ABSTRACT

Computerized Medical Imaging Technique for Classification of Multi-class lung diseases

The novel coronavirus disease 2019 (COVID-19) is a contagious disease that has caused thousands of deaths and infected millions worldwide. Thus, various technologies that allow for the fast detection of COVID-19 infections with high accuracy can offer healthcare professionals much-needed help. A deep transfer learning network is used for automatic classification of COVID-19 pneumonia, and tuberculosis from X-rays. A new deep-learning network named DenResCov-19, which can deliver robust classification results in multi-class lung diseases. . The goal is to create a robust classification that can accurately distinguish multi-class lung diseases.