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Economic assimilation in between world economies has been advancing rapidly, growing intra-regional trade, increasing investment and financial integration. Recent developments on regional and bilateral free-trade agreements and on emerging financial cooperation arrangements make this process likely to deepen over time resulting the business cycles of economies in the world more interrelated. The behavior of Exchange Rate (ER) movements among economies does reflect how deep the assimilation is. Thus, this study attempts to investigate the extent to which international ERs move together. The ER co-movement is measured between Indian Rupees, Japan Yen, Sterling Pound, US Dollar and EURO by using Sri Lankan Rupees as the base currency. Econometric models of Autoregressive Conditional Heteroskedasticity (ARCH), Generalized ARCH (GARCH), Johansen Cointegration and Vector Autoregression (VAR) and VAR Variance Decompositions are employed. Monte Carlo simulations over the period from 2007 to 2010 (48 months) were used for the investigation. The empirical results indicate that ER co-movement is significant since most of the considered ERs have more than 46% of their forecast error variance is explained by the other ERs under consideration while Japan Yen depicts only 37%. There is a high degree of co-movement between ERs of Sterling Pound and with that of Japan Yen, US Dollar, Indian Rupees and EURO, showing a declining order of ER co-movement respectively. Japan Yen showed a negative response to all the shocks given to other ERs while the response of Sterling Pound is persistent to the shocks of Indian Rupees.