

CV MAFO FOMEKONG

CIVIL STATUS

Name : **MAFO FOMEKONG Flora**

Date and place of birth : **17/12/1982 at Bafoussam (Cameroon)**

Sex : **Female**

Marital Status : **Single**

Religion : **Christian**

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EDUCATION

INSTITUTION	FROM - TO	DEGREE	MAJOR SUBJECTS
University of Yaounde I, Cameroon	2008 - To date	Ongoing PhD expected by 2013	Vector control and Environmental Management
Ecole Normale Supérieure de Yaounde	2005 - 2007	Masters of education (MEd)	Life and Earth Sciences
University of Yaounde I, Cameroon	2005 - 2007	Masters (MSc) with thesis	Ecotoxicology and Environmental Microbiology (Hydrobiology and Environment)
University of Yaounde I, Cameroon	2003 - 2004	Maîtrise	(Hydrobiology and Environment)
University of Buea, Cameroon	2000 - 2003	BSc (Hons)	Microbiology (major) Medical Laboratory Technology (minor)
GHS Bana, Cameroon	1999 - 2000	Baccalauréat "D"	Natural sciences and mathematics

LANGUAGE PROFICIENCY

LANGUAGE	WRITTEN	SPOKEN	UNDEERSTOOD
English	Excellent	Excellent	Excellent
French	Excellent	Excellent	Excellent
Spanish	Average	Average	Average
Pidgin	-	Good	Good
Language of signs(for deaf)	Good	Average	Average
National languages (pidgin ngomba, ngombale, fefe)	-	Good	Excellent

WORK AND RESEARCH EXPERIENCE

- MINISTRY OF TERRITORIAL ADMINISTRATION/WHITE DOVE COMPANY, December 2013 to January 2014.** *Assignment to update two (02) Disaster Relief Organization Plans (ORSEC) for Wouri and Boyo, Divisions of Cameroon.* Disaster management Consultant: Collected additional data in Boyo Division; provided analysis of natural and manmade disasters; wrote scenarios of occurrence of some disasters
- MINISTRY OF TERRITORIAL ADMINISTRATION/WHITE DOVE COMPANY, December 2013 to January 2014.** *Cameroon Civil Protection Report.* Disaster management consultant: wrote a chapter on health-related disasters and another on the vulnerability of women and children in refugee camps in East Cameroon.
- PLAN CAMEROON/ WHITE DOVE COMPANY, July – October 2013.** *Organisational Capacity Assessment of Civil Society Organisations partnering with PLAN Cameroon in the “Scaling up Malaria Control for Impact in Cameroon 2011-2015” (SUFU) Project.* Expert Evaluator: Trained other team members, conducted a team on the field, with 10 CSOs evaluated in as many Health Districts in the North and Far North of Cameroon
- PSI/ACMS/WHITE DOVE COMPANY, June –July 2011.** *Projet d’étude des connaissances, attitudes et pratiques vis-à-vis du VIH SIDA dans la 3^{ème} région militaire du Cameroun.* **Field supervisor:** administrative arrangements, data collection and processing, report writing.
- USAID/FHI360/GVF Inc., subcontractor to FHI360** (under the Global Avian Influenza and Zoonotic Behavior Change and Communication Support Activity – PREVENT for the United States Agency for International Development (USAID) Client Associate Award No.: GHN-A-00-09-00002-00 under Leader Award (C-Change) No. GPO-A-00-07-00004-00) **Market ethnography. Social Science Specialist:** conducted behavioral research. Provide technical input into a range of knowledge generation activities, with a specific focus on formative field research and behavioral change strategies; Oversaw and coordinated a local field team of interviewers in conducting participatory research in bush meat markets; Supported the research and evaluation components of GVF, Inc. field implementation activities.

- **REFOTDE/ UNIVERSITY OF GHENT BELGIUM, April 2010 to date** Field efficacy testing of Novel release system and bio-based utilities of mosquito repellent in Muyuka. *Grant Agreement Number: 2239 - FP7-NAP-2009-SME-2*. Environmental assessment of acute and delayed toxicity of compounds prior to field testing.
- **USAID/AED/GVFI/WHITE DOVE COMPANY, October 2010 to February 2011.** *Formative Study on Hunting and Food Preparation Practices and Human and Wildlife Health in Rural Cameroon*. Study sites: Nguti Subdivision, villages around the KORUP national park (ABAT, MGBEGATI, ETINKEM).
- **Ministry of Transport/ White Dove Company, December 2010- may 2011.** *Recyclage et sensibilisation des conducteurs automobiles professionnels des axes routiers du triangle Yaoundé- Douala- Bafoussam*. Conducted focus group discussions, analyzed qualitative data and did report writing.
- **Ministry of Transport/ White Dove Company, Oct. 2009 to march 2010.** *Mission de renforcement des capacités des acteurs intervenant dans la sensibilisation des usagers de la route*. Project expert in charge of conducting focus group discussions, in depth interviews, qualitative data analysis and report writing.
- **WHO/TDR/REFOTDE, March 2010.** *Geomapping of loasis in Cameroon using the Rapid Assessment for Loasis (RAPLOA) tool and GPS*. **Consultant:** Supervised data and geographical coordinates collection in 94 communities of the North and Adamaoua regions;
- **CEPID/ White Dove Company, Consultant: Assessing the needs of HIV patients on ARV treatment in Cameroon.** Pilot phase in Mbalmayo, 2009. Design, organisation of the study and report writing.
- **UNDP/MINATD/White Dove Company, December 2008- February 2009.** PLAN ORSEC, Menchum division, North West province, **Consultant:** Qualitative data analysis. Audio data transcription, treatment and subsequent analysis using **ATLAS Ti** software.
- **IRD/ REFOTDE, june-july 2008.** RESONIV project (*Resistance of Onchocercavolvulus to IVermectin treatment*): Digestion of nodules, crushing of Onchocercavolvulus worms, DNA extraction and PCR amplification.
- **UNDP/MINATD/White Dove Company / White Dove Company, Consultant** in charge of qualitative and quantitative data collection in the North and Far North provinces (Garoua, Maroua, Kousseri) for the Annual report on civil protection "Rapport sur l'état de la protection civile au Cameroun 2008", published by the Department of Civil Protection , MINATD.
- **CEPID/ White Dove Company, 2008.** *Extension project of the « SOS Village d'enfants » Health Centre in Ngallan-Mbalmayo (VESOS)*. **Consultant**, in charge of evaluating patients' expectations in terms of the typology and quality of services rendered so far as well as those needed, report writing.
- **IRD-FSP-PCST, 2007-2008.** *"Environmental assessment of Wetlands in Yaoundé: impact on the environment and population's health"* **Project facilitator:** Design, prepare, and conduct fieldtrips and laboratory analysis, coordinates reports write up, scientific animation.

- **WHO/TDR/REFOTDE**, September 2007. *Evaluation of Community Directed Intervention (CDI) directed towards the distribution of vitamin A, antimalarial drugs and impregnated bed nets to pregnant women and households with children under 5 years in 50 remote villages of the West province of Cameroon.* **Research assistant:** Data collection on the field and subsequent data entry in Epi info templates .
- **GERCIS/INSERM/CNRS**, December 2006 - march 2007. The EVAL project, *"Evaluation of the Cameroonian programme of access to ARVs: impact on the management of patients and the living conditions of the people infected by HIV/AIDS"*; **Survey agent:** Interviewed patients, (Buea Provincial Hospital and Provincial Hospital Bamenda), Administering questionnaires to health personnel, Codification of booklets for statistical analysis.
- **WHO/TDR/REFOTDE**, December 2004. RAPLOA in Cameroon (East Province). RAPLOA stands for Rapid Assessment Procedure for Loa loa. As a **team leader**, I was coordinating data collection on the field, and summarizing data of the survey in the different communities visited. About 4 villages were visited each day with about 100 adult individuals sampled per village.

COMPUTER SKILLS

Adequate computer experience with in statistical software:

- S.P.S.S.,
- Epi Info,
- Excel,
- ATLAS TI,
- Mapinfo,
- ArcGis (Geographical Information System)

Good practical knowledge in **Bioinformatics** and others: microsoft office, internet.

FIELD AND TECHNICAL APTITUDES

- GPS use and cartography,
- Environmental assessment (water and soil analysis for decision making)
- Ecotoxicology
- Multipurpose water sampling (lakes, rivers, streams, rain pools, etc.)
- Physicochemical analysis of water
- Techniques in qualitative and participatory Action Research (PAR) methods: focus group discussions (FGDs), individual interviews, pile sorts, matrices/rankings, seasonal diagrams, village mapping, transect walks, and observations.
- Social mobilizations, interviews, Focus group discussions, negotiations with authorities,

- Elaboration of data collection tools (questionnaires, structural, semi-structural, opened questions, record sheets, others) and implementation (interviews, focus group discussion, social mobilization, surveys),
- Qualitative and quantitative data analysis with SPSS, EXCEL, EPI INFO, ATLAS Ti
- PCR techniques and genotyping of malaria and Onchocerciasis vectors and parasites,
- Collection, in vitro cultivation (rearing) of larvae,
- Morphological identification of larvae and adult mosquitoes,
- Dissection of adult mosquitoes, frogs, toads, guinea pigs, fishes, chickens.

THESES, PUBLICATIONS AND REPORTS

- 1) S. Wanji, **F.F. Mafo**, N. Tendongfor, M.C. Tanga, F. Tchuente, C.F. BilongBilong, T. Njine 2009. Spatial distribution, environmental and physicochemical characterisation of *Anopheles* breeding sites in the Mount Cameroon region. *J. Vector Borne Disease*, 46.pp 75-80.
- 2) **Mafo F.F.**, Wanji S., Tanga M.C., Njine T. ‘High adaptation abilities of *Anophelesgambiae* to contrasting environmental conditions: a serious threat to malaria control efforts’, *Toxicology Letters*, vol.189 p. S247.
- 3) **MafoFomekong Flora, 2010.** *Catastrophes medico-sanitaires : La résurgence du choléra dans le septentrion.* Rapport sur l’état de la Protection Civile au Cameroun (REPC) **PNUD/UNICEF/CNRS/SNH/FEICOM/MINATD.**
- 4) **Mafo F.F.**, Tchuente S., « Managing Wetlands in urban settings: the case of Yaoundé in Cameroon». *Rapport de fouilleCjrd-AVSDE, IRD Cameroon, June 2007.*

CONFERENCES AND SEMINARS ATTENDED

- 1- Attended the Mycored Conference in Cape Town South Africa, April 2011.
- 2- **Mafo F.F.**, Wanji S., Tanga M.C., Njine T. ‘High adaptation abilities of *Anophelesgambiae* to contrasting environmental conditions: a serious threat to malaria control efforts’ **poster presentation** at the EUROTOX conference held in Dresden, Germany in October 2009.
- 3- **Mafo F.F.**, Wanji S., Tanga M.C., Njine T. ‘High adaptation abilities of *Anophelesgambiae* to contrasting environmental conditions: a serious threat to malaria control efforts’ **poster presentation** at the 2009 Africa Education Initiative international (NEF) conference held in Nigeria in June 2009.
- 4- **Mafo F.F.**, Wanji S., Tanga M.C., Njine T. ‘Malaria Transmission Risk Assessment and Control in the Mount Cameroon Region: Environmental and Physicochemical Characterisation of *Anopheles* Breeding Sites’ **oral presentation** at the International Ecohealth Forum in December 2008.
- 5- **Mafo F.F.**, Wanji S., Tanga M.C., Njine T “Malaria transmission risk assessment and control in the Mount Cameroon region: environmental and physicochemical

characterisation of Anopheles breeding sites”, **poster presentation** at the 6th Pan African Environmental Mutagen society (PAEMS) conference, 2nd to 5th November 2008, Cape Town International Convention Centre, CTICC, South Africa.

- 6- **F.F. Mafo**, S. Wanji, M.C. Tanga, T. Njine. “Physicochemical characterisation of *Anopheles* breeding sites: influence on their distribution and densities” **oral presentation** at the Cameroon Society for Toxicological Sciences (CSTS) conference, November 2007, Buea Cameroon (CSTS) conference, November 2007, Buea Cameroon.

SEMINARS AND WORKSHOPS

- **Certification courses** organised by the Cameroon Society of Toxicological Sciences (CSTS) on:
 - 1- *“the use of multivariate ordination methods to analyse ecotoxicological data”* key speaker Dr. Paul Van Den Brink; SETAC Europe, Wageningen University;
 - 2- *“Pesticides risk assessment”* key speaker Dr. Yogeshkumar S Naik, National University of Science and Technology, Zimbabwe;
 - 3- Attended an ECOHEALTH/IDRC **workshop** on Eco health Approach and Human Health, organized in December 2008;
 - 4- Attended a training **course** on 'approche GIRE et gestion des ressources en Eau' organized by 2EI Burkina Faso and held at CRESA, Yaounde, Cameroon;
 - 5- Community Directed Intervention progress report presented by the Research Foundation in Tropical Disease and Environment (REFOTDE) research team/ David Taylor (WHO, Geneva), at REFOTDE headquarters, September 2007, Buea, Cameroon;
 - 6- Biochemistry in Onchocerciasis treatment, WHO/TDR/ University of Buea seminar. Key speaker; Bernadette Ramirez (WHO/TDR, Department of Scientific research), September 2007, University of Buea;
 - 7- Using ATLAS Ti in the analysis of quantitative data, at REFOTDE, Buea, Cameroon, Sept. 2006;
 - 8- Using spss software in statistical analysis, held at REFOTDE, Buea, Cameroon August 2005
 - 9- **Training course** on *‘Integrated Management of Water Resources’* organized by 2EI Burkina Faso and held at CRESA, Yaounde, Cameroon;

SCIENTIFIC AFFILIATIONS

- Society of Toxicology (SOT) Student member
- British Ecological Society (BES), student member
- Africa education initiative (NEF)
- Student Global Aids Campaign (SGAC), Technical advisor, Cameroon Chapter.
- Hydrobiology and Environment Researchers and Students Association (HERSA), Secretary
- BUMSA (Buea University microbiology students association)

OTHER AFFILIATIONS

- **2004:** Yaoundé I University Music (YUM) club, University of Yaoundé.
- **2003:** member of BINAM BUEA in charge of cultural activities.

- **2002:** University of Buea Orchestra participated in 2 sessions of UNIFAC (University Festival of Arts and culture).
- **2000-2002:** Hand-ball team, University of Buea, 2 sessions of the University games (Ngaoundere and Douala).

AWARDS, HONORS, PATENTS

- Capacity building (05 days training) on Pesticides Risk Assessment and the Use of Multivariate Ordinate method to analyze Ecotoxicological data by the Cameroon Society of Toxicological Sciences (CSTS), November 2007.
- "*Women in sciences*" prize by the Ministry of Higher Education, Cameroon to female science students with outstanding academic records in National Universities, University of Buea. October 2002.

HOBBIES

Travelling, reading, singing, dancing, jogging