

Department Of Biochemistry

SRMC & RI, Chennai-600116

The List of Publications by Faculties in 2019 – 2021

2021

1. Sushmitha K P, Vinod A N, Nalini Ganesan. Relationship between serum lipid profile and higher physiological level of bilirubin in cardiovascular patients. *International journal of research in pharmaceutical sciences*. 11(4): 7391-7397, 2021.
2. Vinod A N, Leena Chandl, Preeti R Y, Harshitha S, Prahaladh R. Study of serum traditional and nontraditional biomarkers in Rheumatoid arthritis patients. *International journal of research in pharmaceutical sciences*. 11(4): 7585-7592, 2021.
3. Kishore Kondapi, Santhi Silambanan, Lakshmana Kumar, Swathy Moorthy. Does N-Carboxymethyl Lysine Section Serve as a Prognostic Biomarker of Diabetic Nephropathy? *Journal of Clinical and Diagnostic Research*. 15(2): OC42-OC47, 2021.
4. Niva W.J, Lavanya Sekar, Manikandan A, MaheshKumar K, Ganesan T, Vanishree Shriram, Santhi Silambanan, Padmavathi R. Mahamantra chanting as an effective intervention for stress reduction among nursing professionals: A randomized controlled study. *Advances in Integrative Medicine*. 8: 27–32, 2021.
5. Santhi Silambanan, Manikandan A, Kamalam R, Shalini L. Effectiveness of Delivering Key Points in Biochemistry on improvement of academic performance and attitude of first year MBBS students. *Psychology and Education*. 58(2): 5631-5641, 2021.
6. Kishore Kondapi, N. Lakshmana Kumar, Swathi Moorthy, Santhi Silambanan. A Study of Association of Urinary Nephryn with Albuminuria in Patients with Diabetic Nephropathy. *Indian Journal of Nephrology*. IP: 103.3.230.162], 2021.
7. Vinod A. N., Lahal M. A. Mock meat and its role in health- a review. *International journal of community medicine & public health*. 8(3): 1533-1537, 2021.
8. V. Venugopal, S. Geethanjali, S. Poonguzhali, R. Padmavathi, Shriram Mahadevan, Santhi Silambanan, K. Maheshkumar. Effect of Yoga on oxidative stress in type 2 diabetes mellitus- a systematic review and meta-analysis. DOI: 10.2174/1573399817666210405104335, 2021.
9. Kondapi Kishore, Santhi Silambanan, Swathy Moorthy. Diagnostic sensitivity of biomarkers in assessing the occurrence and progression of diabetic nephropathy. *European journal of molecular and clinical medicine*. 8(3): 1554-1571, 2021.
10. Vinod A N, Preeti R Y, Riya K, Ruthvik N, & Prahaladh R. Significance of Hyaluronic acid as a biomarker with seropositive and seronegative autoantibodies in rheumatoid arthritis patients. *International journal of research in pharmaceutical science*. 12(2): 1322-1329, 2021.
11. Vedavalli Subramanian, Muthukumar Santhanakrishnan, Nizar Ahmed, M Ganesh, P Kennedy Kumar, Relationship between Serum and Salivary Estimation of Glucose and TNF-? in Patients with Type-II Diabetes: A Correlative Study, *J Res Med Dent Sci*, 2020, 8 (7): 344-349.

12. Kondapi K, Silambanan S, Moorthy S, Kumar NL. A Study of the Risk Factors and Urinary Podocin as an Early Prognostic Indicator of Renal Injury in Diabetic Nephropathy. *J Assoc Physicians India*. 2021;69:11–2.
13. Vinod Babu S, Jothimalar R, Krithika B, Santhi Silambanan. Assessment of iron status and its correlation with hepcidin in obese adults – A prospective case-control study. *Int J Clin Biochem Res*. 2021;8:92–5.
14. Surana LR, Chand Leena, Ayyapasamy M, Jagadeesan AR, Neelakanta RR, Lakshmanan S. Association between Vitamin K Status and Ankle Brachial Index as a Marker of Atherosclerosis in Chronic Kidney Disease. *Ann Romanian Soc Cell Biol*. 2021;25:16640–9.
15. Silambanan S. Evaluating the best tool to assess the cognitive domain of first year MBBS students in the subject of Biochemistry. *Int J Clin Case Rep Rev*. 2021;7:01–6.
16. Sugunakar MBS, Johnson P, Silambanan S, C.H. S, Sekhar L. Relationship between Ghrelin, reactive Oxygen Species and Oxidative Stress in Hypertensives. *Asian J Pharm Technol*. 2021;130–4.
17. Leena Chand¹, Vinod Babu², Krithika Bhaskar³, Santhi Silambanan Role of Fructose in Gut Dysbiosis in Patients with Non-Alcoholic Fatty Liver Disease: Implications in Obesity- A Review [Internet]. [cited 2021 Dec 15]. Available from: <https://www.seronijihou.com/>
18. Swathy Moorthy Teena Koshy Mahesh Kumar K Santhi Silambanan. Role of inflammatory and liver function markers in assessing the prognosis of patients with COVID-19 [Internet]. [cited 2021 Dec 15]. Available from: <https://www.spandidos-publications.com/10.3892/wasj.2021.123>
19. Santhi Silambanan, Leena Chand, Swathy Moorthy. SARS-CoV2 and Immune Response- a Cognizance! [Internet]. [cited 2021 Dec 15]. Available from: <https://www.seronijihou.com/article/sars-cov2-and-immune-response-a-cognizance>

2020

1. K. Alamelu Mangai, Vijaya Srinivasan, Santhi Silambanan. Estimated protein output a novel reliable index in early prediction of renal failure. *International Journal of Clinical Biochemistry and Research*. 7(1):65-70, 2020.
2. Manu Sudhakar, Soumya J. Sasikumar, Santhi Silambanan, Duraipandy Natarajan, Ramya Ramakrishnan, A. Jayakumaran Nair, Manikantan Syamala Kiran. Chlorogenic acid promotes development of brown adipocyte-like phenotype in 3T3-L1 adipocytes. *Journal of Functional Foods*. 74:104161, 2020.
3. Ramesh V, Venkatesan V, Chellathai D, Silambanan S. Association of Serum Biomarker Levels and BDNF Gene Polymorphism with Response to Selective Serotonin Reuptake Inhibitors in Indian Patients with Major Depressive Disorder. *Neuropsychobiology*. DOI: 10.1159/000507371, 2020.
4. Kamalam Ravi, Krishnamoorthy Gunasekaran, Vijayaraghavan Rajagopalan, Santhi Silambanan. Stimulation of Apoptosis in Michigan Cancer Foundation-7 Human Breast Cancer Cell Line by Whole Plant Ethanolic Extract of *Encicostemma axillare* through Extrinsic and Intrinsic Pathway. *Asian Journal of Pharmaceutics*. 14 (3): 1-7, 2020.
5. Anin G S Queency Stylin, Vasanthi Pallinti, Santhi Silambanan. Correlation of HbA1c and Fructosamine in Type II Diabetes Mellitus. *J. Pharm. Sci. & Res*. 12(6): 821-824, 2020.
6. Mario Leesha Fernando, Krithika B., Santhi Silambanan. Galcectin 3: A novel biomarker of left ventricular remodelling in chronic heart failure. *J. Evid. Based Med. Healthc*. 7(16): 816-822, 2020.
7. Moorthy S, Koshy T, Srinivasan V, Silambanan S. Circulating Biomarkers and MicroRNAs in the Diagnosis, Prognosis and Treatment of Diabetic Cardiomyopathy-A Review. *Cardiology and Cardiovascular Medicine*. 4: 481-497, 2020.
8. T Shakthiya, Padmavathi, Sathianathan R, Mahesh Kumar K, Santhi Silambanan. Role of Biomarkers in the Evaluation of Pharmacotherapy and Complementary and Alternative Medicine in patients with Major Depressive Disorders - Review. *Advances in Nanomedicine and Nanotechnology Research*. 2(3): 189-197, 2020.
9. Jasmine Chandra, Emmanuel Bhaskar, Leena Chand, Teena Koshy, Santhi Silambanan. Circulating Biomarkers in the Diagnosis of Silent Heart Failure -Review. *Proteomics & Bioinformatics*. NLM ID: 101757996, 2020.
10. G Lakshmi, Jothi Malar R. Serum asymmetric dimethylarginine, a novel risk marker of coronary artery disease. *International Journal of Clinical Biochemistry and Research*. 7(2): 280–284, 2020
11. Kishore Kondapi, Swathi Moorthy, Lakshmana Kumar N, Santhi Silambanan. Glycated albumin as a prognostic indicator of cardiovascular events in patients with diabetic nephropathy. *European journal of molecular & clinical medicine*. 7(11): 1404-1415, 2020.
12. S. Rashmi, P. Modagan, Santhi Silambanan. FGF-21 as a bone adiposity marker in osteoporosis. *Annals of Tropical Medicine & Public Health*. 23(23): doi.org/10.36295/ASRO.2020.232371, 2020.
13. Padmavathi R, Mahesh Kumar K, Santhi Silambanan, Sathianathan R. Abstract on Role of Yoga as Complementary Therapy for Depression. E-Abstract book of International Neurology Conference (Neuro-2020) on 17th – 18th Dec. Online Conference. 4, 2020.

14. Santhi Silambanan, Dr Padmavathi R, Dr Sathianathan, Dr Mahesh Kumar K. Abstract on Role of Micronutrients as an Adjunct in the Treatment of Mental Disorders. E-Abstract book of International Neurology Conference (Neuro-2020) on 17th – 18th Dec. Online Conference. 6, 2020.

2019

1. Kamalam Ravi, Krishnamoorthy Gunasekaran, Vijayaraghavan Rajagopalan, Santhi Silambanan. Evaluation of the effect of *Enicostemma axillare* extract on migration of MCF-7 cell line. Journal of Clinical and Diagnostic Research. 13(10); BC10-BC13, 2019.
2. Vinod Narayan, Vasanthi Pallinti, Nalini Ganesan. Study of YKL-40 and traditional markers of rheumatoid arthritis. Indian Journal of Rheumatology. 14(3); 200-205, 2019.
3. Sathya Selvarajan, Jothimalar Ramalingam, Jaya Vijayaraghavan, Zachariah Bobby. Evaluation of Soluble FMS-like Tyrosine Kinase-1 in First Trimester of Pregnancy: A Cross-sectional Study. JCDR. 13(12); BC01-BC04, 2019.
4. Sathya Selvarajan, Jothimalar Ramalingam, Jaya Vijayaraghavan, Zachariah Bobby. Serum soluble FMS-like tyrosine kinase-1 in ectopic pregnancy. Journal of laboratory physicians. 11(4): 335–339, 2019.
5. Zachariah Bobby, M. R. Radhika, K. Srilatha, U. Nithin Kumar, S. Kavitha. Individual Identification and Correction of Mistakes in Statements of Biochemical Significance: An Effective Learning Process for Graduate Medical Students. Biochemistry and Molecular Biology Education. 1-5, 2019.
6. Sathya Selvarajan, Jothimalar Ramalingam, Jaya Vijayaraghavan, Zachariah Bobby. Serum Progesterone Measurement in Diagnosis of Ectopic Pregnancy. Journal of South Asian Federation of Obstetrics & Gynaecology. 11(6):353–355, 2019.
7. Nithin Kumar U, M G Sridhar, K Srilatha, Syed Habeebullah. Adiponectin levels in patients with endometrial carcinoma and abnormal uterine bleeding. International Journal of Clinical Biochemistry and Research. 6(4):509–513, 2019.
8. Sathya Selvarajan, Jaya Vijayaraghavan, Zachariah Bobby, Jothimalar Ramalingam. Micro RNAs- A Review. J. Evolution Med. Dent. Sci. 8(38): 2918-2923, 2019.