

## DR. SUDHAN

1. Sivakumar K, Sidhic N, Subbiah U, **Mookkandi S**. Characterization of pathogenic missense mutations in nuclear encoded mitochondrial dynamin -1 like protein. *Mutat Res.* 2026 Feb 19;832:111928. doi: 10.1016/j.mrfmmm.2026.111928. Epub headof print. PMID: 41785731. [IF: 2.5] <https://doi.org/10.1016/j.mrfmmm.2026.111928>
2. **Sudhan M**, Janakiraman V, Ahmad SF, Attia SM, Subramanian R, Devi D, Ahmed SS. A comprehensive insight from molecular docking and dynamics with clinical investigation on the impact of direct oral anticoagulants on atheroprotective protein in atrial fibrillation. *BMC Pharmacology and Toxicology.* 2024 Aug 22;25(1):56. [IF: 2.8] <https://doi.org/10.1186/s40360-024-00785-z>
3. Janakiraman V, **Sudhan M**, Ahmad SF, Attia SM, Emran TB, Ahmed SS. Molecular Docking, Quantum Mechanics and Molecular Dynamics Simulation of Anti-CAD Drugs Against High-Risk Xanthine Dehydrogenase Variants Associated with Oxidative Stress Pathways. *Journal of Computational Biophysics and Chemistry.* 2024 Aug 1:1-20. [IF: 2.0] <https://doi.org/10.1142/S2737416524500315>
4. **Sudhan**, Janakiraman, Sheikh F. Ahmad, Abubakar Wani, and Shiek SSJ Ahmed. "Phytochemicals from Piper betle (L.) as Putative Modulators of a Novel Network-Derived Drug Target for Coronary Artery Disease: An In Silico Study." *Processes* 11, no. 11 (2023): 3064. [IF: 2.8] <https://doi.org/10.3390/pr11113064>
5. **M., Sudhan**, Janakiraman V., Sheikh F. Ahmad, Sabry M. Attia, Talha Bin Emran, Rajesh B. Patil, and Shiek S. S. J. Ahmed. 2023. "Structural Characteristics of PON1 with Leu55Met and Gln192Arg Variants Influencing Oxidative-Stress-Related Diseases: An Integrated Molecular Modeling and Dynamics Study" *Medicina* 59, no. 12: 2060. [IF: 2.4] <https://doi.org/10.3390/medicina59122060>
6. **Sudhan, M.**, V. Janakiraman, Rajesh Patil, Atif Abdulwahab A. Oyouni, Ahmad Hasan Mufti, and Shiek SSJ Ahmed. "Asn215Ser, Ala143Thr, and Arg112Cys variants in  $\alpha$ -galactosidase A protein confer stability loss in Fabry's disease." *Journal of Biomolecular Structure and Dynamics* 41, no. 19 (2023): 9840-9849. [IF: 2.7] <https://doi.org/10.1080/07391102.2022.2148001>
7. Janakiraman, V., **M. Sudhan**, Khalaf F. Alsharif, Ibrahim F. Halawani, Shiek SSJ

- Ahmed, and Shankargouda Patil. "Comparative assessment of anti-cancer drugs against NUDT15 variants to prevent leucopenia side effect in leukemia patients." *Journal of Genetic Engineering and Biotechnology* 21, no. 1 (2023): 82. [IF: 3.6] <https://doi.org/10.1186/s43141-023-00538-1>
8. Janakiraman, V., **M. Sudhan**, Shankargouda Patil, Khalid J. Alzahrani, Fuad M. Alzahrani, Ibrahim F. Halawani, and Shiek SSJ Ahmed. "Rheumatoid arthritis treatment with zoledronic acid, a potential inhibitor of GWAS-derived pharmacogenetics STAT3 and IL2 targets." *Gene* 866 (2023): 147338. [IF: 2.8] <https://doi.org/10.1016/j.gene.2023.147338>
  9. Janakiraman V1, **Sudhan M1**, Abubakar Wani2, Sheikh F. Ahmad3, Ahmed Nadeem3, Ashutosh Sharma4, Shiek S. S. J. Ahmed1. "Pharmacoscreening, molecular dynamics, and quantum mechanics of inerin from Panax ginseng: a crucial molecule inhibiting exosomal protein target associated with coronary artery disease progression." *PeerJ* 11 (2023), e16481. [IF: 2.7] <https://doi.org/10.7717/peerj.16481>
  10. Janakiraman, V., **M. Sudhan**, Khalid J. Alzahrani, Saleh Alshammeri, Shiek SSJ Ahmed, and Shankargouda Patil. "Dynamics of TUBB protein with five majorly occurring natural variants: a risk of cortical dysplasia." *Journal of Molecular Modeling* 29, no. 4 (2023): 100. [IF: 2.1] <https://doi.org/10.1007/s00894-023-05506-7>
  11. Janakiraman V, **Sudhan M**, Sheikh F Ahmad, Haneen A. Al-Mazroua, and Shiek SSJ Ahmed. Detrimental Effect of T261I and R287W SMAD3 Variants on Early Osteoarthritis: A Potential Anti-Inflammatory Molecule for Personalized Treatment. *Advanced theory and Simulation* (First published online: 11 January 2025) [IF: 2.9] <https://doi.org/10.1002/adts.202400740>