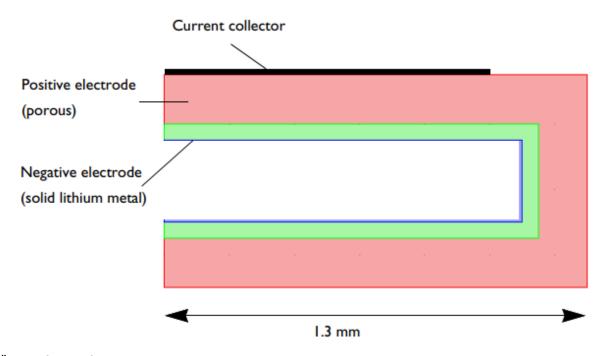
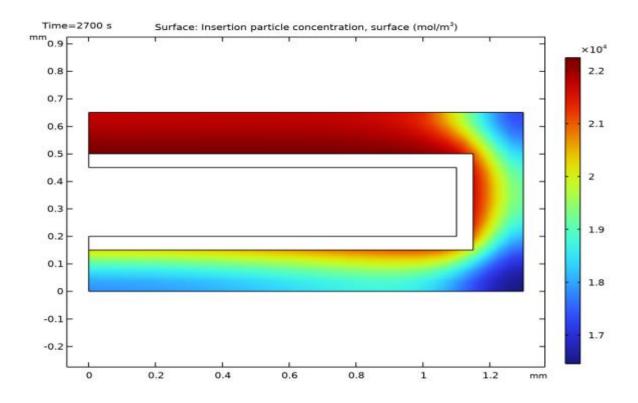


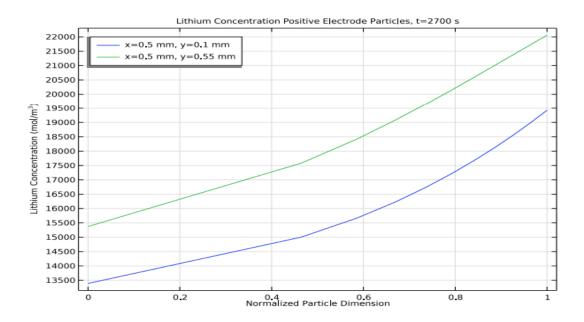
#FIG 1: 3D model geometry of Lithium-ion model



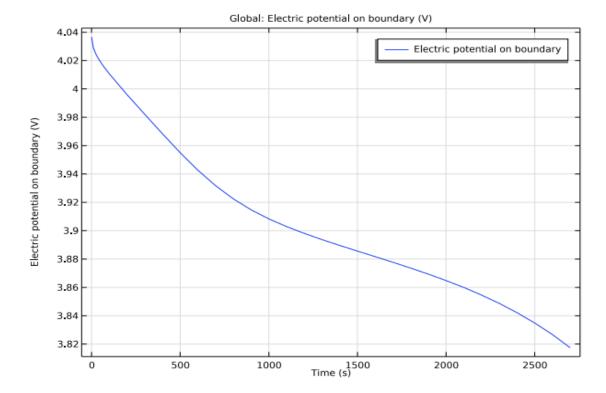
#FIG 2: A 2D cross-sectional model geometry with the thickness of the negative lithium metal electrode neglected.



#FIG 3: Lithium concentration at the surface of the electrode particles at 2700 s



#FIG 4: Lithium concentration in the positive electrode particles at two selected positions, (x=0.5 mm, y=0.1 mm) and (x=0.5 mm, y=0.55 mm), within the model geometry



#FIG 5: Cell voltage variation during discharge.