

Many practical applications can be formulated as global optimization problems. In this work the global optimization problem will be reviewed and some of the methods that have been proposed. Predicting the 3D form of protein from their linear sequence is one of the applications of global optimization. This problem can be formulated as a problem of finding a global minimum of energy function. Some basic information about proteins, their potential energy function and used models is given. Next, we described some of the algorithms used for determining the structure of proteins.