Convergence chart of tested models on Phoneme dataset 0.750 -0.725 0.700 **GBO-ANFIS ARO-ANFIS RIME-ANFIS** 0.675 **QLE-SCA-ANFIS AAEO-ANFIS SMA-ANFIS** 0.650 0.625 0.600 50 100 150 200 250 300 0 **Epoch**