



**Fig. 2.7** Solution of the energy balance to explore the effect of leaf size ( $d$ ) and environmental variables on the transpiration rate (a,b) and the difference between the surface and air temperature ( $T_s - T_a$ , c,d).  $R_h$  and  $u$  are the net radiation and wind speed respectively. In the calculation the stomatal conductance was  $500 \text{ mmol m}^{-2} \text{ s}^{-1}$ , the air temperature was  $15^\circ \text{C}$  and the saturation deficit of the air was  $8 \text{ mmol mol}^{-1}$ . This corresponds to a temperate environment. Other examples are given in van Gardingen & Grace (1991) from which these figures were obtained.