



Name: Dr. V. Vettriselvi

Degree: M.Sc., Ph.D

Designation: Associate Professor- Department of Human Genetics

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Area of Research Expertise with Projects conducted:

Role of miRNA in periocontitis
Gene polymorphisms and Complex disorders
miRNA expression in Prostate cancer

Awards:

Aspiring Research Ambassador of Sri Ramachandra University

Membership in Committees:

1. Internal Quality Assurance Cell (IQAC)
2. Health Science College Education Unit
3. Biosafety committee

Grants Obtained:

1. **Co- Principal Investigator** - The ICMR Funded project on “Influence of Clonal Hematopoiesis of Indeterminate Potential (CHIP) in patients with coronary artery disease” (Ongoing from December 2019)
2. **Co- Principal Investigator** - The ICMR Funded project on “Prenatal Exposure to Air Toxics and Adverse Birth Outcome: An Integrated Rural-Urban Mother-Child Prospective Cohort Study” (Ongoing from October 2019)

3. **Co- Principal Investigator** - The Mentor for the DBT- BioCARE project on “Urinary microRNAs as Potential Biomarkers for childhood Nephrotic Syndrome” (Ongoing from July 2019)
4. **Principal Investigator** - The DBT funded project on “Study on the role of mir-20, mir-146, mir-196 and mir-499 gene polymorphisms in prostate cancer”(Ongoing from July 2015)-Completed
5. **Principal Investigator** - The DST funded project on “Study on the role of HLA –C and KIR genes in unexplained recurrent spontaneous abortion” -Completed
6. **Co- Principal Investigator** - The ICMR-NIH Funded Collaborative study “Genetics Of Type 2 Diabetes In India: A Multicentric Population Specific Family Genetic Study” -Completed
7. **Co- Principal Investigator** - The Centre for Advance Research on Air Pollution an ICMR funded project “ICMR - CAR– “Role of Gene Environment Interactions in Modifying Associations between Exposure to Air pollution and Birth Weight” -Completed
8. **Co- Principal Investigator** - The DST funded project on IL 1 gene polymorphism in chronic periodontitis – a causal or casual association - Completed
9. **Co- Principal Investigator** - The ICMR funded project on A population Pharmacokinetic & pharmacogenetic study on capox therapy on colorectal cancer patients-Completed

List of Publications (RECENT THREE YEARS):

- Senguttuvan, N.B., Subramanian, V., Venkatesan, V. *et al.* Clonal hematopoiesis of indeterminate potential (CHIP) and cardiovascular diseases—an updated systematic review. *J Genet Eng Biotechnol* 19, 105 (2021). <https://doi.org/10.1186/s43141-021-00205-3>.
- Dhandapani MC, Venkatesan V, Pricilla C. MicroRNAs in childhood nephrotic syndrome. *Journal of Cellular Physiology*. 2021 Oct; 236 (10):7186-210. <https://doi.org/10.1002/jcp.30374>
- Damodaran M, Dandapani MC, VenkatRamanan S, Ramachandran I, Venkatesan V. Differentially expressed miR-20, miR-21, miR-100, miR-125a and miR-146a as a potential biomarker for prostate cancer. *Molecular Biology Reports*. 2021 Apr;48(4):3349-56. Doi.10.1007/s11033-021-06384-z
- Natarajan A, Bandla SS, Damodaran M, Sundaram S, Venkatesan V. Study on the SFRP4 gene polymorphism and expression in prostate cancer. *Journal of Genetics*. 2020 Dec;99(1):1-5 doi.10.1007/s12041-020-01247-1
- Asirvatham AR, Balachandran K, Jerome P, Venkatesan V, Koshy T, Mahadevan S. Clinical, biochemical and genetic characteristics of children with congenital adrenal hyperplasia due to 17 α -hydroxylase deficiency. *Journal of Pediatric Endocrinology and Metabolism*. 2020 Aug 1;33(8):1051-6. <https://doi.org/10.1515/jpem-2020-0050>
- Subramanian N, Ramanathan S, Paul SF, Venkatesan V, Koshy T. A case-control association of RANTES (-28C> G) and CCR5-Delta32 polymorphisms with Parkinson's disease in Indians. *Neuroscience Letters*. 2020 Nov 20;739:135404. <https://doi.org/10.1016/j.neulet.2020.135404>
- Ramesh V, Venkatesan V, Chellathai D, Silamban 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*. 2021;80(3):201-13. <https://doi.org/10.1159/000507371>

- Dandapani MC, Venkatesan V, Perumal V. Gene-gene interactions between podocyte genes and multi-drug resistance gene in childhood nephrotic syndrome. *Earth Journal*. 2020
- Arunachalam RK, Koshy T, Venkatesan V, Dawson GP, Franklin Durairaj Paul S, George P. Mutation Analysis Using Multiplex Ligation-Dependent Probe Amplification in Consanguineous Families in South India with a Child with Profound Hearing Impairment. *Laboratory medicine*. 2020 Jan 2;51(1):56-65. <https://doi.org/10.1093/labmed/lmz027>
- Lavu V, Vettriselvi V, Priyanka V, Suresh R, Balaji SK. Methylation Status of Promoter Region of Tumor Necrosis Factor Alpha Gene in Subjects with Healthy Gingiva and Chronic Periodontitis—A Pilot Study. *Biomedical and Pharmacology Journal*. 2019 Jun 25;12(2):639-47. DOI : <https://dx.doi.org/10.13005/bpj/1684>
- Venkatesan V, Lopez-Alvarenga JC, Koshy T, Ravichandran U, Sharma S, Lodha S, Ponnala AR, Sharma KK, Shaik MV, Resendez RG, Ramu D. 1717-P: Burden of Type 2 Diabetes and Its Genetic Determinants in Indian Populations: Findings from the INDIGENIUS Consortium. 2019 *Diabetes* 68. <https://doi.org/10.2337/db19-1717-P>
- Koshy T, Lopez-Alvarenga JC, Venkatesan V, Ravichandran U, Sharma S, Lodha S, Ponnala AR, Sharma KK, Shaik MV, Resendez RG, Ramu D. 1639-P: Effect of Educational Status on Fasting Glucose and HbA1c Concentrations Independent of Income and Population Differences in Indian Populations. 2019 *Diabetes* 68. <https://doi.org/10.2337/db19-1639-P>

- Venugopal V, Krishnamoorthy M, Venkatesan V, Jaganathan V, Shanmugam R, Kanagaraj K, Paul SF. Association between occupational heat stress and DNA damage in lymphocytes of workers exposed to hot working environments in a steel industry in Southern India. *Temperature*. 2019 Oct 2;6(4):346-59. <https://doi.org/10.1080/23328940.2019.1632144>
- Jemimah Devanandan H, Venkatesan V, Scott JX, Magatha LS, Durairaj Paul SF, Koshy T. MicroRNA 146a polymorphisms and expression in Indian children with acute lymphoblastic leukemia. *Laboratory medicine*. 2019 Jul 16;50(3):249-53. <https://doi.org/10.1093/labmed/lmy074>

Professional IDs/Weblinks:

Google Scholar : <https://scholar.google.com/citations?user=3GD9Qd8AAAAJ&hl=en>

Orchid ID : <https://orcid.org/0000-0003-2827-8680>

Research Gate : https://www.researchgate.net/profile/Venkatesan_Vettriselvi