Abstract

In the last few decades, graph theory has advanced significantly in the subject of mathematical chemistry. Chemical graph theory has recently gained a lot of attention from scientists due to the variety of mathematical chemistry applications it provides. Current modeling of chemical compound biological activity uses the eccentric connectivity index (ECI), a description of chemical structure. In this work, we computed Ediz eccentric connectivity index and augmented eccentric connectivity index of $Cr(DCNQI)_2$[m;n] ($DCNQI$=Dicyanoquinonediimine).