DR. USHA SUBBIAH

1. Sivakumar K, Sidhic N, **Subbiah U**, Mookkandi S. Characterization of pathogenic missense mutations in nuclear encoded mitochondrial dynamin -1 like protein. Mutat Res - Fundamental and Molecular Mechanisms of Mutagenesis. 2026 Feb 19;832:111928. Scopus, **IF:2.2** doi: 10.1016/j.mrfmmm.2026.111928. PMID: 41785731. https://doi.org/10.1016/j.mrfmmm.2026.111928
2. Sivakumar, K., Sidhic, N., Jenisha, **S. Usha** Subbiah. Genetic association of ABCA1 gene polymorphism (rs1800977 & rs2230806) and susceptibility to type 2 diabetes mellitus in South Indian cohort. Egypt J Med Hum Genet 27, 15 (2026), Scopus, **IF:1.3**. https://doi.org/10.5483/bmbrep.2005.38.2.198
3. **Usha Subbiah,** Kaniha Sivakumar, Nihala Sidhic, Athira Ajith, Challa Raji Lalasa, Bathala Sai Dharani, Harini Venkata Subbiah, Jeyanthi Rebecca, Anitha Balaji, Glutathione peroxidase 4 gene polymorphism and its association with periodontitis and type 2 diabetes mellitus in south Indian population, Gene Reports, Volume 42, 2026, 102421, ISSN 2452-0144. Scopus, **IF:1** https://doi.org/10.1016/j.genrep.2025.102421
4. **Subbiah, Usha**, Athira Ajith, Nihala Sidhic, Kaniha Sivakumar, Shaik Bibijanu, and Hakeem Arishiya., Human transferrin receptor gene polymorphism and its association with periodontitis and type 2 diabetes mellitus in south Indian population Gene Reports (2025): 102161. Scopus, **IF:1** https://doi.org/10.1016/j.genrep.2025.102161
5. **Subbiah, Usha**, and Kaniha Sivakumar Genetic association of plasminogen activator inhibitor-1 gene polymorphisms (rs2227631 and rs6092) with susceptibility to oral premalignant disorders in a South Indian cohort Oral and Maxillofacial Surgery 29, no. 1 (2025): 52.**IF-1.8** https://doi.org/10.1007/s10006-025-01350-6
6. **Subbiah U**, Sidhic N. Single nucleotide polymorphism analysis of 3′ UTR rs713041 of Glutathione peroxidase 4 association with susceptibility to oral premalignant disorders. Oral and Maxillofacial Surgery. 2025 Apr 21;29(1):89. Scopus, **IF. 1.8** https://doi.org/10.1007/s10006-025-01380-0

7. **Subbiah U**, Sivakumar K. Adenosine Triphosphate-Binding Cassette Transporter A1 gene polymorphism (rs1800977 and rs2230806) analysis in Oral Premalignant Disorder of South Indian Cohort. Asian Pacific Journal of Cancer Prevention: APJCP. 2025;26(3):1009.Scopus, **IF. 2.5** https://doi.org/10.31557/APJCP.2025.26.3.1009
8. Subramani K, Decker B, Chaudhry K, **Subbiah U**, Mota EG. Evaluation of Remineralization of White Spot Lesions with Quercetin Nanoparticles: An in vitro Study. Journal of Clinical and Experimental Dentistry. 2025 Feb 1;17(2):e119.Scopus, **IF. 1.5** https://doi.org/10.4317/jced.62221
9. Sidhic, N., Sivakumar, K., Ajith, A.,Subb**iah, U**., Dharani, B. S., Bibijanu, S., & Arishiya, H. (2025). Analysis of genetic variants of Alox12 (rs9904779) gene in periodontitis and type 2 diabetes mellitus. Gene Reports, 102236.Scopus, **IF:0.9** https://doi.org/10.1016/j.genrep.2025.102236
10. Sidhic, Nihala; **Subbiah Usha** Computational Investigation of Non-Synonymous Single Nucleotide Polymorphism in the Human CACNA1C Gene 2025, Current Pharmacogenomics and Personalized Medicine. Scopus**, IF: 0.2** https://doi.org/10.2174/0118756921355525250311040459
11. Sivakumar K, Sidhic N, **Subbiah U**. In Silico Prediction of Non-synonymous SNPs in the Human CALCR Gene. Current Pharmacogenomics and Personalized Medicine. 2025 Jan;22(1):E18756921355047. Scopus**, IF: 0.2** https://doi.org/10.2174/0118756921355047250118115852
12. Sidhic, Nihala, **Subbiah, Usha** Investigation of genetic variants of AloX12 (rs9904779) gene in dental caries, 22, 2025 Current Pharmacogenomics and Personalized Medicine. Scopus**, IF: 0.2** https://doi.org/10.2174/0118756921356662241210081341
13. Kaniha Sivakumar and **Usha Subbiah** GSTP polymorphism of GSTP1 (rs169 and its potential association with dental caries in the tamil population. Current Pharmacogenomics and Personalized medicine, Scopus**, IF: 0.2** http://dx.doi.org/10.2174/0118756921356621241125113946
14. Athira Ajith, Usha Subbiah (2025) Phytochemical and Biological Characterization of Phyllanthus emblica Seed Extract. International Journal of Innovative Science and Research Technology, 10(10), 3354-3364.web of science, https://doi.org/10.38124/ijisrt/25oct623

15. Sidhic N, **Subbiah U.** Investigation of Genetic Variants of Alox12 (rs9904779) Gene in Dental Caries. Current Pharmacogenomics and Personalized Medicine. 2025 Jan;22(1):E18756921356662. Scopus**,** **IF: 0.2** https://doi.org/10.2174/0118756921356662241210081341

16. Sivakumar K, **Subbiah U**. Computational analysis of non-synonymous SNPs in the human LCN2 gene. Egyptian Journal of Medical Human Genetics. 2024 Aug 20;25(1):94. Scopus, **IF:1.1**, https://doi.org/10.1186/s43042-024-00565-8

17. Sidhic N, **Subbiah U**. In Silico Analysis of Non-Synonymous Snps in the Human WWOX Gene. Current Pharmacogenomics and Personalized Medicine. 2024 Apr 1;21(1):38-50. Scopus**,** **IF: 0.2**, https://www.ovid.com/jnls/iphr/fulltext/10.4103/ijp.ijp_533_23

18. Shiv R, Farjana N, **Subbiah U**, Ajith A, Balaji A, Mohanasatheesh S. Characterization of missense nonsynonymous single-nucleotide polymorphism of runt-related transcription factor-2 gene–An in silico approach. Indian Journal of Pharmacology. 2024 May 1;56(3):198-205. Scopus, **IF: 1.5**,https://doi.org/10.7759/cureus.49814

19. Biosynthesis of Copper Oxide Nano Particles from Hibiscus Rosa Sinensis and its Efficacy against Pseudomonas Aeruginosa, Nanotechnology Perceptions - 2023 View of Biosynthesis of Copper Oxide Nano Particles from Hibiscus Rosa Sinensis and its Efficacy against Pseudomonas Aeruginosa

20. Venkata Subbiah H, Ramesh Babu P, **Subbiah U**. The Role of β-Defensin 1 Against Porphyromonas gingivalis Lipopolysaccharide-Mediated Inflammation in the THP-1 Cell Line. Cureus. 2023 Dec 21;15(12):e50880. doi: 10.7759/cureus.50880. PMID: 38249288; Pubmed, **IF:1.3,** https://doi.org/10.1186/s43042-024-00565-8

21. Venkata Subbiah H, Ramesh Babu P, **Subbiah U**. The Role of β-Defensin 1 Against Porphyromonas gingivalis Lipopolysaccharide-Mediated Inflammation in the THP-1 Cell Line. Cureus. 2023 Dec 21;15(12):e50880. Pubmed, **IF:1.3,** doi: 10.7759/cureus.50880.. https://doi.org/10.7759/cureus.50880

22. **Subbiah U**, Ajith A, Subbiah HV, Elango S. Effect of Ginkgo biloba and Anacyclus pyrethrum against Streptococcus species isolated from Dental caries and Periodontitis. Research Journal of Pharmacy and Technology. 2023 Oct 1;16(10):4799-804. Scopus,**IF:0.26**, https://doi.org/10.52711/0974-360X.2023.00778

23. **Usha Subbiah**, Angeline Julius, Combatting antibiotic resistance in chronic periodontitis by dissemination of plasmid in enterococcus faecalis - 2023 Combatting antibiotic resistance in chronic periodontitis by dissemination of plasmid in enterococcus faecalis

24. Subbiah U, Ajith A, Subbiah HV. Prediction of Deleterious Non-Synonymous Single Nucleotide Polymorphism of Cathelicidin. Current Pharmacogenomics and Personalized Medicine. 2023 Aug 1;20(2):92-105.Scopus**, IF: 0.2**, https://doi.org/10.2174/1875692120666230823114511

25. Ajith A, **Subbiah U**. In silico screening of non-synonymous SNPs in human TUFT1 gene. Journal of Genetic Engineering and Biotechnology. 2023 Dec 1;21(1):95. Scopus, Pubmed. **IF: 3.8** https://doi.org/10.1186/s43141-023-00551-4

26. **Subbiah U**, Ajith A, Venkata Subbiah H. Molecular docking and dynamics simulation of Orthosiphon stamineus against SGLT1 and SGLT2. Journal of Biomolecular Structure and Dynamics. 2023 Dec 29;41(23):13663-78. Scopus,Pubmed, **IF: 2.4,** https://doi.org/10.1080/07391102.2023.2193984

27. Venugopal P, Logu K, Balakrishnan K, **Subbaih U**, Damal Kandadai S, George M. Differential Expression of *Caveolin-3, Suppression of Tumorigenicity 2*, and *Growth Differentiation Factor-15* Genes and Their Association with Acute Myocardial Infarction: A Cross-Sectional Study in a Multi-Specialty Hospital in Tamil Nadu. Genet Test Mol Biomarkers. 2023 Mar;27(3):109-119.Scopus, **IF:1.21** doi: 10.1089/gtmb.2022.0162. PMID: 36989524. https://doi.org/10.1089/gtmb.2022.0162

28. Subbiah HV, Babu PR, **Subbiah U** Determination of deleterious single nucleotide polymorphisms of human lactoferrin gene, 2022, 17(5):27-37, 2022, Research Journal of Biotechnology, 2022. Scopus, Sci, **IF: 0.45,** https://doi.org/10.25303/1705rjbt27037

29. Subbiah HV, Babu PR **Subbiah U**. Determination of deleterious single-nucleotide polymorphisms of human LYZ C gene: an in silico study. Journal of Genetic Engineering and Biotechnology. 2022 Dec 1;20(1):92. Scopus, Pubmed. **IF: 3.8**, https://doi.org/10.1186/s43141-022-00383-8

30. Subbiah HV, Babu PR, **Subbiah U**. In silico targeting of red complex bacteria virulence factors of periodontitis with β-defensin 1. Scopus, Pubmed. **IF: 3.8**, Journal of Genetic Engineering and Biotechnology. 2022 Dec 1;20(1):59.

https://doi.org/10.1186/s43141-022-00342-3

31. Subbiah HV, **Subbiah U**, Ajith A. Association of β-defensin 1 gene Polymorphism and dental caries susceptibility in Tamil Ethnicity. Research Journal of Pharmacy and Technology. 2021 Sep 1;14(9):4731-5. Scopus, **IF:1.2,** https://doi.org/10.52711/0974-360X.2021.00823

32. **Usha Subbiah**, Harini Venkata Subbiah, Sumathi K, Shenbaga Lalitha S, Saliva As A Biomarker Tool, Journal of Angiotherapy, 2021,5:2,Scopus. https://doi.org/10.25163/angiotherapy.52221522618181221

33. Harini Venkata Subbiah, Polani Ramesh Babu, **Usha Subbiah**, Daniel Rajendran T, Vinod Kumar P, 2021, Immune Dysfunction Linking Periodontitis And Diabetes, Journal of Angiotherapy, 5;2 Scopus, https://doi.org/10.25163/angiotherapy.52221532819191221

34. Athira Ajith, **Usha Subbiah**, Deepika. P, Minthami Sharon P. Signaling Pathway Genetic Variations In Apical Periodontitis, Journal of Angiotherapy,2021, Scopus https://doi.org/10.25163/angiotherapy.52214222315151221

35. **Subbiah Usha**, Roy Debarshi, Elango Sonaa,. An Insight of DNA Repair Gene Polymorphism In Oral Premalignant Disorders Associated With Habitual Risk Factors. European Journal of Molecular & Clinical Medicine. 2020 Dec14;7(5):1340-54.Scopus,https://www.researchgate.net/publication/378941400_An_Insight_Of_DNARepair_Gene_Polymorphism_In_Oral_Premalignant_Disorders_Associated_With_Habitual_Risk_Factors

36. **Subbiah U**, Elayaperumal G, Elango S, Ramanathan A, Gita B, Subramani K. Effect of Chitosan, Chitosan Nanoparticle, Anacyclus pyrethrumand Cyperus rotundusin Combating Plasmid Mediated Resistance in Periodontitis. Anti-Infective Agents. 2020 Mar 1;18(1):43-53. Scopus, **IF:0.77**. https://doi.org/10.2174/2211352517666190221150743

37. Harini Venkata Subbiah, Polani Ramesh Babu, and **Usha Subbiah**. Single Nucleotide Polymorphisms of Salivary Antimicrobial Peptides in Periodontitis European Journal of Molecular & Clinical Medicine, 2020, Volume 7, Issue 5, Pages 1354-1363. Scopus, Single Nucleotide Polymorphisms of Salivary Antimicrobial Peptides in Periodontitis | Semantic Scholar

38. Venkata Subbiah H, Ramesh Babu P, **Subbiah U**. In silico analysis of non-

synonymous single nucleotide polymorphisms of human DEFB1 gene. Egyptian Journal of Medical Human Genetics. 2020 Nov 29;21(1):66.Scopus, **IF: 0.59**, https://doi.org/10.1186/s43042-020-00110-3

39. Harini Venkata Subbiah, Usha Subbiah, Athira Ajith, and Ramesh Babu Polani. "Role of Neutrophils in Periodontitis: A Review." Indian Journal of Public Health Research & Development 10, no. 12 (2019): 956-961. https://www.stomatology.cn/EN/Y2024/V44/I4/292

40. Harini Venkata Subbiah, **Usha Subbiah**, Athira Ajith, Ramesh Babu Polani. Single Nucleotide Polymorphism of Salivary Antimicrobial Peptides in Periodontitis. Indian Journal of Public Health Research and Development, Nov 2019, Scopus, **IF: 0.26**. https://web.archive.org/web/20210815130446/https://ejmcm.com/article_4120_6db919b5a7370ac0f4b10505c82bfe7b.pdf

41. **Subbiah, Usha**, Harini Venkata Subbiah, Athira Ajith, and Sonaa Elango. "Salivary Secretory Proteins-Unveiling Genetic Polymorphism and Diseases." Indian Journal of Public Health Research & Development 10, no. 11 (2019). Scopus, **IF: 0.26** https://doi.org/10.5958/0976-5506.2019.04050.6

42. Ajith, Athira, **Usha Subbiah**, and Harini Venkata Subbiah. "Role of Genetics in Dentistry: A Review." Indian Journal of Public Health Research & Development 10, no. 12 (2019): 965-969, Scopus, **IF: 0.26,** https://doi.org/10.37506/v10/i12/2019/ijphrd/192248

43. Athira Ajith, **Usha Subbiah**, Harini Venkata Subbiah. Genetic Analysis In Pain Associated Deep Caries. Indian Journal of Public Health Research and Development, Nov 2019,Scopus, **IF: 0.26,** https://doi.org/10.37506/ijphrd.v11i3.1232

44. S. Karthika Nagarajan, **Usha Subbiah**, Human Papilloma Virus Infection Status and Oral Cancer incidence in South India – lack of evidence and its current impacts. Indian Journal of Public Health Research and Development, 2019 Scopus, **IF: 0.26,** https://doi.org/10.5958/0976-5506.2019.04052.x

45. Angeline Julius, **Usha Subbiah** , Sonaa Elango .Designing Universal Primer For The Identification Of Erythromycin And Tetracycline Resistance Genes In Oral Streptococci. Indian Journal of Public Health Research and Development, Nov 2019, Scopus, **IF: 0.26** https://doi.org/10.5958/0976-5506.2019.04054.3

46. **Usha S**, Gokulalakshmi E, Sonaa E, Arvind R, Bagavad G, Karthikeyan S, Effect of Chitosan, Chitosan Nanoparticle, Anacyclus pyrethrum and Cyperus rotundus in combating Plasmid Mediated Resistance in Periodontitis. Anti-Infective Agents, 2019, 17, Scopus, **IF:0.77**. https://doi.org/10.2174/2211352517666190221150743

47. Elango S, Balcos MC, Subbiah U, Jeong J,Wanwyk R, Enhanced Oxidistability Of Lipoproteins In Radiation Treated Oral Cancer Cases, Interfered By Antioxidant Selenium. Journal of Interdisciplinary Biosciences. (2018) 2(2): 1-11. (International Scientific Indexing) https://doi.org/10.29336/JIBS/171201/180203

48. Sonaa Elango, Shila Samuel, Zenith Khashim, **Usha Subbiah**, Selenium influences trace elements homeostasis, cancer biomarkers in squamous cell carcinoma patients administered with cancerocidal radiotherapy. Asia Pacific Journal of Cancer Prevention(2018) 19: 253-260.(Pubmed, Scopus Indexing, **IF: 2.52,** https://doi.org/10.22034/APJCP.2018.19.7.1785

49. Usha Subbiah, Gokulalakshmi Elayaperumal and Sonaa Elango, Plasmid mediated antibiotic resistance in E. coli isolated from chronic periodontitis. European Journal of Biomedical and Pharmaceutical sciences (2017) 4(6) (Index Copernicus) https://www.semanticscholar.org/paper/PLASMID-MEDIATED-ANTIBIOTIC-RESISTANCE-IN-E.-COLI-Subbiah-Elayaperumal/b96ef40266a9a50b8967885292659969d6ce1649

50. Usha Subbiah, Gokulalakshmi Elayaperumal, Arvind Ramanathan & Sonaa Elango, Horizontal gene transfer in plasmid: Are we close to eliminating periodontal pathogens. International Journal of Bio-Technology and Research (2017) 7(3): 17-28. (Scopus Indexed). https://doi.org/10.24247/IJBTRJUN20173

51. Sonaa Elango, **Usha Subbiah**, Radiosensitization effect of Selenium on the "Warburg effect", Metabolism of hypoxic Oral Squamous cell Carcinoma. American Journal of Pharma Tech Research; 2016; 6(5): 2249-3387(Google Scholar, Cite factor), **IF: 0.98**.

52. Sonaa Elango, Zenith Kasim, Shila Samuel, **Usha Subbiah**, Marie Carmel Balcos, Modulation of macro molecular damages and membrane structural integrity by Selenium in Radiation treated human stage (III) oral cancer cases; International Journal of Current Research in Medical Sciences (2016). 2(9): 8-21. Google Scholar

53. Sonaa E, Ja In J, **Usha S**. The differential behaviour of Selenium analogs on anticancer drug induced apoptotic lymphocytes of human peripheral blood. Asia

Pacific Journal of Cancer Prevention; 2016;17 (5), 2527-2533. Pubmed, Scopus Indexing, **IF: 2.52,** https://doi.org/10.7314/APJCP.2016.17.5.2527

54. Sonaa E, **Usha S**. Influence of selenium on radiogenic collagen destruction and the degree of collagen tissue maturation in stage III oral squamous cell carcinoma patients undergoing therapeutic irradiation. Journal of Cancer Research and Therapeutics; 2015; Jan-Mar; 11(1):181-190. Scopus Indexed, **IF: 1.8.** https://doi.org/10.4103/0973-1482.143328

55. Sonaa E, **Usha S**, Ja In J. Interaction of Mineral with plant: An ex vivo study of Selenium, Genistein on the morphological and nuclear changes in anticancer drug induced apoptotic human peripheral blood lymphocytes. Biofactors;2013;May-June;39(3):279-93. (Pubmed, Scopus Indexing, **IF:5**

56. Johnson Irudayam Maria; Kesavan Chandrasekhar; **Usha Subbiah**; Malathi Raghunathan. Analysis of group I intron splicing in the presence of naturally occurring methylxanthines. Clinica Chimica Acta; International journal of clinical chemistry 2009;400(1-2):74-76. Pubmed, Scopus Indexing, **IF: 2.9**, https://doi.org/10.1016/j.cca.2008.10.006

57. **Usha Subbiah**, and Malathi Raghunathan. Chemoprotective action of Resveratrol and Genistein from cisplatin and mitomycin C induced apoptosis in human peripheral blood lymphocytes. Journal of Biomolecular Structure and Dynamics2008; 25(4): 425-434. (Pubmed, Scopus Indexing, **IF: 2.4**, https://doi.org/10.1080/07391102.2008.10507191

58. **S. Usha**, I.Maria Johnson, R.Malathi, Protective action of theophylline on cisplatin and mitomycin C induced apoptosis in human peripheral blood lymphocytes, Journal of Biomolecular Structure and Dynamics 2007; 24(6): 683. Pubmed, Scopus Indexing, **IF: 2.4**, Protective action of theophylline on cisplatin and mitomycin C induced apoptosis in human peripheral blood lymphocytes

59. **Usha Subbiah**, Maria Johnson Irudayam, Malathi Raghunathan. Possible Inhibition of Group I Intron RNA by Resveratrol and Genistein. Journal of Biomolecular Structure and Dynamics 2006; 24:1-8.Pubmed, Scopus Indexing, **IF: 2.4**, https://doi.org/10.1080/07391102.2006.10507095

60. **Subbiah Usha**, Irudayam Maria Johnson, Raghunathan Malathi. Modulation of DNA intercalation by Resveratrol and Genistein. Molecular and Cellular biology, Scopus, web of science, **IF: 2.7**, https://doi.org/10.1007/s11010-005-9013-6

61. **Usha S**, Maria Johnson I, Malathi R. Interaction of resveratrol and genistein with nucleic acids. Journal of Biochemistry and Molecular Biology 2005; 38: 198-205. (Pubmed, Scopus Indexing). https://doi.org/10.5483/bmbrep.2005.38.2.198