ABSTRACT

Diagnosis plays a vital role in the medical field. Diagnosis is done through inferences on symptoms. Symptoms are considered as linguistic variables and hence they can be measured through linguistic values. In recent years, computational intelligence has been developed and used to solve many complicated problems. Fuzzy logic has proved as a powerful tool for decision-making and fuzzy logic is the appropriate Mathematics that helps to assign numeric values to linguistic values. For the past 3 years, COVID-19 has become the most pandemic disease all over the world. It can be transmitted from one person to another person easily. World Health Organization(WHO) confirmed the first COVID case in Wuhan City, China. COVID-19 is capable of causing diseases ranging from the common cold to more severe diseases. Here comes Fuzzy logic to predict COVID-19 which produced promising results. In this paper, we present applications of fuzzy logic in COVID-19 disease as a review article.

KEYWORDS:

Disease diagnosis, symptoms, Linguistic variables, Linguistic value, Fuzzy logic.