



**Figure 7.** From Metgraph to generate Node distance distribution and Transition matrix and feature extraction. Starting with the metagraph, we calculate both global and local topological features. These calculations allow us to derive the NDD and transition matrices. The results of these computations are then utilized to generate the NDD matrix, TM1 matrix, TM2 matrix, and their combinations: NDD, NDD+TM1, and NDD+TM2 matrices. Ultimately, we obtain all these matrices as modifications of the original metagraph. Finally, we perform feature extraction on the metagraph and all its modified versions.