

Names and Surname: **Albert Donatien Atsamo**

Date and Place of Birth: **July 19th 1975 Cameroon**

Gender: **Male**

Citizenship: **Cameroonian**

Marital status: **Married, 1 children**

Occupation: **Senior Lecturer-Researcher**

Permanent Address: **University of Yaoundé I, Faculty of Science, Department of Animal Biology and Physiology, P.O. Box 812-Yaoundé-Cameroon**

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Education

April 2016, PhD in Animal Physiology (Cardiovascular Physiology and Pharmacology) (With Distinction),

University of Dschang-Cameroon, Faculty of Science, Department of Animal Biology.

Thesis: "Cholinergic-like cardiovascular effects and toxicological profile of the aqueous and methanolic extracts from the stem bark of *Erythrina senegalensis* (Fabaceae) in some experimental animals". Thesis Supervisor: Prof. Albert Kamanyi, PhD.

August 2006, MSc in Animal Physiology (With Distinction),

University of Dschang-Cameroon, Faculty of Science, Department of Animal Biology.

Thesis: "Anticonvulsivant effects of aqueous and methanolic extracts from the leaves of *Phragmanthera capitata* S. Balle (Loranthaceae) and the stem bark of *Spathodea campanulata* P. Beauvais (Bignoniaceae)". Supervisors: Prof. Albert Kamanyi, PhD & Prof. Dr. Telesphore Benoît Nguenefack, PhD.

October 2002 Post-Graduate Diploma (With Distinction),

University of Dschang-Cameroon, Faculty of Science, Department of Animal Biology.

Thesis: "Anticonvulsivant effects of methanol/ methylen chloride extract from the leaves of *Kalanchoe crenata* (Crassulaceae) in rat". Supervisors: Prof. Albert Kamanyi, PhD & Prof. Dr. Telesphore Benoît Nguenefack, PhD.

September 2001 BSc in Zoology

University of Dschang-Cameroon, Faculty of Science, Department of Animal Biology.

Honors and Awards

- 2011** 2nd good poster presentation during the third Life Science Conference, University of Dschang-Cameroon.
- 2008-2010** Agence Universitaire de la Francophonie (AUF) Doctoral scholarship at the Felix Houphouët Boigny University, Abidjan-Ivory Coast.
- 2006** Best MSc student in Animal Physiology (2006 MSc graduation), Animal Biology, Department, University of Dschang-Cameroon.
- 2002** Best Post-Graduate Diploma student in Animal Physiology (2002 Post-Graduate Diploma graduation), Animal Biology Department, University of Dschang-Cameroon.
- 2001** 2nd Best BSc student in Animal Biology Department (2001 BSc graduation), Animal Biology Department, University of Dschang-Cameroon.

Research and Employment Experiences

Nov 2016 – Now: Senior Lecturer and Researcher at the Department of Animal Biology and Physiology, Faculty of Science, University of Yaoundé 1-Cameroon.

2016 – Now: Part-time teacher of general Physiology at the private University: «Institut Universitaire de la Côte » at Douala.

Dec 2011 - Nov 2016 : Assistant Lecturer and Researcher at the Department of Animal Biology and Physiology, Faculty of Science, University of Yaoundé 1-Cameroon.

2013 – 2014: Part-time teacher of endocrinology and pharmacology at the Yaoundé Millenium Nursing school.

2014: Part-time teacher of respiratory physiology and neurophysiology at the Yaoundé INSAM-Institute.

2006 - Dec 2011: Practicals instructor at the Department of Animal Biology, Faculty of Science, University of Dschang-Cameroon.

2001 – 2016: Researcher at the Laboratory of Animal Physiology and phytopharmacology, University of Dschang- Cameroon. Project: « Neuro and cardio-phytopharmacological effects of medicinal plants from Cameroon »

Invited Talks / Participation

- 1- Wado KE, **Atsamo AD**, Watcho P, Nguelefack TB: Acute and Sub-chronic oral administration of aqueous leaf extract of *Kalanchoe crenata* (Crassulaceae) is devoid of toxicity. 4th Life Sciences Conference, University of Dschang-Cameroon, 07-08 August 2014.
- 2- Wansi SL, Djoko KS, **Atsamo AD**, Ngape RA, Nguelefack-Mbuyo EP, Fofie KC, Kamanyi A : Diuretic Activity and Toxicological Assessment of the Aqueous Extract from the Aerial Part of *Commelina diffusa* (Commelinaceae) in Rats. 4th Life Sciences Conference, University of Dschang-Cameroon, 07-08 August 2014.
- 3- **Atsamo AD**, Nguelefack-Mbuyo EP, Dimo T, Kamanyi A, Nguelefack TB: Endothelium/NO dependant cardiovascular effects of the aqueous extract from the stem bark of *Erythrina senegalensis* (Fabaceae): Evidence from in vivo and in vitro studies. 4th Life Sciences Conference, University of Dschang-Cameroon, 07-08 August 2014.
- 4- Nembo NE, **Atsamo AD**, Nguelefack TB, Hescheler J, Kaanyi A, Nguemo F: Effects of the aqueous extract of *Erythrina senegalensis* DC (Fabaceae) on cardiac stem cells embryology and regeneration. 4th Life Sciences Conference, University of Dschang-Cameroon, 07-08 August 2014.
- 5- Fokem S, Fouedjou TR, Tapondjou AL, **Atsamo AD**, Nguelefack TB: Comparative cytotoxicity of extracts from the leaves and stem bark of *Agauria salicifolia* (Ericaceae) on *Artemia salina* larvae. 4th Life Sciences Conference, University of Dschang-Cameroon, 07-08 August 2014.
- 6 - **A.D. Atsamo**, T.B. Nguelefack, A.S. Néné-Bi, P. Nyadjou, L.K. Kouakou, J.Y. Datté, A. Kamanyi "Blood Pressure lowering effects of the aqueous extract from the stem bark of *Erythrina senegalensis* DC (Fabaceae) in rats" Third Life Science Conference, University of Dschang-Cameroon, 26-28 may 2011
- 7- **Atsamo AD**, Nguelefack TB, Fofié KC, Nguelefack-Mbuyo PE and Kamanyi A "In vitro antioxidant activity of aqueous extract from the seeds of *Aframomum pruinosum* " Third Life Science Conference, University of Dschang-Cameroon, 26-28 may 2011.
- 8- **Albert D. Atsamo**, Téléphore B. Nguelefack, Jacques Y. Datté, Albert Kamanyi: "Assessment of the acute and subchronic oral toxicity of the methanol extract from the stem bark of *Erythrina senegalensis* DC (Fabaceae) in rodents" Third Conference of the Cameroon Society for Toxicological Sciences 2-4 june 2011, Buea- Cameroon
- 9- Paulin Nyadjou, Alain Bertrand Dongmo, Telesphore Nguelefack, **Albert Donatien Atsamo**, Albert Kamanyi: Assessment of antihypertensive properties and lipid lowering potential of the stem bark extract of *Cinnamomum zeylanicum*. Third Life Science Conference, University of Dschang-Cameroon, 26-28 may 2011
- 10- S.L Wansi, C.K Fofié, T. Nolé, P.Nyadjou, **A.D Atsamo**, A. Kamanyi, T.B. Nguelefack: Hypoglycemic and cardiovascular properties of the aqueous extract from the stem bark

of *Ceiba pentandra* on dexamethasone-induced insulin resistant rats. Third Life Science Conference, University of Dschang-Cameroon, 26-28 may 2011

- 11- TB Nguelefack, F peyembouo, CK Fofié, **AD Atsamo**, E.Nguelefack-Mbuyo, P Nyadjeu, P watcho and A. Kamanyi. Onset of cardiovascular diseases in dexamethasone treated rats. Third Life Science Conference, University of Dschang-Cameroon, 26-28 may 2011.
- 12- TB. Nguelefack, LAP. Azonpi, E.P.Nguelefack-Mbuyo, **AD Atsamo**, P Nyadjeu, A. Kamanyi: Effects of the aqueous and methanol extracts from the leaves of *Chromolaena odorata* on blood pressure and renal function in L-NAME hypertensive rats. Third Life Science Conference, University of Dschang-Cameroon, 26-28 may 2011.
- 13- **Atsamo AD**, Nguelefack TB, Datte JY and Kamanyi A: "Cardiac Effects of the Aqueous Extract from the stem bark of *Erythrina senegalensis* (Fabaceae) in rodents" 17 th annual conference of the Cameroonain Society of Biosciences, 30 Nov-04 Dec 2010 Bagangté-Cameroon.
- 14- **Atsamo AD**, Nguelefack TB and Kamanyi A: "Anticonvulsant effects of aqueous and methanol extract from the stem barks of *Spathodea campanulata* (Bignoniaceae)". Fourteenth Annual Committee of Biosciences, Bambili, 10-12 December 2007.
- 15- **Atsamo AD**, Nguelefack TB and Kamanyi A: "Anticonvulsivant effects of some drugs association in rat" Eleventh Annual Committee of Biosciences, Dschang 16-18 December 2004.

Participant to the Essential Grants Writing Skills Workshop initiate by the African Research fund held from 22-24 May 2017, Dakar-Senegal.

Participant to the Pedagogic Seminar organised by the University of Yaoundé I on the topic "l'Enseignement, l'apprentissage et l'évaluation: enjeux d'une demarche qualité" 12-14 February 2014.

Participant to the Pedagogic Seminar organised by the University of Yaoundé I on the topic "To Teach and to evaluate at the University of Yaoundé I, 28-30 January 2013

Participant to Conference on "Cameroon Traditional Medicine, Yesterday, Today and Tomorrow" organised by the Cameroon Bioethics Initiative (CAMBIN) on 14th December, 2013 at Yaoundé-Cameroon.

Participant to the 5th IBRO Teaching Tools Workshop, Durban, South Africa, 8-13 September, 2012

Participant to the conferences organized by the Cameroon Forum for Biological Sciences (CAFOBIOS), University of Dschang January 2008, May 2009, May 2011, august 2014, august 2016.

Participant to the Second conference of the Cameroon Society for Toxicological Sciences (CSTS), University of Dschang August 2009.

Participant to the academic workshop in preparation to the 2nd Cameroonian Student Brain Trusts organised by the Cameroonian Ministry of Higher Education, University of Yaoundé I, July 2004.

Techniques and Skills

Selected analytical techniques

- Collection, extraction and Fractionation of medicinal plants
- Neuropharmacological evaluation of medicinal plant
- Cardiovascular phytopharmacology (Blood pressure measurement by direct and indirect techniques, Vasomotricity measurement, Electrocardiogramme analysis)
- Plant toxicity evaluation

Computer skills

Microsoft office, Graph Pad prism

Languages: Fluent in French and English

Society Memberships and Journal Editorial Boards

- 2017 - Now:** Reviewer for Cameroon Journal for Biological and Biochemical Sciences (CJBBS)
- 2009 - Now:** Member of the Cameroon Forum for Biological Sciences (CAFOBIOS)
- 2004 - Now:** Member of the Cameroon Bioscience Society (CBS)

Publications

- 1- Nguelefack TB, Nana P, **Atsamo AD**, Watcho p, Tapondjou L, Dimo T and Kamanyi A (2006). "Analgesic and anticonvulsant effects of extracts from the leaves of *Kalanchoe crenata* (Andrews) Haworth (Crassulaceae)". *Journal of Ethnopharmacology* 15, 106 (1): 70-75
- 2- Nguelefack TB, Feumebo CB, Ateufack G, Watcho P, Tatsimo S, **Atsamo AD**, Tane P, Kamanyi A (2008). Anti-ulcerogenic properties of the aqueous and methanol extracts from the leaves of *Solanum torvum* Swartz (Solanaceae) in rats. *J Ethnopharmacology*, 119 (1):135-40.
- 3- **Atsamo AD**, Nguelefack TB, Datté JY and Kamanyi i A (2011). "Acute and subchronic oral toxicity assessment of the aqueous extract from the stem bark of *Erythrina senegalensis* DC (Fabaceae) in rodents" *Journal of Ethnopharmacology* 134: 697-702.
- 4- Wansi, Sylvie L.; Nyadjeu, Paulin; Nguelefack, Télésphore Benoît; Fodouop, Siaka F. K.; **Atsamo Albert Donatien** and Kamanyi, Albert (2012) "In vivo Antioxidant and Vasodilating Activities of *Gmelina arborea* (Verberaceae) Leaves Hexane Extract," *Journal of*

Complementary and Integrative Medicine: Vol. 9: Iss. 1, Article 26. DOI: 10.1515/1553-3840.1623.

- 5- Paulin Nyadjeu., Elvine Nguelefack-Mbuyo Pami., **Albert Donatien Atsamo**, Telesphore Benoit Nguelefack., Alain Bertrand Dongmo., Albert Kamanyi (2013). Acute and chronic antihypertensive effects of *Cinnamomum zeylanicum* stem bark methanol extract in L-NAME-induced hypertensive rat. **BMC Complementary and Alternative Medicine**. **13**, 27 doi: 10.1186/1472-6882-13-27.
- 6- **Albert Donatien Atsamo**, Anthelme Semi Néné-Bi, Léandre Kouakou Kouakou, Christian Fofie Kueté, Paulin Nyadjeu, Jacques Yao Datté, Albert Kamanyi and Télésphore Benoît Nguelefack (2013). Cardiovascular and antioxidant effects of the methanol extract from the stem bark of *Erythrina senegalensis* (Fabaceae). **Journal of Physiology and Pharmacology Advances** 3(4): 110-120 doi: 10.5455/jppa.20130430124448
- 7- Sylvie Lea Wansi, Serges Kamdem Djoko, **Albert Donatien Atsamo**, Rodrigue Akoue Ngape, Elvine Pami Nguelefack-Mbuyo, Christian Fofie, Hubert Donfack, Telesphore Benoit Nguelefack, Albert Kamanyi (2014): Diuretic Activity and Toxicological Assessment of the Aqueous Extract from the Aerial Part of *Commelina diffusa* (Commelinaceae) in rats. **Pharmacologia** 5 (5): 184-190.
- 8- Christian Kuete Fofie, **Sylvie Léa Wansi**, **Elvine Pami Nguelefack-Mbuyo**, **Albert Donatien Atsamo**, Pierre Watcho, Albert Kamanyi, Tsabang Nole, Télésphore Benoît Nguelefack (2014). In vitro anti-hyperglycemic and antioxidant properties of extracts from the stem bark of *Ceiba pentandra*. **Journal of Complementary and Integrative Medicine** 11(3):185-193. DOI:10.1515/jcim-2014-0031
- 9- Erastus Nembo Nembo, **Albert Donatien Atsamo**, Télésphore Benoît Nguelefack, Albert Kamanyi, Jürgen Hescheler, Filomain Nguemo (2015): In vitro chronotropic effects of *Erythrina senegalensis* DC (Fabaceae) aqueous extract on mouse heart slice and pluripotent stem cell-derived cardiomyocytes. **Journal of Ethnopharmacology** **165**: 163-172
- 10- Gilbert Ateufack, Breuil R. Dongmo Feudjio, William Nana Yousseu, **Albert D. Atsamo**, Albert Kamanyi (2015): Ulcer Protective and Ulcer Healing Activities of Aqueous and Methanolic Extracts of Leaves of *Rumex Bequaertii* De Wild (Polygonaceae) in Rats. **Journal of Biology and Life Science**, 6 (2).
- 11- Nolé T, **Atsamo A**, Tsafack TJE, Donfagsiteli N, Clement GY, et al. (2017) Medicinal Uses and Natural Availability of Three Plant Species in Selected Ecosystems in Cameroon. **J Anal Pharm Res** 4(4): 00110. DOI: 10.15406/japlr.2017.04.00110
- 12- **Atsamo AD**, Nembo NE, Nyadjeu P, Nguemo F, Heschler J, Kamanyi A, Nguelefack TB (2017). Cholinergic-like cardiovascular effect of the stem bark aqueous extract of *Erythrina senegalensis* (Fabaceae) in some experimental animals. Submit for publication.