Existence and comparison results of the linear and nonlinear Riemann-Liouville fractional differential equations and systems of order $q$, $0 < q < 1$, are recalled, modified, and developed where necessary. Generalized quasilinearization method is developed for nonlinear fractional differential equations of order $q$ where the nonlinear function $f(t, x)$ can be split into two functions, one convex and one concave. Quadratic convergence to the unique solution is proved via weighted sequences. (Received September 16, 2011)