



Figure 2. The global pooling architecture (left) and the hierarchical pooling architecture (right). These architectures are applied to all the baselines and SAGPool for a fair comparison. In this paper, the architecture on the left side is referred to as $POOL_g$ and the architecture on the right side is referred to as $POOL_h$ with the $POOL$ method (e.g. $SAGPool_g$, $gPool_h$).