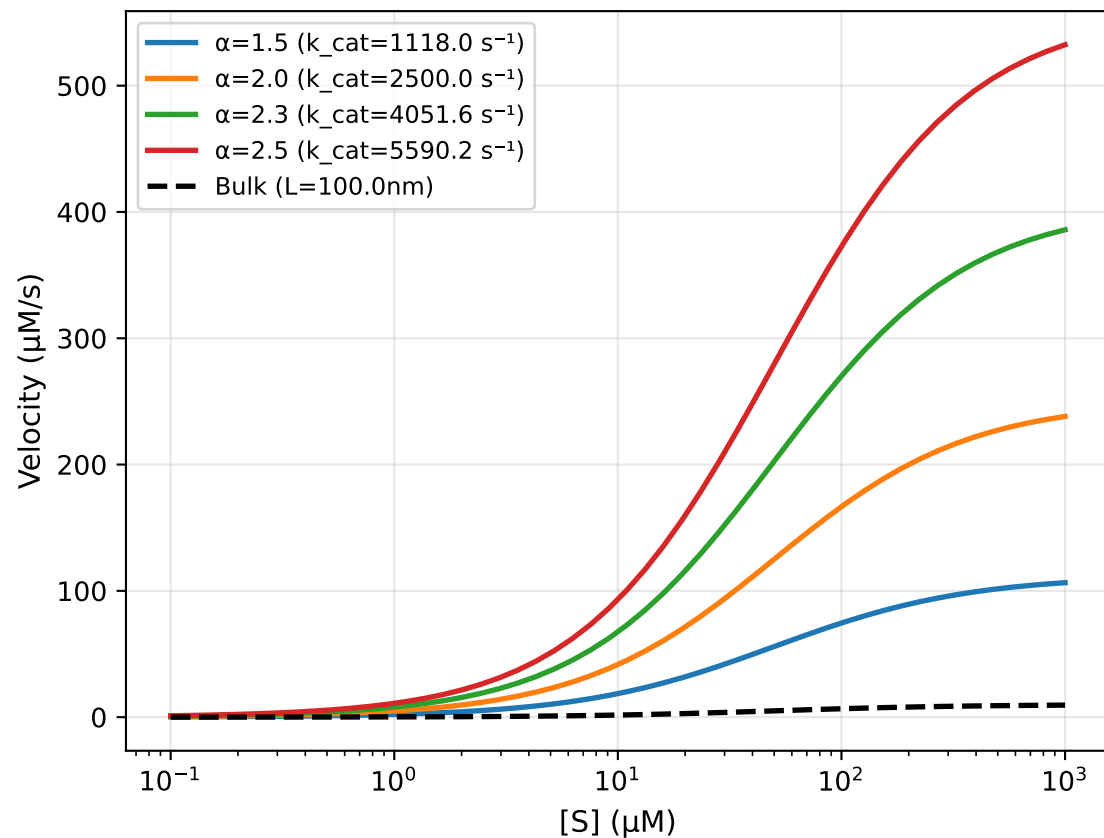
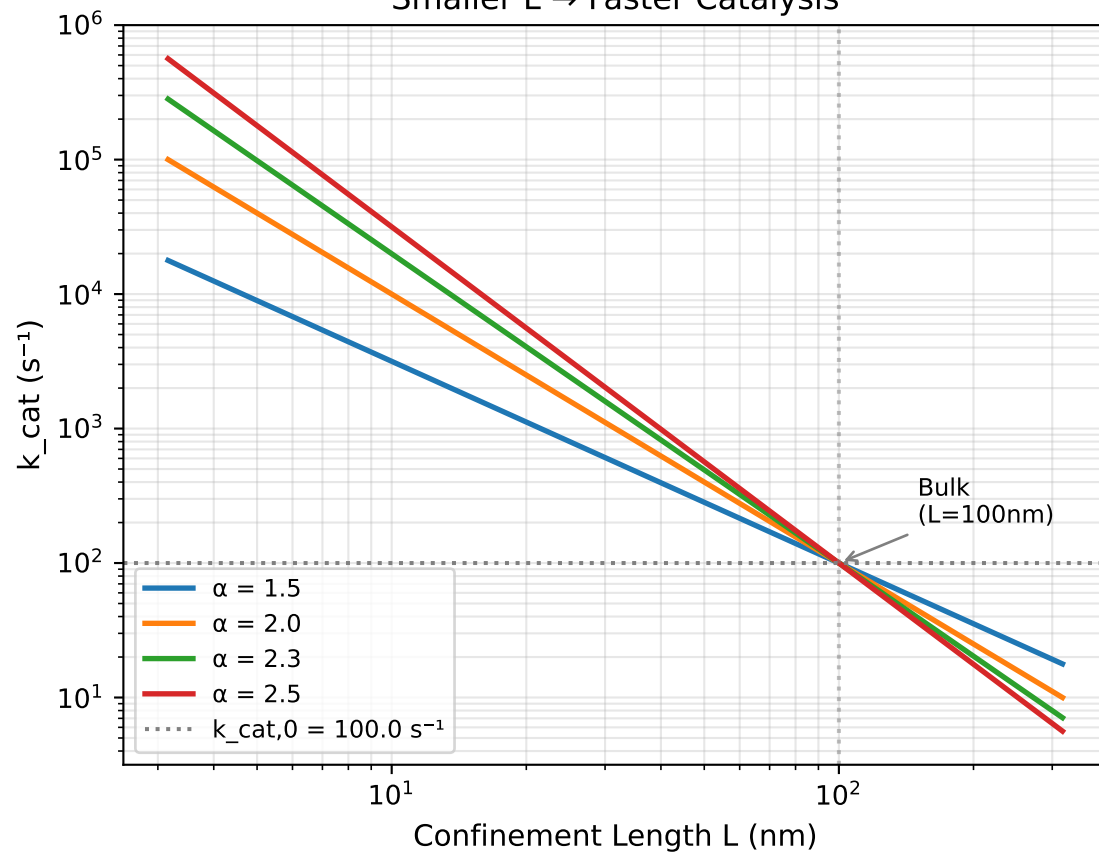


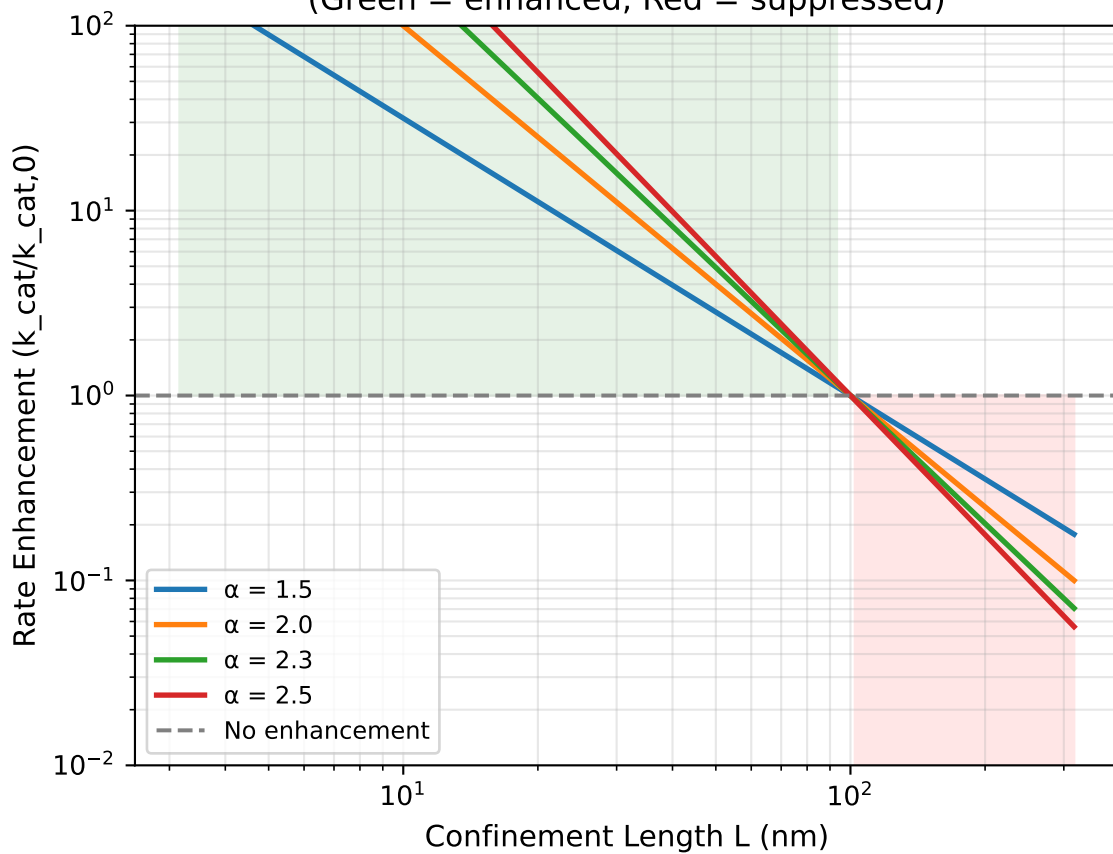
Michaelis-Menten Curves at L=20nm  
(Different  $\alpha$  values)



RTM Scaling:  $k_{\text{cat}} \propto L^{(-\alpha)}$   
Smaller L  $\rightarrow$  Faster Catalysis



Catalytic Enhancement by Confinement  
(Green = enhanced, Red = suppressed)



Simulated Experimental Data ( $\alpha_{\text{true}} = 2.2$ )  
Confinement Effect on Kinetics

