

REPUBLIQUE DU CAMEROUN  
Paix – Travail – Patrie

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MINISTRE DE LA RECHERCHE  
SCIENTIFIQUE ET DE L'INNOVATION

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INSTITUT DE RECHERCHES  
MEDICALES ET D'ETUDES DES  
PLANTES MEDICINALES



REPUBLIC OF CAMEROON  
Peace – Work – Fatherland

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MINISTRY OF SCIENTIFIC RESEARCH  
AND INNOVATION

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INSTITUTE OF MEDICAL  
RESEARCH AND MEDICINAL  
PLANT STUDIES

## PUBLICATIONS SCIENTIFIQUES DES CHERCHEURS DE L'IMPM AU COURS DE L'ANNÉE - 2015 - 45 publications -

### Programme recherche médicale (14)

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1. **Nkengazong L.**, Tombi J., **Adamou M.**, Essomba A.J.S., **Nyemkuna N.I.**, **Moyou-Somo R.**, (2015). Relationship between intestinal parasitic infections and anemia among school children of Yoro villages, Central region, Cameroon. *International Journal of Current Research and Academic Review*. 3(6), 233-245.
2. **Nyunai N.**, Abdennebi E.H., **Bickii J.**, **Manguelle-Dicoum M.A.**, (2015). Subacute Antidiabetic Properties of *Ageratum conyzoides* Leaves in Diabetics Rats. *International Journal of Pharmaceutical Sciences and Research*. 6(4), 1378-87.
3. **Kamgang R.**, Fokam T.M.A., Gonsu K.H., Noubissi P.A., Fonkoua M.C., **Essame O. J-L.**, (2015). Activity of aqueous ethanol extract of *Euphorbia scordifolia* on *Shigella dysenteriae* type 1-induced diarrhea in rats. *International Journal of Pharmaceutical Science and Drug Research*. 7(1), 40-45
4. FokamTagne MA, **Kamgang R.**, Noubissi PA, **Essame Oyono J-L.**, (2015). Activity of *Oxalis barrelieri* aqueous extract on rat secretory diarrhea and intestine transit. *Journal of Applied Pharmaceutical Science*. 5(01), 058-062, doi: 10.7324/JAPS.2015.50111.
5. **Kamgang R.**, Foyet Fondjo A, **Essame Oyono J-L.**, (2015). Effect of methanolic fraction of *kalanchoecrenata* on renal morphophysiology in adriamycin-induced impaired kidney in rats. *Int J Pharm Pharmaceut Sci*. 7(2), 89-93.
6. **Kamgang R.**, Fankem G.O., Ngo T.J., Gonsu K.H., Fonkoua M.C., (2015). Antimicrobial and antidiarrheal effects of four Cameroon medicinal plants: *Dichrocephalaintegrifolia*, *Dioscoreapreusii*, *Melenisminutiflora*, and *Tricalysiaokelensis*. *International Journal of Current Pharmaceutical Research*. 7(1), 21-24.
7. Mvongo C., **Kamgang R.**, **Minka M.**, C.S., **Mfopa A.**, **Essame O.J-L.**, (2015). Phytochemical studies and in vitro antioxidant potential of two different extracts of *Crinum jagus*. *International Journal of Pharmaceutical Science and Research*. 6(6): 2354-2359.
8. Koanga M.M.L., **Dongang N.R.R.**, Ngonon Ngane R.A., Assam A.J., Wankam M., Embolo E., Amwam Z.P.H., (2015). Seroprevalence and Factors Associated with Herpes Simplex Virus Type 2 and *Chlamydia trachomatis* among Women Attending AIDS Care Unit at the Bonassama District Hospital. *British Journal of Medicine & Medical Research*. 7(3), 224-230.
9. Nkoa T., Kuate Y.E., **Dongang N.R.**, Gonsu K.H., Ketchia F., **Moyou-Somo R.**, (2015) Comparison of Intestinal Parasitic Infection among Adults with or Without HIV/AIDS in Yaoundé and Effect of HAART and CD4 Cells Counts. *Journal of Bacteriology and Parasitology*. 6, 208.

10. Zeukeng F., Tchinda V.H.M., Bigoga J.D., Seumen C.H.T., **Ndzi E.S., Abonweh G., Makoge V.** et al, (2015) Co-infections of Malaria and Geohelminthiasis in Two Rural Communities of Nkassomo and Vian in the Mfou Health District, Cameroon. PLoS Neglected Tropical Diseases. 8(10), e3236, doi:10.1371/journal.pntd.0003236.
11. **Nkengazong L., Tombi J., Ngako Y.E., Essomba A.J.S., Makoge D.V., Ndzi E., Moyou-Somo R.,** (2015). Epidemiology of parasitic infections and anemia in rural villages in the Southwest region, Cameroon. European Journal of Scientific Research. 124 (2), 214-227.
12. Mvongo C., **Kamgang R., Minka M., Mfopa A., Essame O.J-L.,** (2015). Effect of ethanol/water extract of *Crinum jagus* on glycemia, lipids parameters and body weight gain on high-sugar diet fed rats. Indian Journal of Research in Pharmacy and Biotechnology. 2(6), 1439-1445.
13. Mvongo C., **Kamgang R., Minka M.C.S., Mfopa A., Essame O.J-L.,** (2015). Effect of ethanol-water extract of *Crinum jagus* on glycemia reactivity in dexamethasone-induced diabetic rat macapos 1. International Journal of Pharmaceutical Research and Bio-Science. 3(6), 157-167.
14. Gonsu K.H.Y., Kechia F.A., Tegankam D, Toukam M, Sando Z, **Moyou-Somo R.,** (2015). Sensibilité aux Antifongiques des Candida Spp Isolés dans les Candidoses Digestives chez les Sujets Séropositifs au VIH à Yaoundé-Cameroun. Health Sciences and Disease. 15, 3.

### **Programme sur les Plantes Médicinales et Médecine Traditionnelle (27)**

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1. Atsafack S.S., Kuate J.-R., Mouokeu R.S., Mogtomo M.L.K., **Tchinda A.T., Tamokou J.De D., Nana H.M., Etame R.M.E., Biyiti L., Ngane R.A.N.,** (2015). Toxicological studies of stem bark extract from *Schefflera barteri* Harms (Araliaceae). BMC Compl. Alternative Medecine. 15, 44, doi:10.1186/s12906-015-0581-z.
2. **Tchinda A.T.,** Mouokeu S.R., Ngono R.A.N., Ebelle M.R.E., **Mokale A.L.K., Nono D.K., Frédéric M.,** (2015). A new ent-clerodane diterpenoid from *Crassocephalum bauchiense* Huch. (Asteraceae). Natural Product Research. doi 10.1080/14786419.2015.1022541.
3. Douanla P.D., Tabopda T.K., **Tchinda A.T.,** Cieckiewicz E., Frédéric M., Boyom F.F., **Tsabang N.,** Yeboah S., Nkengfack A.E., Tchuendem. Antrocarines A-F., (2015), antiplasmodial ergostane steroids from the stem bark of *Antrocaryon klaineanum*. Phytochemistry. 117, 521-526.
4. Sauri J., Frederich M., **Tchinda A.T.,** Parella R.T., Williamson G.E., (2015). Carbon multiplicity-editing in long-range heteronuclear correlation NMR experiments: a valuable tool for the structure elucidation of natural products. Journal of Natural Product. Doi: 10.1021/acs.jnatprod.5b00447.
5. Bitchagno G.T.M., Tankeo S.B., Tsopmo A., Mpetga J.D.S., **Tchinda A.T.,** Fobofou S.A.T., Wessjohann L.A., Kuete V., Tane P., (2015). Lemairones A and B: Two new antibacterial tetraflavonoids from the leaves of *Zanthoxylum lemairi* (Rutaceae). Phytochemistry Letters. 14, 1-7.

6. **Tsabang N., Kadjob S., Mballa R.N., Yedjou C.G., Nnanga N., Donfagsiteli N.T., Tchinda A.T., Agbor G.A.,** Ntsama C., Tchounwou P.B. (2015). New Approach for the Development of improved traditional medicine: Case of a preparation of an oral hypoglycemic medicine from *Laportea ovalifolia* (Schumach. & Thonn.) Chew. (Urticaceae). *Journal of Molecular Pharmaceutics and Organic Process Research.* 3, 125, doi:10.4172/2329-9053.1000125.
7. **Sidjui L., Melong R.R. , Mahiou-Leddet V., Herbette G., Tchinda A.T.,** Ollivier E., Folefoc G.N., (2015). Triterpenes and lignans from *Kigelia africana*. *Journal of Applied Pharmaceutical Science.* 5 (Suppl 2), 001-006.
8. **Tsabang N.N., Yedjou C.G., Tsabang L.W.D., Tchinda A.T., Donfagsiteli N., Agbor G.A.,** Tchounwou P.B.B., Nkongmeneck B.A., (2015). Treatment of diabetes and/or hypertension using medicinal plants in Cameroon. *Medicinal Aromatic Plants.* S2, 003, doi:10.4172/2167-0412.S2-003
9. **Kowa T.K.,** Zofou D., Tala M.F., Wabo H.K., Tan N-H., Titanji V.P.K., Tane P., (2016). Antiplasmodial activity and Cytotoxicity of isolated Compound from the Stem bark of *Anthocleista liebrechtsiana*. *Records of Natural Products.* 10, 287-293.
10. Bitchagno G.M.M., Fonkeng L.S., **Kopa T.K.,** Talla M.F., Wabo H.K., Tume C.B., Tane P., Kuate J.-R., (2015). Antibacterial activity of ethanolic extract and compounds from fruits of *Tectona grandis* (Verbenaceae). *Complementary and Alternative Medicine.* doi. 10.1186/s12906-015-0790-5.
11. Talla E., Hadidjatou D., Njapdounke J., Nkantchoua G., **Yaya A.J.G.,** Ngah E., Ngo B.E., Mbafor J.T., (2015). Study of the anti-anxiety properties of the phaseollidin, an isoflavonoid isolated from *Erythrina droogmansiana* (Leguminosae). *World Journal of Pharmaceutical Sciences.* 9, 1763-1775.
12. Tandem G.S., **Yaya J.G., Tchinda T.A.,** (2015). Phenolic content and DPPH scavenging activity of *Carpolobia lutea* and *Anchomanes difformis*. *International Journal of Pharma Sciences and Research.* 6, 909-912.
13. Talla E., Ngatcha S., Njapounke J., Nkantchoua G., **Yaya A.J.G,** Ngo B.E., Mbafor T.J., Njintang Y.N., (2015). Anticonvulsivant and sedative like effet of abyssinone V-4'-methylether isolated from *Erythrina droogmansiana* (Leguminosae). *Journal of Applied Pharmaceutical Sciences.* 5 (10), 1-5.
14. **Yamthe L.R.T.,** Fokou P.V.T., Mbouna D.J., Keumoe R., Ndjakou B.L., **Djouonzo P.T.,** Mfopa A.N., Legac J., **Tsabang N.,** Gut J., Rosenthal P.J., Boyom F.F., (2015). Extracts from *Annona muricata L.* and *Annona reticulata L.* (Annonaceae) potently and selectively inhibit *Plasmodium falciparum*. *Medicines.* 2, 55-66, doi:10.3390/medicines 2020055
15. **Tchamgoue A.D., Tchokouaha L.R.Y., Tarkang P.A.,** Kuate J-R., **Agbor G.A.** (2015). *Costus afer* possesses carbohydrate hydrolyzing enzymes inhibitory activity and antioxidant capacity in-vitro. Evidenced based *Complementary and Alternative Medicine.* Article ID 987984, 1-10, <http://dx.doi.org/10.1155/2015/987984>.
16. **Tarkang P.A.,** Okalebo F.A., Siminyu J.D., Ngugi W.N., Mwaura A.M., Mugweru J., **Agbor G.A.,** (2015). Guantai AN. Pharmacological evidence for the folk use of Nefang: antipyretic, anti-inflammatory and antinociceptive activities of its constituent

plants BMC Complementary and Alternative Medicine. 15, 174, doi 10.1186/s12906-015-0703-7.

17. Fogha V.J., Tchamgoue A.D., Domekouo U.L.F., Tarkang P.A., Agbor G.A., (2015). *Morinda lucida* Stem Bark Protects Paracetamol Induced Liver Damage. International Journal of Pharmaceutical Science Review Research. 31 (1), 198-204.
18. Tarkang P.A., Agbor G.A., Ayong L.S., Okalebo F.A., Guantai A.N., (2015). Cytotoxicity and *in vivo* toxicological screening of a polyherbal product, *nefang*. World Journal of Pharmaceutical Research. 4 (4), 82-101.
19. Tchamgoue A.D., Tchokouaha L.R.Y., Tarkang P.A., Vinson J.A., Agbor G.A., (2015). Comparative radical scavenging properties of five spices commonly consume in Cameroon. World Journal of Pharmaceutical Research. 2015, 4 (2), 1610-1622.
20. Tchokouaha L.R.Y., Tchamgoue A.D., Okwu M.A., Odogwu O., Funmilola D., Obiechefu I., Ozobeme I., Nwayor P., Agbor G.A. (2015). Comparative antioxidant capacity of the spices of some traditional soups in Nigeria. Scholar Academic Journal of Bioscience. 3 (1B), 79-84.
21. Agbor G.A., Kotué T.C., Mouotsouo J.P., Nanfack P., Nkam M., Ngogang Y.J. "Hémodya": A Phytomedecine For Sickle Cell Disease Management In Cameroon. World Journal of Pharmaceutical Research. 4 (1), 102-112.
22. Tsouh F.P.V., Tchokouaha et al., (2015). Ethnopharmacological reports on anti-Buruli ulcer medicinal plants in three West African countries. Journal of Ethnopharmacology. 22(172), 297-311.
23. Nnanga N., Ngene J.P., Ngoule C.C., Beyina A.Y., Tchinda T.A., Mpondo M.E., (2015). Essais de formulation galénique du beurre de cacao utilisé comme complément nutritionnel. Health Science Disease. 16 (3).
24. Nnanga N., Eboumbou M.E.C., Ngene J.P., Ewoudou M.E.R., Mpondo M.M.E. (2015). Évaluation pharmacotechnique des molécules antipaludiques du marché légal et du marché illicite à Yaoundé : Cas de l'Arteméther – Luméfantrine 20/120. Health Science Disease. 2015, 16 (2).
25. Tsala D.E., Nnanga Nga, Bella N.M.T., Mballa T.B., Dimo T. Evaluation of the antioxidant activity and the healing action of the ethanol extract of *Calotropis procera* bark against surgical wounds. Journal of Interculture and Ethnopharmacology. (4), 65-68.
26. Nnanga N., Julienne N.T., Guillaume L.E-K., Abel T., Akusa-Akongnwi D., Messomo A.J., Ndjoke O.S., Ndongo D., (2015). Etude physico-chimique d'un excipient médicamenteux dans son milieu naturel : cas des eaux du haut bassin versant de la Mefou. Science Lib Editions Mersenne. 7, 150411.
27. Nnanga N., Etame S.L, Halle M.P., Dimodi H., Gueguim C., Pieme C., Ama M.V, Djokam D.R., (2015). Evaluation of Non-Enzymatic Antioxidant Levels in Men and Women in Pre and Post Hemodialysis. Ijppr. Human. 2(2), 67-78.

#### **Programme sur l'Alimentation et Nutrition (04)**

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1. Medoua N.G., Ntsama M.P., Ndzana A.A. C., Essa'a V.J., Julie J.T., Tsafack T., Dimodi H.T., (2015) Recovery rate of children with moderate acute malnutrition

treated with ready-to-use supplementary food or corn soya blend – CSB+: A randomized controlled trial. *Public Health Nutrition*.  
Doi:10.1017/S1368980015001238.

2. **Medoua N.G., Essa'a V.J.,** Tankou C.T., **Ndzana A.A.C., Dimodi H.T., Ntsama M.P.,** (2015) Validity of anthropometry- and impedance-based equations for the prediction of total body water as measured by deuterium dilution in Cameroonian haemodialysis patients. *Clinical Nutrition ESPEN*.  
<http://dx.doi.org/10.1016/j.clnesp.2015.05.006>.
3. Lopez-Teros V., Chileshe J., Idohou-Dossou N., Fajarwati T., Medoua N.G., Newton S., Kumar M.V., Wang Z., Wasantwisut E., Hunt R.J., (2015). International Experiences in Assessing Vitamin A Status and Applying the Vitamin A-Labeled Isotope Dilution Method. *International Journal of Vitamine and Nutrient Research*. 84(1), 40-51.
4. Nnanga N., **Etame S.L,** Halle M.P, **Dimodi H.,** Gueguim C., Pieme C., Ama M.V., Djokam D.R., (2015). Evaluation of Non-Enzymatic Antioxidant Levels in Men and Women in Pre and Post Hemodialysis. *Inter. Journal of Pharmacy and Pharmaceutical research*. Human Journals Research Article. 2(2).