Review of: "A New Approach Towards Quantum Foundations and Some Consequences"

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Potential competing interests: No potential competing interests to declare.

I find the paper very interesting and promising and deserving to be published in Qeios.

Still, I have a few suggestions to make:

I quite agree with the author when he says:

Quantum mechanics is not a theory of the world as such, but a theory of an observer's or a communicating group of observers' knowledge about this world.

Yet, it would be more adequate to say that quantum physics, just as all human theories, shares the same status as observer representations of reality.

In *The basic theory*, the author says:

Other variables are inaccessible.

Two examples of the latter are,

first, the vector (position, momentum) of a particle at some time,

…

It is true that in standard quantum mechanics and in the context of Heisenberg relations, the statement could be considered adequate. But now it is possible to go not only theoretically but also in practice much beyond Heisenberg limits, as a simple look at the internet may show.

The approach to evade some problems of orthodox quantum mechanics seems to me very interesting; still, it looks too much Cartesian. Perhaps a more general nonlinear approach, which is implicit in the present work, would be more daring.

As a final general remark, I would like to say that any scientific theory deserving that name needs not only to have theoretical consistency but also the capacity of being tested by praxis in crucial experiments.