Dear Editors,

I am writing to submit my research article entitled "**QUMA: Quantum Unified Medical Architecture using Blockchain**" for consideration in the *Journal of Informatics* (MDPI).

I believe that our work presents valuable insights into the field of Health informatics, specifically in the context of quantum blockchain. This research aligns with the journal's mission to publish high-quality articles at the intersection of health informatics and computer science, making it an ideal fit for publication in your esteemed journal.

An overview of the features and contributions is provided below.

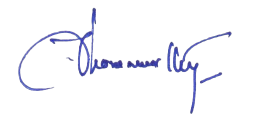
1. A whole new network of Quantum Mechanics-based Chain for Highly Advanced Medical Information Networking (QMEDCHAIN) is developed. Entangled states are used to link the quantum blockchain nodes together. Hash values for individual blocks are stored in a single qubit, and time stamps are created automatically during the regulated actions re-quired to combine quantum blocks.

2. An innovative protocol for entangled quantum medical records (EQMR) is proposed, and the data flow and processing in the network is explained in detail. This protocol implements a quantum authentication technique. New EQMR protocol feasibility is explained by linked simulations, and its security aspects are fully realizable, also the mechanism of information processing in the network is elucidated via an example.

3.This study provides an in-depth evaluation of security measures. Security research, de-rived from theory, shows that the EQMR protocol is secure against three common types of attacks: external attacks, measurement replay attacks, and entanglement attacks. Correct-ness and traceability analyses of the quantum block, are well presented. The suggested QMEDCHAIN is also compared to many current blockchain models, in particular quantum blockchain systems, in this study. Our research addresses a significant challenge in healthcare and has the potential to influence clinical decision support systems and patient care. We believe that the findings presented in our article will be of great interest to your readership.

I kindly request that you consider our submission for publication in the *Journal of Informatics*. Our work has not been submitted elsewhere, and we adhere to the highest ethical standards in research.

Thank you for your time and consideration. I look forward to your favourable response regarding the status of our submission.

Sincerely,