

# 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,  
Department of Physics, University of Yaoundé I,  
url: <http://www.lamsebp.org>,  
Po Box 812, Yaoundé, Cameroon.  
Tel: (237) 96 06 56 51  
Email: aichamboussi@yahoo.fr

## ❖ 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 Woaf 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 Woafo 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 SUMMITTED**

**A. Mboussi Nkomidio** and P. Woafo “*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. Woafo “*Dynamics Conduction failure in myelinated fibers due to demyelination and imperfection of ionic channels*”, Phys.Rev. E (Submitted)

**A. Mboussi Nkomidio** and P. Woafo “*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 Humboldt 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 Woafé 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**