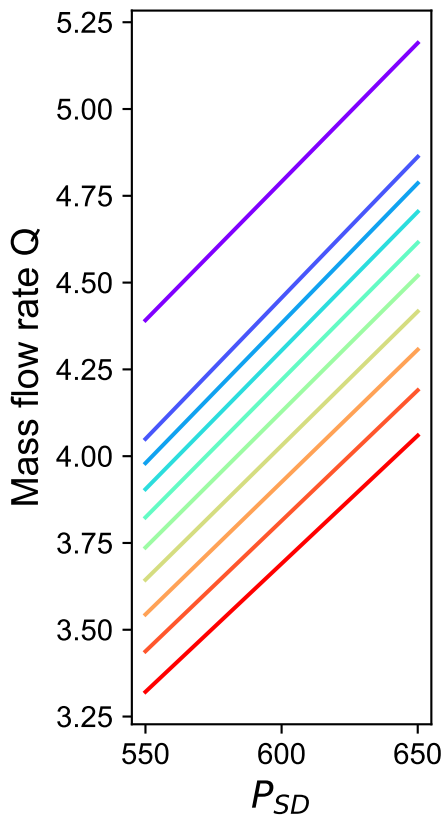
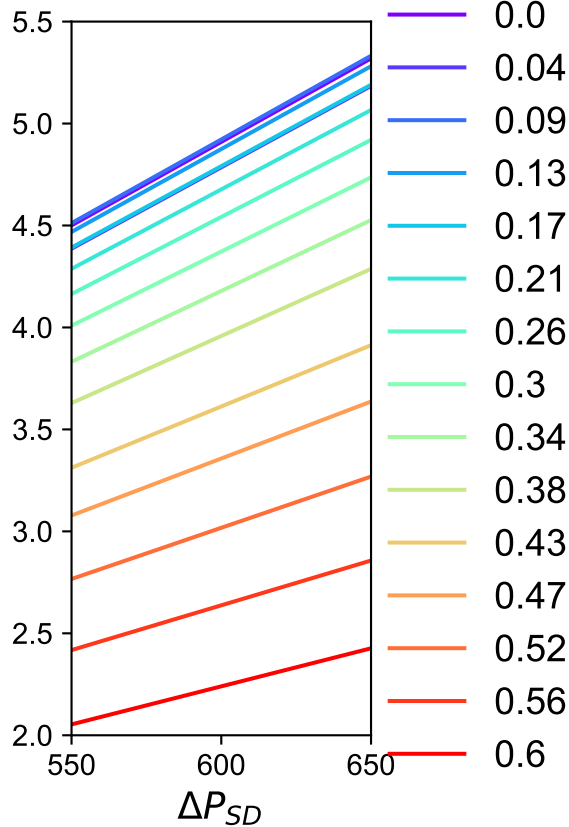


**(a)** $\min$ **(b)** $r$