

## Curriculum Vitae

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Birth day: Porto, 25.07.1954

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## Academic Formation:

2012 Ph.D. in History and Philosophy of Science. University of Évora. Supervisor: Prof. Dr. A. J. Franco de Oliveira and Prof. Dr. M. da Costa Leite. “A Personalidade Científica de António Gião”. (The Scientific Personality of António Gião)

2004 Provides Evidence of Pedagogical Aptitude and Scientific Capacity in the discipline of Integrated Themes of Mathematics, supervised by Professor J. Sousa Ramos (IST/UTL, Lisbon).

1977 Graduation in Mathematics – Faculty of Sciences – University of Lisbon – with 17 values, specializing in Theoretical Mechanics.

## Academic Training:

1997-1998	Attended the course “Eastern Philosophy”, University of Évora, conducted by Professor Carlos Silva.
1996-1997	Regular participant at the seminar “Semantics of knowledge. University of Évora and ISCTE.
1977-1978	Received a scholarship from the French government at the University of Marseille, and then attended graduate courses in the areas of Mathematics and Behavioral Sciences.
1977-1978	Participated regularly in the Seminars <i>d’Epistémologie</i> Comparative in Aix-en-Provence.
1977-1978	Taught history of Portugal and the Natural Science Association of Portuguese emigrants.  Internships at the Laboratory of Physical Chemistry, Free University of Brussels and the Station <i>Biologique la Tour du Valat</i> .
1977	Technician in the Group of Biomechanics by the Gulbenkian Institute of Science, Lisbon - Portugal
1977	Participated in a Group of Ethology, who made a short film about the social behavior of deer. Tapada de Mafra, Portugal.
1971-1977	Faculty of Sciences – Lisbon and Luanda Graduation on Mathematician
1971-1977	Luanda: Monitor on Electronic Laboratory by Informatics Treatment; in the Library Section of Mathematics.
1971-1977	Sá da Bandeira: taught there “Mechanical”, “Differential Geometry” and “Programming”

**Professional Experience:**

2012	Assistant Professor– Department of Mathematics, University of Évora.
2004- 2012	Assistant – Department of Mathematics, University of Évora.
2005-2007	Guest professor at Nacional University of Timor Lorosae.
1994- 2004	Assistant – Department of Mathematics, University of Évora.
1991-2003	Cooperating professor - Department of Science and Technology Institute of Higher Education (old formal School of Teachers of Secondary Education) in Cape Verde.
1991-1993	Consultant by Project “Naturally Fracture Reservoirs – Development of new mathematical models to improve confidence in simulation input data”, sponsored by Partex c- CPS.
1990-1993	Superior Technician 1 <sup>st</sup> class,– University of Évora.
1980-1990	Teaching Assistant - Department of Social Communication by Faculty of Humanities and Social Sciences, New University of Lisbon.
1979-1980	Stagiary Assistant - Department of Social Communication by Faculty of Humanities and Social Sciences, New University of Lisbon.
1978-1978	Department of Mathematics, University of Aveiro- Eventual Assistant.

**Disciplines Taught:**

	General Theories of the Phenomena and Comparative Epistemology – Mater in Human Ecology
F.C.S.H.	Computers
F.C.S.H.	Interventions Masters in Anthropology and Social Communication.
F.C.S.H.	Logic
F.C.S.H.	Mathematics and Statistics for Social Sciences – Courses Anthropology, Sociology and Social Communication.
I.S.E.	Numerical Analysis and Computing
I.S.E.	Cosmology and History of Science (Philosophy)
I.S.E.	Differential Equations
I.S.E.	Analytic Philosophy
I.S.E.	Differential Geometry

I.S.E.	History of Scientific Thought
I.S.E. and UÉvora	History of Mathematical Thought
I.S.E. and UÉvora	Logic and Foundations *
I.S.E. and University of Aveiro	Geometries
UÉvora	History of Mathematics
UÉvora	Mathematics for Sociologists I and II
	Numbers and Operations
	Arithmetics and Algebra
UÉvora	Integrated Topics of Mathematics
University of Aveiro	Mathematics – degree n Ceramic Engineering and Environment.
University of Aveiro	Operational Research – degree n Ceramic Engineering and Environment.
University of Aveiro	Theoretical Mechanics– degree in Mathematics

<b>Disciplines co-Taught:</b>	
UNTL	Mathematics 1, 2 and 3 – Courses of Agricultural Science and Economics, National University of East Timor
UNTL	Portuguese for Physicists
Timor	2 shares recycles for Teachers of Mathematics, Institute of Continuing Education of Teachers
UÉvora	Preparatory Course of Mathematics
CESVALOR	CET on Ornamental and Industrial, Borba, Portugal

<b>Positions Held:</b> 2013-present	Scientific Coordinator Program Erasmus Mundus EMMA WEST 2013 (2013-2017, 2.5 M€)
2008-present	Member of the Center of Philosophy of Science, Lisbon University, and Member of Committee of the Degree Course in Childhood Education.
2003- 2004	Institute of Scientific Research Bento da Rocha Cabral.
1998- 2008	Member of Committee of the Masters Course in Human Ecology (member, later permanent advisor).
1997-1998	Responsible for the Seminar Centre for the Study of History and Philosophy of Science, University of Évora.
1996-2002	Protocol Manager between U.E. And I.S.E.(Cape Verde)
1993-1998	Member of Installation Committee, Center for the Study of History and Philosophy of Science, University of Évora.
1987-1989	Pedagogical Commission of the Department of Social Communication FCSH.
1986-1987	Member of Assistants Advisory Committee, to the President of the Scientific Council FCSH.
1978-1979	Secretary of the Board of the Pedagogical Committee in Mathematics, University of Aveiro.

### Conferences and Meetings:

- 1998 - Symposium on Complex Analysis, Coimbra-Aveiro, Extending the Exponential to Quaternions.
- 1997 - Seminário sobre o Padre António Vieira, Évora, "A Oriente de Vieira".
- 1997 - Seminário "La Biología entre la Mitología y la Filosofía", México, Conferência "The Geometries of three Ancient Kingdoms".
- 1996 - "Grupo de Matemáticos de Expressão Latina", Coimbra, "Uma extensão da exponencial aos quaterniões".
- 1994 - Casa de Serralves, Porto, "Numerologias".
- 1994 - Paradigms in Mathematics, Zaragoza, " Styles or Paradigms?".
- 1994 - Congresso Piaget, Lisboa, "O irracionalismo em ciência hoje".
- 1994 - "L'Ordre et le Chaos", Lisboa-Paris, "A Ordem Fractal, entre o contínuo e o número".
- 1992 - Ometeca Seminar Santa Fé, "The geometries of travel Writing" e "On art, dimensionality and time".
- 1992 - "Caos e Metapsicologia", Lisboa, "Dimensões de Fractalidade".
- 1991 - PROFMAT 91, Porto – : "Escher e a sua Obra".
- 1990 - "Tutorials" do IFIP Congress Fractal: "O lugar dos fractais".
- 1989 - Encontro de Gabinete de Filosofia do Conhecimento, Évora, "O Teorema de Chaitin".
- 1988 - Simpósio "A Literatura de Viagens e os descobrimentos portugueses", Lisboa, "A Geometria das Viagens".

1988 - Colóquio “Moderno/Pós-Moderno”, Lisboa, “O que seria a pós-modernidade na Matemática e na Física, se existisse?”.

1987 - VIII<sup>th</sup> International Congress of Logic Methodology and Philosophy of Science”, Moscovo, Thirdness as an intrinsic limitation in Contemporary Mathematics”.

1985 - “Pensar a Ciência”, Lisboa, “O infinito ma Matemática e na Física”.

1984 - “100 anos de Investigação e Ensino em Antropologia”, Coimbra, Alternativas para o ensino da Matemática em Antropologia.

1984 - Conference on "M. C. Escher, Art and Science ", Rome, " Escher and the Mathematics of Chaos”.

1983 - "2nd Workshop on APL", Lisbon, "An implementation of the algorithm Karnaugh" (co-written with Salvador Pinto de Abreu).

1981 - "1st Workshop on APL", Lisbon - APL programming style.

1979 - "Jornadas Hispano-Lusas de Matemáticas", Santander: The Theory of Conway (co-authored with Leonor Moreira).

1978 -"Séminaire Systema", Paris: “Nombres de Conway et Jeux.

Talks at the Museum of Évora, in other universities (KraKow, ISPA, Istanbul, Minho, UBI, ISE) and secondary schools in Portugal and Cape Verde; the Portuguese Cultural Centre of Maputo and the Pedagogical University and Eduardo Mondlane, Mozambique.

Public presentations of editions of works by J. Lima de Freitas and J.L. Simões da Fonseca.

## **Scientific Publications:**

### **Mathematics**

Tiago de Oliveira, J.C. (2005): Modulated Chaos as a source of Numbers of Images, International Journal of Academic Research.

Tiago de Oliveira, J.C. (1994): The place of fractals and chaos in Metapsychology, Gap.

Tiago de Oliveira, J.C. (1993): Brief essay on the extension of the quaternion exponential, logarithmic and power - Bulletin of the Paranaense Society of Mathematics, 12.

Tiago de Oliveira, J.C. (1980): An extension of the quaternion exponential, Minutes of Meeting of GMEI, Coimbra.

### **Philosophy of Science**

Tiago de Oliveira, J.C. (1991): The Geometries of the Ancient Kingdoms, in Ouroboros, V. 1, n2, 1991, Mexico. Republished in Uroboros - Biology Between Mythology and Philosophy, ed. Academy of Sciences in Warsaw.

Tiago de Oliveira, J.C. (1987): An intrinsic Thirdness the Limitation in Contemporary Mathematics, Proceedings of the VIII International. Congress of Logic Methodology and Philosophy of Science, Moscow.

### **Literature and Science**

Tiago de Oliveira, J.C. (1989): “Borges, the Mathematician”, a Ometeca, New Mexico.

Tiago de Oliveira, J.C.,(1991):“A geometria das viagens”, Prelo, INCM ,reprinted in Ometeca(1994).

José Carlos Tiago de Oliveira      March 2012

### **Sociology of Science**

Tiago de Oliveira, J.C. (2009): “Emergência do Imaginal e Palavra Perdida” in “Lima de Freitas e a Emergência do Imaginal”, Sintra.

Tiago de Oliveira, J.C. (2008): “ António Gião - intimes fragments d'un savant oublié”, Festschrift in Honor of Teoman Duirali, Istanbul.

Tiago de Oliveira, J.C. (1994): Desigualdades Regionais em ciência e filosofia, *Boletim do Núcleo de Estudos da História e Filosofia da Ciência*, nº 1, Ciência e Arte.

### **Other Publications:**

- Book reviews in magazines and Philosophy Analysis (*Análise e Filosofia*).
- Collaborations in magazines: *Praxis, Aplicações, Filosofia e Epistemologia, Antropologia Portuguesa, Revista de Comunicação e Linguagens* and newspapers: *Sábado, Suplemento Literário do Primeiro de Janeiro*.
- Participation in collective works: “*Memórias da Escola Primária Portuguesa*” and “*Homenagem ao Professor Augusto da Silva*”.

### **Member of the wording of the Journals:**

- *Revista de Comunicação e Linguagens* (até 1990).
- *Ometeca*, New Mexico, (1989-93).
- *Uroboros*, México (1991-93).
- *Factos e Argumentos* (2002-04).
- *Kutadbidilig*, Istanbul (2002-06).
- International Journal of Academic Research, Baku (2009-...)

### **Scientific Societies:**

- International Society for the Study of Time
- Centro de Estudos de Comunicação e Linguagens
- Sociedade Portuguesa de Matemática (Direcção Regional do Sul e Ilhas)
- Centro de Estudos de História e Filosofia da Ciência da Universidade de Évora
- Centre International de Recherche et Études Transdisciplinaires
- Sociedade Portuguesa de Autores
- Centro de Filosofia da Ciência da Universidade de Lisboa
- Instituto Bento da Rocha Cabral

### **Scientific Meetings:**

2008. Lima de Freitas e a Emergência Imaginal, Sintra, Portugal.
- 2006: Centenário de Agostinho da Silva, Timor.
- 2005: 1<sup>as</sup> Jornadas Inter-Universitárias de Dare, Timor.
- 2002: Complexidade e Economia, Arrábida, Portugal.
- 2001: Indo-European Seminar on Ayurveda, Arrábida, Portugal.
- 2000: Humanismo Latino e Humanismo Africano, Praia, Cape Verde.
- 1996: History of Mathematics and Mathematical Education, Braga, Portugal.
- 1996: Colóquio Descartes, Viseu, Portugal.
- 1995: Jornadas de Transdisciplinaridade, Lisboa.
- 1994: 1<sup>st</sup> World Congress of Transdisciplinary, Arrábida, Portugal.
- 1994: Paradigms in Mathematics, Zaragoza, Sapain.
- 1992: Caos e Metapsicologia, Lisboa.
- 1990: Fractal 90, Lisboa.
- 1990: Escola de Verão de História de Matemática, Évora, Portugal.
- 1990: Le Continu Mathématique, Cerisy.
- 1990: Structures in Mathematical Theorics, San Sebastian.
- 1989: NATO ASI on Fractal Geometry an Analysis, Montreal.
- 1987: Fractals and their importance in Mathematics and Science, Oberwolfach.
- 1987: VII World Conference of Logic, Methodology and Philosophy of Science, Moscovo.
- 1986: Controvérsias Científicas e Filosóficas, Évora.
- 1986: Time and Mind (ISST), Totnes.
- 1978: Congrès Solvay, Bruxelas.
- 1978: NATO ASI on Advanced Techonobiology, Paris.
- 1978 : Elaboration et justification de modèles en Biologie, Paris.
- 1977 : Journées de Systémique AFCET, Paris.



## **Other Activities:**

2010-2012: member of the Board of Directors of the Erasmus Mundus Mobility with Asia-West.

2000-2008: Scientific Secretary of the International Certificat d'Écologie Humaine.

1988: invited by the Inamori Foundation, Kyoto Prize for the "Creative Arts and Moral Sciences".

1979-1981: Member of the Jury of Film Festival at Figueira da Foz, Portugal.

1994-1998 Collaboration with Fundação Convento da Orada in designing Masters in Mathematics and Applied Ecology Ecology - these courses did not come to be held.

## **Books or chapters of books:**

1. J.C.Tiago de Oliveira (2012), "A personalidade científica de Antomio Gao", Evora (2012)
2. Responsible for technical review of translations of *Nature and Mind (Natureza e Espírito)* de Gregory Bateson, e *Pour l'Honneur de L'Esprit Humain (A Formação da Matemática Contemporânea)* de Jean Dieudonné, both publications edited by D. Quixote.
3. Support for Editorial Gradiva the advice of some works to be translated: *Os dragões do Éden* by C. Sagan, *A dupla hélice*, by J. Watson, *História Concisa da Matemática*, by D. Struik, *A experiência matemática*, by Hersh and Davis.
4. Tiago de Oliveira, J.C. (1998-2001). Director of **Trans** collection in Hugin Editors, made so far by volumes: AAVV. *A Vivência do Sagrado* (1998); AAVV, *Transdisciplinarity/Transdisciplinarité* (1998); and B. Nicolescu, *O Manifesto da Transdisciplinaridade* (1998).
5. Tiago de Oliveira, J.C. (1998). Co-organizer of special core by *Boletim* da Sociedade Portuguesa de Estatística on 70 years of J. Tiago de Oliveira.
6. Tiago de Oliveira, J.C. (1997). Organization, search and edit Collected works by J.Tiago de Oliveira, Issues bias, Évora, wich have left: *Statistical of Analysis of Extremes*.
7. Tiago de Oliveira, J.C. (1996). Organization, search and edit Collected works by J.Tiago de Oliveira, Issues bias, Évora, wich have left: *Volume2 – Trabalhos Históricos-Filosóficos, Textos Pedagógicos e Miscelâneas*.
8. Tiago de Oliveira, J.C. (1994). Organization, search and edit Collected works by J.Tiago de Oliveira, Issues bias, Évora, wich have left: *Volume 1 – Livros de Matemática*.
9. Tiago de Oliveira, J.C. (1993). Organization, search and presentation of the volume *—O Homem e a Obra*, by J. Tiago de Oliveira. Edições Colibri, Lisboa, 1993 (1ª e 2ª edições).

## **Books under a different name:**

**Fermín Jesus Menendez(1994): "Um oriente a oriente do Oriente"**

**Fermín Jesus Menendez(1994):"Con los pobres de la tierra"**