

Review of: "Archetypal Resonances Between Realms: The Fractal Interplay of Chaos and Order"

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Potential competing interests: No potential competing interests to declare.

I thoroughly engaged with the manuscript authored by Sacco et al., finding it both well-crafted and timely. The acknowledgment of chaos theory, fractal geometry, and non-linear behavior as fundamental elements in the exploration of biological systems, encompassing both their structure and dynamics, is commendable. It is suggested that the authors differentiate between the statistical self-similarity inherent in the actual nature of phenomena and the geometrical self-similarity associated with mathematical entities. Moreover, the distinction between linear systems, absent in nature, and non-linear systems, prevalent in various organizational levels within nature, should be highlighted, considering both spatial and temporal scales.