

## **Dr. Maria Luiza LAPA DE SOUZA**



### **PERSONAL DETAILS**

Status: Professor of Mathematics  
Appointment: Full Time  
Origin: Brazil  
Year joined: 2008  
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### **RESEARCH INTERESTS**

Topology (Mathematics), Economics, Human Capital, Sustainable development

### **TEACHING**

Mathematics, Financial Mathematics and Applied Mathematics for Management

### **ACADEMIC EXPERIENCE**

Since 2008 Permanent Professor at EBS-Paris

2004 – 2012 Lecturer at University Denis Diderot - Paris 7

1999 Lecturer at CESI-Paris

2002 Lecturer at Université Polytechnique Féminine de Sceaux,  
at École Militaire (Paris)

1983-2002 Permanent Professor at Federal University of Bahia (Brazil)

### **AFFILIATIONS AND MEMBERSHIPS**

Circle of emancipative pedagogies («Cercle de Pédagogies Émancipatrices»), a group for rethinking some education issues, under the patronage of Unesco.

## **PROFESSIONAL AND CONSULTING ACTIVITIES**

Since 2002 Education projects with the Mairie de Paris, in particular training for upgrading unemployed persons

2002-2009 Education projects and organisation of educational events under the patronage of Unesco, Unicef

2009 Contribution to the organisation of the workshop followed by the publication of a book «pédagogies émancipatrices» sponsored by Unesco

1993-2001 Co-organisation and participation to Mathematics workshops in France, Brazil, Chili and Argentina

1993-2002 Co-organisation and participation to Mathematics networks between France and Latino-America under the patronage of CNRS

## **EDUCATION AND QUALIFICATIONS**

1993 PhD in Mathematics, University Denis Diderot - Paris 7

1983 Masters Degree in Mathematics from Federal University of Pernambuco

## **CONTRIBUTION TO HIGHER FORMATION**

Adviser for around 50 Master Thesis on finance and development analysis (2008-2015).

## **ADDITIONAL**

Languages: Portuguese (mother tongue), French and Spanish (fluent), competence in English.

## INTELLECTUAL CONTRIBUTIONS

### Articles in scientific journals (\* = peer reviewed)

- (4)\* M. Kossaï, M./Roussel, J./Lapa de Souza, M.L. (2010) Adoption des technologies de l'information et capital humain: le cas des PME tunisiennes. *Management & Avenir*, Janvier 2010, N°31.
- (3)\* Karoubi, M./Lapa de Souza, M.L. (2006) Obstruction à la transversalité de lagrangiens. *Comptes Rendus de l'Académie des Science de Paris*, 342 (10), 759-762.
- (2)\* Lapa de Souza, M.L. (2002 ) Invariants de Maslov équivariants. *K-Theory*, 25 (3), 233-249.
- (1)\* Lapa de Souza, M.L. (1998) L'interprétation de la classe de Maslov dans la K-théorie Hermitienne et dans la théorie relative de Chern-Weil. *K-theory*, 13 (4), 347-361.

### Books and edited volumes

- (1)Lapa, M.L. (1993) L'interprétation de la classe de Maslov dans la K-théorieHermitienne et dans la théorie relative de Chern-Weil. Thèse (PhD), Université Denis - Diderot - Paris 7.

### Submitted articles

« Les déterminants d'adoption des technologies de communication et de l'information (TIC) dans les PME manufacturieres : Le cas de l'industrie électrique et électronique tunisienne ». , avec M. Kossaï, EBS-Paris.

### Statement of current and future research interests

- Diversification benefits and **International comovement of stock market returns** analysis by wavelets.

- MILA, Latin American Integrated Market (Chile, Colombia, Peru and Mexico) impact on diversification portfolio benefits.