

REPUBLIQUE DU CAMEROUN
Paix – Travail – Patrie

MINISTRE DE LA RECHERCHE
SCIENTIFIQUE ET DE L'INNOVATION

INSTITUT DE RECHERCHES
MEDICALES ET D'ETUDES DES
PLANTES MEDICINALES



REPUBLIC OF CAMEROON
Peace – Work – Fatherland

MINISTRY OF SCIENTIFIC RESEARCH
AND INNOVATION

INSTITUTE OF MEDICAL
RESEARCH AND MEDICINAL
PLANT STUDIES

PUBLICATIONS SCIENTIFIQUES DES CHERCHEURS DE L'IMPM AU COURS DE L'ANNÉE - 2017 - 55 publications -

Programme recherches médicales (20)

1. Kouotou E.A., Nansseu J.R.N., Sangare A., Moguieu B.L.L., Sieleunou, I., Adegbi H., **Moyou S.R.**, (2017). Burden of human scabies in sub-Saharan African prisons: Evidence from the west region of Cameroon. *Australasian Journal of Dermatology*. Doi: 10.1111/ajd.12540.
2. Mewabo A.P., **Moyou R.S.**, Kouemini L.E., Ngogang J.Y., Kaptue L., Tambo E., (2017). Assessing the prevalence of urogenital schistosomiasis and transmission risk factors amongst school-aged children around Mapé dam ecological suburbs in Malantouen district, Cameroon. *Infectious Diseases of Poverty*. 6(1), 40.
3. **Makoge**, V., Maat, H., Vaandrager, L., Koelen, M., (2017). Poverty-related diseases (PRDs): unravelling complexities in disease responses in Cameroon. *Tropical Medicine and Health*. 45(1), 2.
4. **Makoge**, V., Maat, H., Vaandrager, L., Koelen, M., (2017). Health-Seeking Behaviour towards Poverty-Related Disease (PRDs): A qualitative study of people living in camps and on campuses in Cameroon. *PLOS Neglected Tropical Diseases*. 11(1), e0005218.
5. Ngo N.T.N, **Nkengazong L.**, Nkoa T., **Adamou M.**, **Ngué M.**, **Motsebo A.**, **Moyou-Somo R.**, Nukenine E.N., (2017). Assessment of antihelminthic efficacy of mebendazole 500 mg against soil-transmitted helminths in a high risk area of Cameroon. *International Journal of Tropical Disease & Health*. 25(3), 1-13.
6. **Makoge V.**, Vaandrager L, Maat H, Koelen M., (2017). Poverty and health among CDC plantation labourers in Cameroon: perceptions, challenges and coping strategies. *PLOS Neglected Tropical Diseases*. 11(11), e0006100, <https://doi.org/10.1371/journal.pntd.0006100>
7. **Dongang N.R.M.**, Ngonon N.A.R., Amit K., Koanga M.M.L., Vineeta S., Mouelle S.A., (2017). Asymptomatic *Plasmodium malariae* infection in children from suburban areas in Yaoundé, Cameroon. *Parasitology International*. 67, 29-33.
8. **Dongang N.R.M.**, Ngonon N.A.R., Vineeta S., Koanga M.M.L., Pooja T., **Moyou-Somo R.**, Mouelle S.A., (2017). Genetic polymorphism of the merozoite surface protein-2 block-3 in *Plasmodium falciparum* field isolates in Cameroonian asymptomatic children: Relation to multiplicity of infection, parasitaemia and age. *EC Microbiology*. 13(1), 15-25.
9. Pahaye B.D., Ngo B.E., Taiwe S.G., Ngoupaye T.G., Sidiki N., Moto O.C., Kouemou N., Ndjapdounke K.J., **Ojong L.J.**, (2017). Neuroprotective and anti-amnesic effects of *Mitragyna inermis Willd* (Rubiaceae) on scopolamine-induced memory impairment in Mice. *Behavioural Neurology*. ID 5952897, 1-11.

10. Nkantchoua N.G.C., Njapdounke K.J.S., Fifen J.J., Taiwe S.G., **Ojong L.J.**, Kandeda K.A., Ngo B.E., (2017). Anticonvulsant effects of *Senna spectabilis* on seizures induced by chemicals and maximal electroshock. *Journal of Ethnopharmacology*. 212, 18-28.
11. Ngoune T.J.M., Njiokou F., Lorioid B., **Kame-Ngasse G.**, Fernandez-Nunez N., Rioualen C., van Helden J., Geiger A., (2017). Transcriptional profiling of midguts prepared from *Trypanosoma/ T. congolense*-positive *Glossina palpalis palpalis* collected from two distinct cameroonian foci: coordinated signatures of the midguts' remodeling as *T. congolense*-supportive niches. *Frontiers in Immunology*. 8, 876, doi:10.3389/fimmu.2017.00876.
12. Fokam T.M.A., Noubissi P.A., **Kamgang R.**, (2017). Acute and subchronic oral toxicity studies of an ethanol/water extract of *Euphorbia scordifolia* Jacq (Euphorbiaceae) in mice and in rats. *International Journal of Pharmacology, Phytochemistry and Ethnomedicine*. 7, 18-29, doi:10.18052 /www.scipress.com /IJPPE.7.18
13. **Enoh J.E.**, Thumamo P.B.D., Aniekan-Augusta O.E., Okafor I.M., Nguedia C.A., Fominyam B.T., Ngowe M.N., (2017). Drug induced hematological disorders in patients on antituberculosis drugs in the south west region of Cameroon. *European Journal of Pharmaceutical and Medical Research*. 4, 155-161.
14. Benjamin P.T., **Enoh J.E.**, Eyo A.O., Umoh N.O., Guemdjom P.W., (2017). Uric acid levels in patients on antituberculosis drugs in the southwest region of Cameroon. *International Journal of Mycobacteriology*. 5(suppl.1), doi.org/10.1016/j.ijmyco.2016.09.058, page S116.
15. Mewabo A.P., **Moyou R.S.**, Kouemini L.E., Ngogang J.Y., Kaptue L., Tambo, E., (2017). Assessing the prevalence of urogenital schistosomiasis and transmission risk factors amongst school-aged children around Mapé dam ecological suburbs in Malantouen district, Cameroon. *Infectious Diseases of Poverty*. 6(1), 40.
16. Ciaffi L., Koulla-Shiro S., Sawadogo A.B., Ndour C.T., Eymard-Duvernay S., Mbouyap P.R., Ayangma L., Zoungrana J., Gueye N.F.N., Diallo M., Izard S., Bado G., Kane C.T., **Aghokeng A.F.**, Peeters M., Girard P.M., Le Moing V., Reynes J., Delaporte E., (2017). Boosted protease inhibitor monotherapy versus boosted protease inhibitor plus lamivudine dual therapy as second-line maintenance treatment for HIV-1-infected patients in sub-Saharan Africa (ANRS12 286/MOBIDIP): a multicentre, randomised, parallel, open-label, superiority trial. *Lancet HIV*. S2352-3018(17)30069-3, doi: [http://dx.doi.org/10.1016/S2352-3018\(17\)30069-3](http://dx.doi.org/10.1016/S2352-3018(17)30069-3).
17. Hurdal R., Ndlovu H.H., Revaz-Breton M., Parihar S.P., **Nono J.K.**, Govender M., Brombacher F., (2017). IL-4 producing B cells regulate T helper cell dichotomy in type 1- and 2-controlled diseases. *Process Natural Academy Science USA*. 114(40), E8430-E8439, doi:10.1073/pnas.1708125114.
18. **Nono J.K.**, Ndlovu H., Aziz N.A., Mpotje T., Hlaka L., Brombacher F., (2017). Host regulation of liver fibroproliferative pathology during experimental schistosomiasis via interleukin-4- receptor alpha *PLoS Neglected Tropical Diseases*. 11(8), e0005861, doi:10.1371/journal.pntd.0005861.

19. **Nono J.K.**, Ndlovu H., Aziz N.A., Mpotje T., Hlaka L., Brombacher F., (2017). Interleukin-4 receptor alpha is still required after Th2 polarization for the maintenance and the recall of protective immunity of Nematode infection. *PLoS Neglected Tropical Diseases*. 11(6), e0005675, doi:10.1371/journal.pntd.0005675.
20. Brombacher T.M., **Nono J.K.**, De Gouveia K.S., Makena N., Darby M., Womersley J., Tamgue O., Brombacher F., (2017). IL-13-Mediated regulation of learning and memory. *Journal of Immunology*. 198(7), 2681-2688, doi:10.4049/jimmunol.1601546.

Programme plantes médicinales et médecine traditionnelle (23)

1. Jansen O., **Tchinda T.A.**, Louac J., Ester V., Cieckiewicz E., Ledoux A., Toukam D.P., Angenot L., Tits M., Balde M.A., Frédéric M., (2017). Antiplasmodial activity of *Mezoneuron benthamianum* leaves and identification of its active constituents. *Journal of Ethnopharmacology*. 203, 20-26.
2. Dzoyem P.J., Melong R., Tsamo T.A., **Tchinda T.A.**, Deccaux Kapche G.W.F.D., Ngadjui T.B., McGaw J.L., Eloff N.J., (2017). Cytotoxicity, antimicrobial and antioxidant activity of eight compounds isolated from *Entada abyssinica* (Fabaceae). *BMC Research Notes*. 10, 118.
3. **Toukam D.P.**, **Yamthe T.R.L.**, **Tchinda T.A.**, Boyom F.F., Mbafor T.J., (2017). Antiplasmodial, anti-inflammatory and DPPH scavenging activities of extracts of the stem barks of *Discoglypemma caloneura* (Pax) Prain. *World Journal of Pharmaceutical Sciences*. 2017, 5(6), 235-239.
4. **Abdou, J.P.**, Momeni, J., Adhikari, A., Tsabang, N., **Tchinda, T.A.**, Choudhary, M.I., Nkengfack, A.E., (2017). New coumestan and coumaronochromone derivatives from *Dalbergia boehmii* Taub. (Fabaceae). *Phytochemistry Letters*. 21, 109-113.
5. **Mokale K.A.L.**, Pawar S.R., Ngono N.R.A., Pateriya P., Pal N.P., **Tchinda T.A.**, **Agbor A.G.**, Ebelle E.R.M., Mouokeu R.S., Mouelle S.A., Gueiffer E.C., (2017). Antioxidant, analgesic and antipyretic activities of ethanol extract of the stem bark of *Dichaetanthera Africana* (Hooker F.) Jacq. Felix (Melastomataceae). *British Journal of Pharmaceutical Research*. 14(5), 1-12.
6. **Beack B.S.S.**, Ndomou M., Mpeubou C., Sone E.B., Ngono N.R.A., Tchiegang C., (2017). Effects of cooking time on some antinutrients contents and *in vitro* digestibility of leaves proteins of *Gnetum* spp. *International Journal of Nutrition and Food Sciences*. 6(2), 99-104.
7. **Beack B.S.S.**, Ndomou M., Mogtomo K.M.L., Rosalie Annie Ngono N.R.A., Tchiegang C., (2017). Ethnobotanical survey of medicinal plants used for treating preschool children anemia in an urban setting, Douala-Cameroon. *African Journal of Plant Science*. 11(5), 160-167.
8. **Nga N.E.**, Yinyang J., Baran à Bidias E., Etame G., Dibong D.S., (2017). Etude phytochimique et pharmacologique d'*Alchornea cordifolia* (Schum. & Thonn.)Mull. Arg. et de *Mangifera indica* dans le traitement traditionnel de la maladie hémorroïdaire. *Journal of Applied Biosciences*. 109, 10649-10661.
9. **Mba J.R.**, **Weyepe F.C.L.**, **Mokale A.L.K.**, **Tchamgoue A.D.**, **Tchokouaha L.R.Y.**, **Tsabang N.**, **Tarkang P.A.**, **Donfagsiteli N.T.**, **Tchinda A.T.**, **Mbita M.**, **Dongmo B.**,

- Agbor G.**, (2017). Antidiarrhoeal, antibacterial and toxicological evaluation of *Harungana madagascariensis*. *Scholars Academic Journal of Biosciences*. 5(3), 230-239.
10. **Tsabang N.**, Atsama A., Tsafack J.E., **Donfagsiteli T.N.**, Yedjou C., **Tchinda T.A.**, **Gabriel A.**, Tchounwou A., (2017). Medicinal uses and natural availability of three plant species in selected ecosystems in Cameroon (2017). *Journal of Analytical & Pharmaceutical Research*. 4(4), doi: 10.15406/japlr.2017.04.00110.
 11. **Weyepe C.L.P.**, **Hadidjatou D.**, **Zouheira D.**, **Beack B.S.S.**, **Kognou M.A.L.**, **Tchamgoue D.A.**, **Tchokouaha Y.L.R.**, **Mba J.R.**, **Tarkang A.P.**, **Agbor A.G.**, (2017). Phenolic content, antioxidant capacity and price of some red wines sold in Cameroon. *Scholars Academic Journal of Biosciences*. 5(6), 402-411.
 12. **Donfagsiteli T.N.**, (2017). Properties and applications of some algebraic transformations from the Conditional function. *Asian Research Journal of Mathematics*. 5(2), 1-25.
 13. **Kognou A.L.M.**, Ngono R.A.N., Pawar R.S., Pateriya P., Pal P.N., Ebelle E.R.M., **Tchinda A.T.**, **Agbor G.A.**, Kumar S., Mouokeu R.S., Mouelle A.S., Gueiffier C.E., (2017). Anti-inflammatory activity and bioavailability profile of ethanolic extract of *Dichaetanthera africana*. *Pharmacologia*. 8(1), 32-40.
 14. **Sidjui L.**, Eyong K.O., Hull K.G., Folefoc G.N., Leddet V.M., Herbette G., Ollivier E., Klaumeyer K., Romo D., (2017). Bioactive seco-lanostane triterpenoids from the roots of *Leplea mayombensis*. *Journal of Natural Products*. 80, 2644-2651.
 15. **Sidjui L.**, Nganso Y.O.D., Toghueo R.M.K., Wakeu B.N.K., Damene J.T., Mkounga P., Adhikari A., Lateef M., Folefoc G.N., Ali M.S., (2017). Kostchyenones A and B, new antiplasmodial and cytotoxicity of limonoids from the roots of *Pseudocedrela kotschyi* (Schweinf) Harms. *Zeitschrift für Naturforschung*. Doi.org/10.1515/znc-2017-0102.
 16. **Sidjui L.**, Soh D., Damene J.E.T., Happi B.T.H., Toghueo R.M.K., Ngouonpe A.W., Ali M.S., Folefoc G.N., (2017). Antiproliferative and cytotoxic secondary metabolites from fruits of *Leplaea mayombensis*. *Natural Products Research*. Doi 10.1080/14786419.2017.1402321.
 17. **Sidjui L.**, Malini M.P.M., Ottou M.T.A., Annadurai G., Folefoc G.N., (2017). Green synthesis and antibacterial activity of gold nanoparticles using methanolic stem barks extract of *Leplaea mayombensis*. *Journal of Nanosciences*. 11, 504-513.
 18. **Yamthe L.R.T.**, Appiah-Opong R., Fokou P.V.T., Tsabang N., Nyarko A.K., Wilson M.D., (2017). Marine algae as source of novel antileishmanial drugs: A review. *Marine Drugs*. 15, 323.
 19. **Mfopa A.N.**, Mbouna C.J., Yamthe L.R.T., Tchuenta M.A.T., Kuipou R.M.T., Fokou P.V.T., Kemgne E.A.M., Kamkumo R.G., Boyom F.F., (2017). *In vitro* and *in vivo* antiplasmodial activity of extracts from *Polyatia suaveolens*, *Uvaria angolensis* and *Monodora tenuifolia* (Annonaceae). *International Journal of Biological and Chemical Sciences*. 11(1), 15.
 20. Taffou T., Hounda J.B., Menkem E.Z., **Yamthe L.R.T.**, Mfopa A.N., Kamdem M.S., Ngouana V., Tsague I.F.K., Boyom F.F., (2017). Anti-yeast potential of some Annonaceae species from Cameroonian biodiversity. *International Journal of Biological and Chemical Sciences*. 11(1), 15.

21. **Guetchueng S.T.**, Nahar L., Ritchie K.J., Ismail F.M.D., Wansi J.D., Evans A., Sarker S.D., (2017). Kaurane diterpenoids from the fruits of *Zanthoxylum leprieurii* (Rutaceae). *Records of Natural Products*. 11, 304-309.
22. **Ejuh G.E.**, Nya T.N., Ottou M.T., Ndjaka J.M.B., (2017). Electronic structure, physico-chemical, linear and non-linear optical properties analysis of coronene, 6B-,6N-,3B3N-substituted C₂₄H₁₂ using RHF, B3LYP and Wb97XD methods. *Optical Quantum Electron*. 49, 32, doi 10.1007 :s11082-017-1221-2.
23. **Tiwa A.L.**, **Tchinda A.T.**, (2017). A density functional theory (DFT) calculation and vibrational analysis of smeathxanthone A. *Research Journal of Chemical Sciences*. 7(7), 6-10.

Programme alimentation et nutrition (10)

1. **Essa'a V.J.**, **Dimodi H.T.**, **Ntsama M.P.**, **Medoua N.G.**, (2017). Validation of anthropometric and bioelectrical impedance analysis (BIA) equations to predict total body water in a group of Cameroonian preschool children using deuterium dilution method. *Nutrire*. Doi 10.1186/s41110-017-0045-y.
2. **Ntsama M. P.**, **Ndzana A. A. C.**, **Essa'a V. J.**, **Tsafack T. J. J.**, **Medoua Nama G.**, **Mbofung F.C.M.**, (2017). Undernutrition and associated risk factors among preschool age children in Evoudoula health district, central region of Cameroon. *World Journal of Pharmacy and Pharmaceutical Sciences*. 6(7), 97-111.
3. **Gueguim C.**, **Etame S. L.**, **Dimodi T. H.**, **Halle P. M.**, **Folefack K. F.**, **Pieme A. C.**, **Nnanga N.**, **Mbacham W.**, (2017). Assessment of lipid dysfunction of patients under haemodialysis in Cameroon. *American Journal of Biomedical and Life Sciences*. 5(4), 63-68.
4. **Etame S.L.**, **Voufo A.R.**, **Dimodi T.H.**, **Kengne M.**, **Gueguim C.**, **Nnanga N.**, **Ngondi L.J.**, **Oben J.**, (2017). Prevalence and identification of serum markers associated with vertical transmission of hepatitis B in pregnant women in Yaoundé, Cameroon? *International Journal of MCH and AIDS*. 6(1), 1-6.
5. **Ngonkeu E.L.M.**, **Nwaga D.**, **Tsetchoua R.**, **Mogo A.**, **Mongoue A.F.**, **Mballa T.A.N.**, **Manet L.**, **Boyomo O.**, (2017). Effect of quercetin and pectinase on spore germination and hyphal growth of arbuscular mycorrhizal fungi and biomass production of *Nicotiana tabacum* L. and *Calopogonium mucunoides* desv. *Annual Research & Review in Biology*. 12(1), 1-11.
6. **Bonglaisin J.N.**, **Chelea M.**, **Tsafack T.J.J.**, **Lantum D.N.**, **Djiele P.N.**, **Ngondé E.M.C.**, (2017) Assessment of haemoglobin status and transplacental transport of lead and calcium during geophagy. *Journal of Nutritional Disorders and Therapy*. 7(1), 204-210.
7. **Bonglaisin J.N.**, **Tsafack T.J.J.**, **Chelea M.**, **Djiele P.N.**, **Mbofung C.M.F.**, **Lantum D.N.**, **Ngondé E.M.C.**, (2017). Effects of geophagy on hemoglobin level and iodine absorption /assimilation in albino rats. *Journal of Nutritional Disorders and Therapy*. 7 (1), 211-217
8. **Fonkoua M.**, **Ngaluh J.**, **Edoun Ebouel F.L.**, **Mbah Nteppe L.**, **Mbouobda H.D.**, **Ngondi J.L.** (2017). Screening of antioxidant and antidiabetic properties of aqueous

- and hydroethanolic extracts of the leaves of *Acalypha wilkesiana* Muel.Arg. American Journal of Pharmacology and Health Research. 5(6), 2321-3647
9. **Nguegwouo E.**, Njumbe E., Njobeh P.B., **Medoua G.N.**, Ngoko Z., Fotso M., De Saeger S., Fokou E., Etoa F-X., (2017). Aflatoxin and fumonisin in corn production chain in Bafia, centre Cameroon: Impact of processing technique. Journal of Pharmacy and Pharmacology. 5, 579-590.
 10. Achu M., Loh B., **Njowe K.B.Y.**, Kana S.M.M., (2017). Preliminary proximate composition and mineral contents of five edible insects from Cameroon. International Journal of Current Microbiology and Applied Sciences. 6(3), 1984-1995.

Livres et chapitres dans les livres (02)

1. **Donfagsiteli T.N.**, (2017). Protection des savoirs médicaux traditionnels dans les pays du Sud. Editions Universitaires Européennes. 1-96.
2. **Ekwe J.G.**, Koro K.F., Mouokeu R.S., Mokale K.A.L., Ngonon N.R.A., (2017). Antimicrobial research: Novel bioknowledge and educational programs. In: A. Mendez-Villas, Editor. Evaluation of then in vitro bactericidal activity of a sodium hypochloride solution sold in the Cameroonian lmarkets on the germs responsible for nocosomal diseases in Cameroon. Badajoz : Formatex Microbiology Book series N°6. 472-476.