

# CURRICULUM VITAE

## CIVIL STATUS AND ADDRESS

Name: **Mrs MBOUSSI NKOMIDIO Aissatou,**

Born on the 16 April 1980 at Gueboba, Cameroon

Cameroonian, unmarried without child.

Laboratory of Modelling and Simulation in

Engineering and Biological Physics,

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## ❖ ACADEMIC TRAINING COURSE

### ❖ Diploma:

- **2006 until now: Ph.D. student** in the Department of Physics, Faculty of Science, University of Yaoundé I, Cameroon. Option: **Modelling and simulation in biological physics.**
- **2004-2005: Diploma with Thesis "D.E.A" of Physics**, Department of Physics, Faculty of Science, University of Yaoundé I, Cameroon. Option: **Mechanics.** Grade: **Good.**
- **2003-2004: Master's Degree in Physics (MS.c)**, Department of Physics, Faculty of Science, University of Yaoundé I, Cameroon. Option: **MECHANICS.** Grade: **Fairly Good.**
- **1998-2003: Bachelor's Degree Diploma of Physics**, Department of Physics, Faculty of Science, University of Yaoundé I, Cameroon. Grade: **Fairly.**
- **1997-1998: G.C.E advanced level**, Government Secondary school of Bafia, Cameroon. Grade: **Fair.**

### ❖ Scientific Dissertations:

- **Since 2006: - PhD thesis** under the supervision of **Prof Woafu Paul.** Title:

## **Effects of Defects and Exposure to Electromagnetic Field on the Generation and Propagation of Action Potential in Nerve Fibres.**

- **2004-2005:** - Thesis of Diploma "DEA" under the supervision of **Prof Woafu Paul**. Title: **Propagation of Nervous Impulse on Myelinated Fibre.**

### **❖ FIELD OF RESEARCH**

Nonlinear Physics, nonlinear modelling, numerical Simulations of real physical systems with applications in Biological system.

### **❖ PUBLICATION IN INTERNATIONAL JOURNAL SUMITTED**

**A. Mboussi Nkomidio** and P. Woafu "*Effects of imperfection of ionic channels and exposure to electromagnetic fields on the generation of front waves in nervous fibre*", Commun. Nonlinear Sci. Numer. Simulat. 15 (2010) 2350–2360.

**A. Mboussi Nkomidio**, S. Noubissie and P. Woafu "*Dynamics Conduction failure in myelinated fibers due to demyelination and imperfection of ionic channels*", Phys.Rev. E (Submitted)

**A. Mboussi Nkomidio** and P. Woafu "*Propagation of front waves in myelinated nerve fibres: New electrical transmission lines constituted of linear and nonlinear portions*". Biol. Syb. (Submitted).

### **❖ PARTICIPATION OF SEMINARS, SCHOOLS OR CONFERENCES**

1- March 28 – April 03, 2006: Schools on

- ***School on modelling of transcriptional regulation networks.***
- ***School on modelling of the onset of virulence of a pectinolytic bacteria***
- ***School on linear response of chaotic systems and transmission of signals in a dynamical network***

at the Laboratory of Nonlinear Modelling and Simulation in Engineering and Biological Physics, University of Yaoundé by **Prof. Jacques Alexandre Sepulchre** of the "**Institut Non linéaire de Nice**", France.

2 -February 22<sup>nd</sup> 2007:

***Représentation mathématiques et informatique des jeux africains***

At Laboratory of Modelling and Simulation in Engineering and Biological Physics, University of Yaoundé I by M. **Serge O. Mbarga**.

3- July 29-30 2008

**First Humbolt Kolleg Cameroon.** University of Yaoundé I

4- December 8-10 2009 Yaoundé- Cameroon:

1rst International Conference of Cameroon Physical Society on: '**Low cost high physics and appropriate solution to real life problems in developing countries**'

❖ **COLLABORATORS AND REFERENCES**

- **Prof Wofo Paul**, University of Yaoundé I, Cameroon,
- **Prof Kofane Timoleon Crepin**, University of Yaoundé I, Cameroon,

❖ **PRACTICAL EXPERIENCES**

**Since 2006: UNIVERSITY of Yaoundé I**

Practical and Tutorials Teachings Assistance

❖ **HOBBY AND DISTRACTION**

Reading, sport, travel, cooking, cinema...

**MBOUSSI NKOMIDIO AISSATOU**