**CONCLUSION**

networks presents a challenge due to its evolving attributes and characteristics. Nonetheless, the inherent capabilities of Machine Learning (ML) and Deep Learning (DL) facilitate the computation of these features, attributes, and characteristics. Through this study, an analysis reveals that leading researchers in this domain employ techniques such as the deep Boltzmann machine DL method, deep neural networks, Convolutional Neural Networks (CNN), and Deep Autoencoder models. Recognizing this necessity and upon thorough review, it is strongly recommended that future research endeavors explore the integration of metaheuristic models for text-based fake news classification.