

Curriculum Vitæ of Alexandre S.F. de Pomposo PhD, MD.

Undergraduate studies in Physics, Universidad Nacional Autónoma de México (Autonomous National University of Mexico).

Qualifying for the PhD in Physics, The University of Texas at Austin.

PhD in Physical Sciences, Université Libre de Bruxelles (Free University of Brussels, Belgium), obtained with a thesis directed by Professor Ilya Prigogine (Nobel Prize winner on Chemistry 1977). Thesis' title: Detailed insight into the Couette-Taylor instability.

Undergraduate studies in Philosophy, Université Catholique de Louvain (Catholic University of Leuven, Belgium). Thesis' title: La contingence: le maillon entre l'irréversibilité du temps et le mal (Contingence: the link between the irreversibility of time and evil).

Baccalaureate in Theology, Université Catholique de Louvain (Catholic University of Leuven, Belgium).

Medical Doctor, Universidad Nacional Autónoma de México, (Autonomous National University of Mexico).

Member of the Académie Royale des Sciences de Belgique (Royal Academy of Sciences of Belgium) as a Chercheur Libre (Free Researcher).

Member of the Société Française de Philosophie (The French Society of Philosophy).

Member of the Fundación Xavier Zubiri de Madrid (Xavier Zubiri Foundation of Madrid, Spain).

Member of the Faculty of Ha'atelier, an organization promoting the cultural relations between Jewish and Muslims at the University of Berlin, Germany.

Emeritus Professor of the Multiversidad Mundo Real Edgar Morin (Edgar Morin Real World Multiversity), Mexico City.

Director of the research magazine Ludus Complexus: revista multiversitaria de complejidad (Ludus Complexus: multiversitary review of complexity).

Holder of the Cátedra Ilya Prigogine en Ciencias, Humanidades y Complejidad (Chair Ilya Prigogine on Sciences, Humanities and Complexity), Multiversidad Mundo Real Edgar Morin (Edgar Morin Real World Multiversity), Mexico City.

Coordinator of the research group on complexity SACO (Sistemas Abiertos y Complejidad – Open Systems and Complexity), at the Multiversidad Mundo Real Edgar Morin (Edgar Morin Real World Multiversity), Mexico City.

The main subjects of my research

The following list doesn't follow a scale of relevance, but rather an associated evolution along the chronology of my academic history. Only mention is made of the aspects more frequently underlined in my research and more recurrently analyzed in the publications.

- Time: its nature, its irreversible character, the role the time plays in the organization of the real world.
- Chaos, dynamical systems, open systems, dissipative structures and self-organizing systems, thermodynamics of irreversible processes, non-linear systems, turbulence.
- Cosmology, the phenomenon of life, phase transitions, symmetry breaking, pattern selection.
- Philosophy of physics, philosophy of mathematics, philosophy of biology, complex thought, epistemology, phenomenology, philosophy of art, philosophy of sciences.
- Metaphysics, philosophy of religions, philosophy of history, Spinoza, Hegel, Bergson, Husserl, Foucault.
- Mystique theology, Kabbalah, Jewish phenomenology, Jewish Medieval Literature, Hassidic Judaism, the act of faith, theandric relations, relations between science and faith.
- Human Physiopathology, neurosciences, theories of consciousness, the texture of the central nervous system, thermodynamic principles of sickness, death.