Genotoxic factor is any factor that can show alternation of the DNA structure. Genotoxic factors are common and prevalent factors in our modern life, and carry an important and significant risk in our society. Some of those factors react with the environment exclusively and induced genotoxic related diseases and other agents react with other substances or compounds that already present in the environment. Genotoxic factors can cause genotoxic related diseases that among them are: tumors, infections, abortions and many other diseases. Genotoxic factors can be react with the human body in several ways, among them are: inhalation, drinking, eating, contamination by blood or saliva.