Convergence chart of tested models on Phoneme dataset 0.750 0.725 -0.700 0.675 0.650 0.625 **GBO-ANFIS ARO-ANFIS RIME-ANFIS** 0.600 **QLE-SCA-ANFIS AAEO-ANFIS WOA-ANFIS** 0.575 -50 100 150 200 250 0

Epoch