Consider a connected locally finite simplicial graph $G$ with vertex set $V$, we study the problem of the discrete version of the $p$-Laplacian adapted from Riemannian manifold, and its surjectivity if $G$ is infinite. I will give some overview of some concepts that play central role as $p$-capacity, infinite $p$-hyperbolic graphs, and the existence and uniqueness of solution in $p$-Dirichlet space for $p$-Poisson equation with finite support source on infinite graphs, and how, in general, we can study surjectivity of the $p$-Laplacian. It is important to point out that surjectivity of the $p$-Laplacian has direct relation to the existence of solution of $p$-Poisson equations. (Received September 26, 2017)