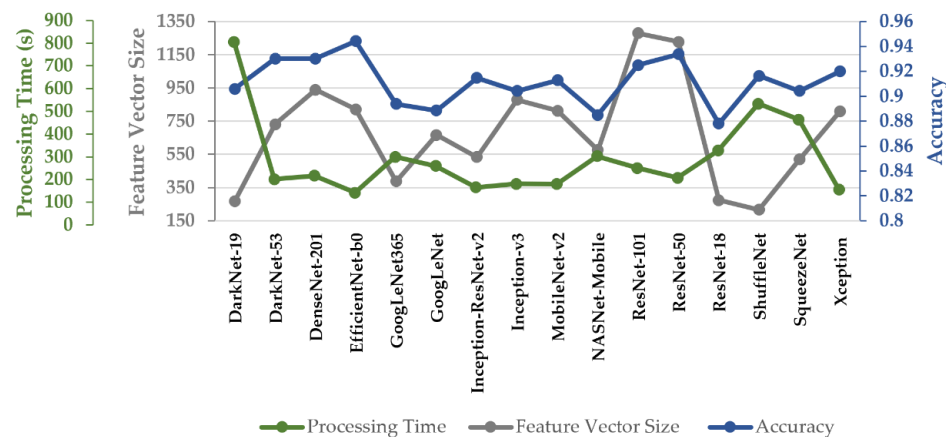
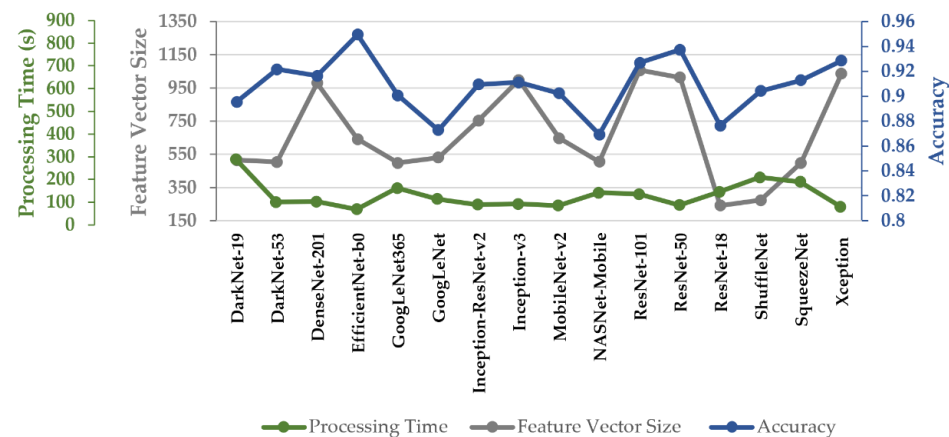


Supplementary Materials:

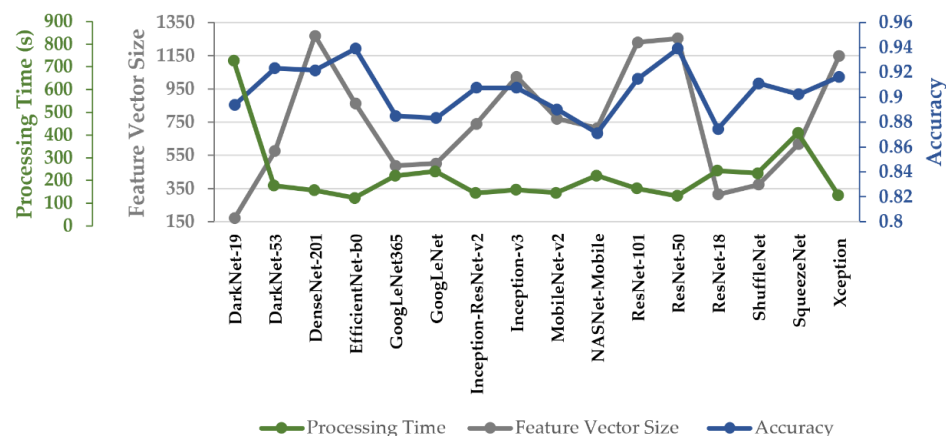
17



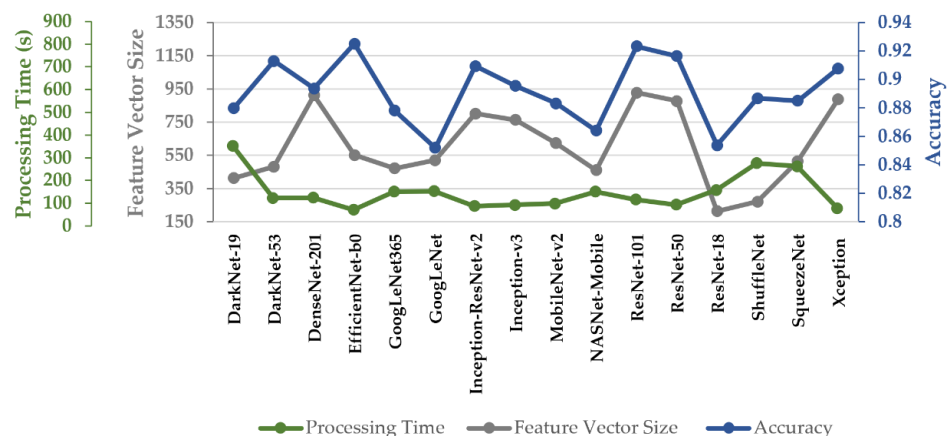
(a)



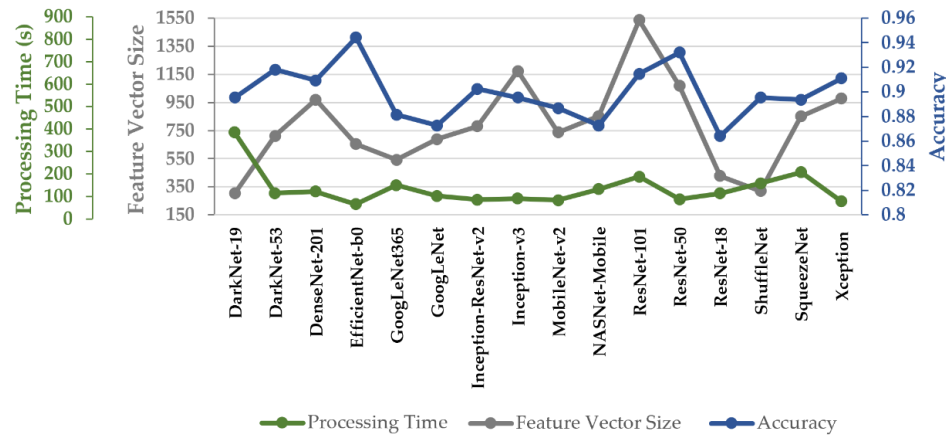
(b)



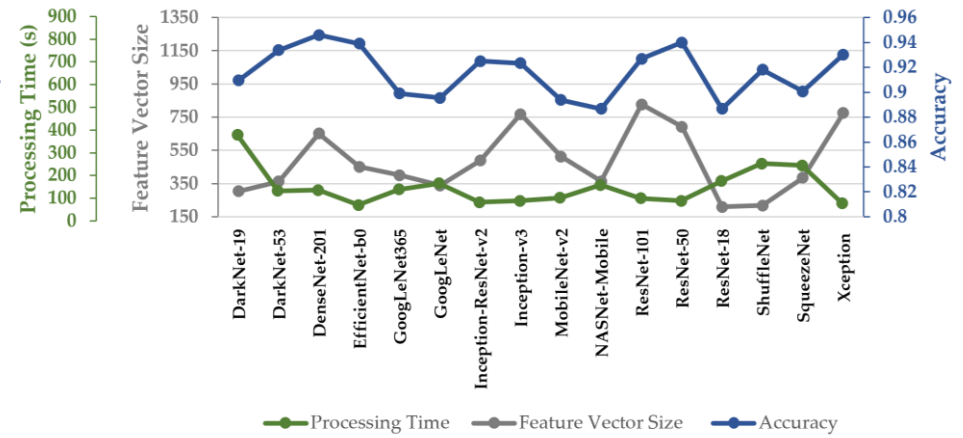
(c)



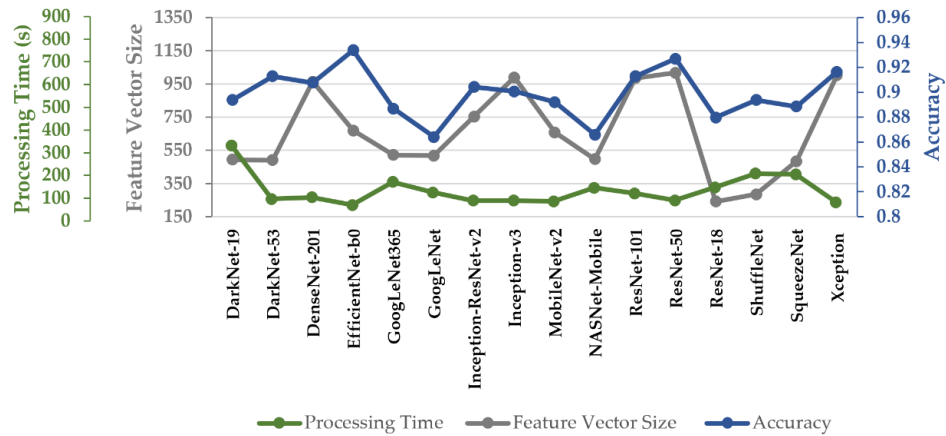
(d)



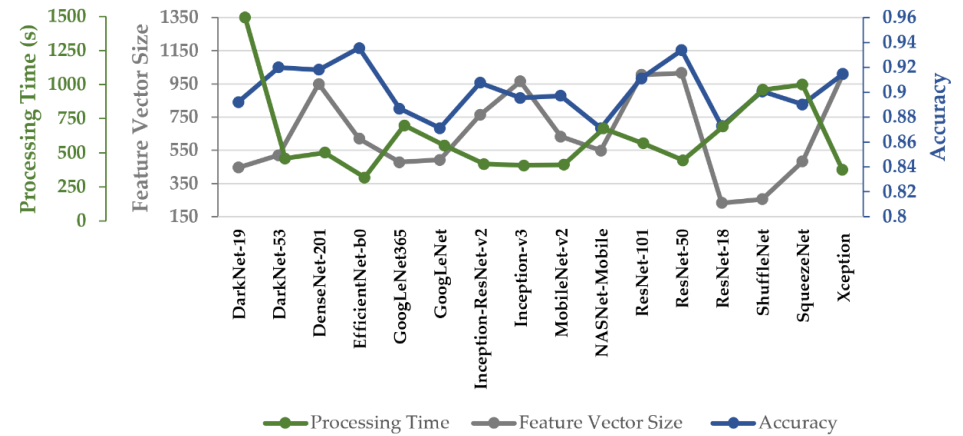
(e)



(f)



(g)



(h)

Figure S1. Detailed results of all the networks and the optimization algorithms in terms of accuracy, feature vector size, and processing time: **a)** MPA; **b)** ASOA; **c)** HHOA; **d)** BOA; **e)** WOA; **f)** GWOA; **g)** BA; **h)** FA