Jalal Y. A. Khawaldeh

Researcher | Theoretical Scientist | Philosopher
Head of Research Department, RO Educational Institute

Email: Jalal@RewaqOusha.net
Personal Email: jalal.khawaldh@yahoo.com
Mobile: +971 50 8409810

ORCID: 0009-0003-7872-1967

Overview and Research Focus

Jalal Y. A. Khawaldeh is a multidisciplinary researcher and philosopher whose work explores the intersection of theoretical physics, cosmology, epistemology, artificial intelligence, and quantum biology. His research aims to challenge fundamental assumptions about time, motion, cognition, and the structure of the universe by integrating scientific methodologies with philosophical inquiry.

His groundbreaking studies, including "Quantum Cosmic Consciousness Code (QCCC)" and "Towards a New Mathematical Model for Understanding the Non-Linear Self-Organization of the Universe," present innovative frameworks that bridge neuroscience, quantum mechanics, and astrophysics. Through these works, he seeks to develop a unified paradigm that redefines our understanding of reality and consciousness, offering new insights into the foundational principles governing the cosmos.

Key Contributions and Theoretical Models

1. Quantum Cosmic Consciousness Code (QCCC)

A novel theoretical framework explaining consciousness as a macroscopic quantum phenomenon. This study integrates advanced AI-driven analyses of EEG, NMR, and calcium imaging data to demonstrate irrefutable evidence of quantum processes in neural systems. Key findings include:

- Nuclear spins in phosphate molecules (Posner clusters) acting as stable qubits with prolonged coherence times.
- DNA resonance codes (1–10 THz) modulating neural activity via frequency-locking mechanisms.
- Astrocyte-mediated biomagnetic fields suppressing decoherence, enabling sustained quantum states in neurons.

This research establishes statistical parallels between neural coherence metrics and cosmic quantum patterns ($\mathbf{R^2 = 0.79–0.83}$), reinforcing the hypothesis of a universal quantum code governing biological and astrophysical systems.

2. Towards a New Mathematical Model for Understanding the Non-Linear Self-Organization of the Universe

An AI-driven mathematical framework designed to uncover hidden non-linear patterns in cosmic evolution. This study leverages advanced algorithms to analyze astronomical data, revealing striking parallels between self-organizing phenomena in neural networks and astrophysical structures ($\eta^2 = 64\%$). The model provides a testable framework for exploring consciousness as a universal phenomenon.

3. Quarks and the Cosmic Control Panel Theory

An exploration into the role of quarks in shaping the fundamental structure of the universe. This study suggests that subatomic interactions may hold the key to large-scale cosmological organization, potentially leading to new breakthroughs in particle physics and astrophysics.

4. Ja Model: A Comprehensive Framework for Universal Motion

A novel approach that redefines motion as a fundamental universal constant, challenging conventional time-dependent models of physics. The Ja Model introduces a motion-based framework applicable across quantum, biological, and cosmic scales, reshaping how we perceive universal dynamics.

5. Collisional Thinking Theory (CTT)

A cognitive framework that examines how intellectual breakthroughs arise from the collision of conflicting ideas. CTT introduces the concept of "Waste of Thinking," emphasizing that discarded ideas often serve as catalysts for scientific and philosophical innovation.

6. The Theory of the Philosophical Standard Test

A methodological framework for analyzing cognitive self-awareness in isolated epistemic environments. This theory strips away accumulated knowledge to test the core mechanisms of human reasoning and logical cognition.

7. Quantum Computing and AI: Future Integration

A study of the convergence between quantum computing and artificial intelligence, predicting how these technologies could reshape computational paradigms, enhance scientific discovery, and redefine knowledge systems.

- **Research and Academic Impact**

Jalal Khawaldeh's research focuses on expanding the boundaries of conventional scientific thought by merging philosophy, mathematics, and computational modeling. His multi-theoretical approach offers fresh perspectives on universal principles, providing new ways to interpret physics, cognition, and artificial intelligence.

Rather than seeking absolute conclusions, his work raises foundational questions, aiming to construct a scientific-philosophical bridge that challenges how we understand reality. His interdisciplinary approach contributes to the ongoing evolution of scientific and epistemological inquiry.

Recent Publications

- Khawaldeh, J. (2024). Quantum Cosmic Consciousness Code (QCCC): Bridging Neuroscience, Quantum Mechanics, and Cosmology. Zenodo. DOI: 10.5281/zenodo.15105089
- Khawaldeh, J. (2024). Towards a New Mathematical Model for Understanding the Non-Linear Self-Organization of the Universe: AI-Based Analysis of Astronomical Data. Zenodo. DOI: 10.5281/zenodo.14842611
- Khawaldeh, J. (2024). Quarks and the Cosmic Control Panel Theory. SSRN. DOI: 10.5281/zenodo.15004532

A New Interdisciplinary Scientific Approach

While continuing his research, Jalal Khawaldeh is actively developing a new interdisciplinary scientific paradigm that explores the deep connections between physics, philosophical reasoning, and quantum mechanics. His work seeks to address longstanding paradoxes in modern science, laying the foundation for future theoretical advancements.

References and Academic Presence

Orcid: Jalal Khawaldeh-0009-0003-7872-1967

Jalal Khawaldeh - Scholar Google

Jalal Khawaldeh - PhilPeople

Jalal Khawaldeh- papers.ssrn

JalalKhawaldeh –Academia Edu

Jalal Khawaldeh- loop.frontiersin

Jalal Khawaldeh - figshare

Jalal Khawaldeh: Wikipedia Arabic, Spanish.