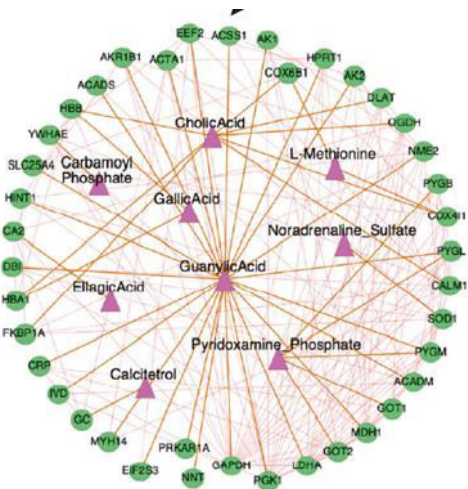


Mechanistic investigations on the efficacy and mode of action of **Ashwagandha** and **Yogaraj Guggulu**, using a hybrid Proteomics-Cheminformatics-Network medicine approach for the treatment of **Osteoarthritis**

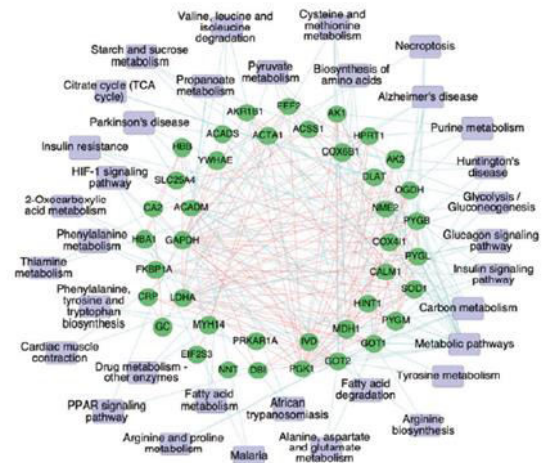


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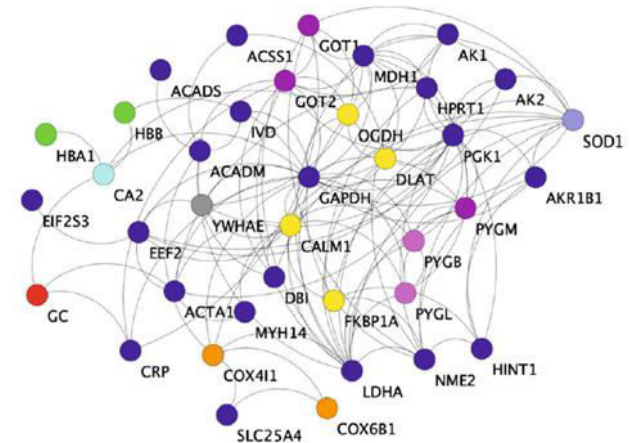
- Objectives:**
1. We propose to employ a comprehensive analytical strategy involving proteomics, cheminformatics, network biology tools and in-vivo assays, to deduce the regulatory actions of Ayurvedic formulations.
 2. Scrutiny of proteins obtained from network for re-purposing by identifying the binding sites among the protein-metabolite and protein-‘similar drugs’ using molecular docking and Molecular Dynamics Simulations.



Metabolite-Target Network



Target-Pathway Network



Synergy Mapping