In the D = 1 dimensional space, we study the bound state solutions of the potential $V(x) = -e x + b x^2 (e, b > 0)$. They occur on the right half-plane x 2 [0,1[. In the limit b!0, we recover the spectrum of the D = 1 Coulomb potential. Supersymmetric properties are briefly discussed. The model is extended by considering complex coupling constants. Nonlinear effects are also treated by considering a linear energy dependence of the e coupling constant