Hypothyroidism in low socio economic population of South India. A Cross Sectional Study