$$\left((\sin x)^{\frac{x+1}{x}}\right)' = (\sin x)^{\frac{x+1}{x}} \left(\left(\frac{1}{x} - \frac{x+1}{x^2}\right) (\log \sin x) + \frac{(x+1)\ (\cos x)}{x\ (\sin x)}\right)$$