



**Figure 1.** Nernst-Planck-Poisson simulation of the response of a potentiometric ion-selective sensor to decreasing primary ion activities. Relatively large activity of interfering ions is maintained ( $a_i = 1\text{mM}$ ) to keep the whole cell  $R$  constant. Adhered layer thickness  $100\text{ }\mu\text{m}$ ,  $K_{ij} = 10^{-3}$ .