

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 - 2019 - 57 publications -

Programme recherche médicale (55)

1. Augier C., Beyne E., Villabona-Arenas C.J., **Mpoudi N.E.**, Peeters M., Ayouba A., (2019). Identification of a Novel Simian Immunodeficiency Virus-Infected African Green Monkey (*Chlorocebus tantalus*) Confirms that Tantalus Monkeys in Cameroon Are Infected with a Mosaic SIVagm Lineage. *AIDS Res Hum Retroviruses*.
2. Ayouba A., Ahuka-Mundeke S., Butel C., Mbala K.P., **Loul S.**, Tagg N., Arenas C.V., Lacroix A., Ndimbo-Kumugo S.P., Keita A.K., Toure A., Couacy-Hymann E., Calvignac-Spencer S., Leendertz F.H., Formenty P., Delaporte E., Muyembe-Tamfum J.J., Ngole E.M., Peeters M., (2019). Extensive serological survey of multiple African non-human primate species reveals low prevalence of IgG antibodies to four Ebola virus species. *Journal of Infection Diseases*.
3. **Tambe Ayuk B.**, **Baleba M.R.**, **Mbanga**, Dapi L., Nzefa, **Medoua N.G.**, (2019). Pesticide usage and occupational hazards among farmers working in small-scale tomato farms in Cameroon. *Journal of the Egyptian Public Health Association*. 94(20), 1-7.
4. Azantsa K.G.B., Takuissu R.G., Tcheumeni J.E., Fonkoua M., **Dibacto K.R.E.**, Ngondi L.J., Oben E.J., (2019). Antihyperglycemic mechanism of *Allium sativum*, *Citrus sinensis* and *Persea Americana* extracts: effects on inhibition of digestive enzymes, glucose adsorption and absorption on yeast cells and psoas muscles. *Diabetes Research*. 5(2), 26-34.
5. Batti S.A.C., **Younoussa L.**, Nukenine E.N., Oumarou M.K., Fomena A., (2019). Larvicidal Activity of Two *Cymbopogon* Species Leaf Extracts and Essential Oils against *Anopheles gambiae* Gilles (Diptera: Culicidae). *Journal of Applied Life Sciences International*. 21(1), 1-12.
6. Baudel H., De Nys H., **Mpoudi N.E.**, Peeters M., Desclaux A., (2019). Understanding Ebola virus and other zoonotic transmission risks through human-bat contacts: Exploratory study on knowledge, attitudes and practices in Southern Cameroon. *Zoonoses Public Health*. 66(3), 288-295.
7. **Beack S.S.B.**, **Fanta S.A.Y.**, **Kopa K.T.**, **Hadidjatou D.**, **Kojom L.P.**, Mokale A.L.K., Ndomou M., Agbor G.A., Ngane R.A.N., Tchiegang C., (2019). Hemopoietic effects of some herbal extracts used in treatment of infantile anemia in Cameroon. *Journal Evidence-based and Complementary and Alternative Medicine*. Hindawi. 291084.

8. Bih A.S., **Metsatedem T.Q.**, **Tchuenchieu A.D.**, Ekaney N.E.N., Atud E.S., **Feumba D.R.**, **Medoua N.G.**, Tanya A., (2019). Nutritional potential of three lesser-consumed wild leafy vegetables of the North-west region of Cameroon. *International Journal of Agronomy and Agricultural Research*. 14(6), 8-15.
9. **Bonglaisin J.N.**, Ngonde E.M.C., **Tsafack T.J.J.**, Ngo Nlend M., Mbakop C.D., Wirsiy E., Kimoun M.K., Ekambi M.A., Lantum D.N., (2019). Monitoring and impact evaluation of iodized salt intervention in Cameroon. *Heliyon*. 5, 1-5.
10. Djuikwo T.F.F., Kamdem P.H., **Nkengazong L.**, Simo J., **Moyou-Somo R.**, (2019). Prevalence and Intensity of *Ancylostoma Duodenale* and *Necator Americanus* Infestations in School Children from the Lolodorf Health District (Cameroon). *Journal of Current Medical Research and Opinion*. 02 (03), 121-124.
11. Donhou T.N.M., **Chelea M.**, Kouamouo J., Dimo T. (2019). Ethnobotanic survey of plants used in the treatment of diarrhea in the Mifi division. *Journal of Pharmacognosy and Phytochemistry*. 8(4), 1007-1015.
12. Etame R.M.E., Mouokeu R.S., Poundeu F.S.M., Voukeng K.I., Cidjeu P.C.L., **Tchinda T.A.**, **Yaya G.A.J.**, Ngane N.R.A., Kuate R.J., Etoa F.X., (2019). Effect of fractioning on antibacterial activity of n-butanol fraction from *Enantia chlorantha* stem bark methanol extract. *BMC Complementary and Alternative Medicine*. 1-7.
13. Fai N.R., Aba E.R., **Feumba D.R.**, **Medoua N.G.**, (2019). Bioavailability of Iron and related components in cooked green leafy vegetables consumed in Cameroon. *Food and Nutrition Sciences*. 10, 1096-1111.
14. Fankem M.O.G., Fokam T.A., Noubissi P.A., Fondjo A.F., Kamtchouing I., Ngwewondo A., Wambe J.H.N.M., **Kamgang R.**, (2019). Anti-oxidant activity of dichloromethane fraction of *Dichrocephala integrifolia* in *Salmonella typhi*-infected rats. *Journal of Integrative Medicine*.
15. **Feumba D. R.**, **Panyoo A. E.**, Ashwini R. P., **Tongwa M.**, Mbofung C. M., (2019). Effect of microwave on antioxidant activity, phenolic compounds and browning behaviour of some fruit peelings. *Food Chemistry*.
16. Fotso T.G., Tofel H.K., **Abdou J.P.**, Tchao N., Zourmba C.M., Adler C., and Nukenine E.N., (2019). Control of *Callosobruchus maculatus* (Coleoptera: Chrysomelidae) Using Fractionated Extracts from Cameroonian *Hemizygia welwitschii* (Lamiaceae) Leaf on Stored *Vigna unguiculata* (Fabaceae). *Journal of Insect Science*. 19 (2), 22, 1-9.
17. **Guethchueng S.T.**, Nahar L, Ritchie K.J, Ismail F.M, Dempster NM, Evans E.R, Sarker S.D. (2019). Four new clerodane diterpenes from *Croton oligandrus* (Euphorbiaceae). *Natural Product Research*. 33.
18. **Kopa K.T.**, Tchokouaha L.R.Y., Cieciewicz E., Trudy J.P., Dotse E., Wabo H.K., **Tchinda A.T.**, Tane P., Frederich M., (2019). Antileishmanial and cytotoxic activities of a new limonoid and a new phenyl alkene from the stem bark of *Trichilia gilgiana* (Meliaceae). *Natural Product Research*.

19. **Kopa T.K. Kowa**, Lauve R.Y. Tchokouaha, **Nyemb J.N.**, Wabo H.K., **Tchinda T.A.**, Oppong R.A., **Agbor G.A.**, Tane P. and Frederich M. (2019). Antipromastigote and cytotoxic activities of some chemical constituents of *Hypericum lanceolatum* Lam. (Guttiferae). Journal of Applied Pharmaceutical Science.
20. **Kopa T.K.**, Yamthe L.R.T., Cieckiewicz E., Philips T.J., Dotse E., Wabo H.K., **Tchinda, A.T.**, Tane, P., Frédéricich, M., 2019. Antileishmanial and cytotoxic Activities of a new limonoid and a new phenyl alkene from the stem bark of *Trichilia gilgiana* (Meliaceae). Natural Products Research. 19, 1-7.
21. Kouanfack C., **Mpoudi-Etame M.**, Bassega P.O., Eymard-Duvernay S., Leroy S., Boyer S., Peeters M., Calmy A., Delaporte E., (2019). Dolutegravir-Based or Low-Dose Efavirenz-Based Regimen for the Treatment of HIV-1. New England Journal of Medecine. 381(9), 816-826.
22. Kuagny M.K.B.R., Achu L.M.B., Saha F.B.U., Kansci G., Domkem S., **Medoua N.G.**, Nya E., Kuitekam P., Fokou E., (2019). Physicochemical characteristics and anti-nutritional factors of some underutilized tubers (dioscorea spp and coleus esculentus) grown in Cameroon. International Journal of Advance Research. 7(9), 795-806.
23. Mafo F.M.A., Munvera M.A, Nkengfack A.E., (2019) Isolation, Characterization and Cytotoxic activity of isolated compounds from seed of *Carapa angustifolia* (Meliaceae). Journal of Chemical and Pharmaceutical Research.
24. Mafo F.M.A, Tsana N.R, **Ottou A.M.T, Sidjui S.L, Nnanga N.**, (2019). Evaluation of Antibacterial and Antioxidant Activities of the Crude Extracts of *Albizia ferruginea* (Fabaceae). International Journal of Pharmaceutical Sciences Review and Research. Article reference no: 19-189.
25. Mafo M.A.F, Tsana R.N., Ottou M.T.A., Sidjui L.S., Nnanga N., (2019). Antimicrobial and antioxidant activities of ethanolic stem bark and root extracts of *Khaya ivorensis* A Chev. (Meliaceae). Journal of Pharmacognosy and Phytochemistry. 8(4), 1393-1397.
26. **Mbafor T.J.**, (2019). Two new flavones glycosides with antimicrobial activities from *Clerodendrum formicarum* Gurke (Lamiaceae). Natural Product Research. 1-10.
27. Medou F., **Nyunaï N.**, BikaLele E., Oumarou G., Metsadjio A., (2019). Acute and 28 days Toxicity Assessment of Aqueous Extract of Stem Back of *Musangacecropioides* (Urticaceae). Advanced Complement Alternative Medecine. 4(2).
28. Moni N.E.DF., Nyegue M.A., Assam A.J.P., **Betote D.P.H.**, Feudjieu E., Gaizirene P. B., V., Etoa F.X., (2019). Effect of Essential oil from *Drypetes gossweileri* S. Moore stem barks on Cell Release and DNA Synthesis of Mycobacterium tuberculosis. Journal of Drug Delivery and Therapeutics. 9(2-s), 319-324.
29. Ndlovu H., **Nono J.K.**, Nieuwenhuizen N., Brombacher F., (2019). IL-4R α -expressing CD11c⁺ cells contribute to driving optimal cellular responses during *Schistosoma mansoni* infection in mice. Journal of Leucocyte Biology. 105(2), 307-316.

30. **Nganso D.Y.O, Fomena H., Amang A.N.G, Sidjui S.L, Tatsimo N.S.J, Toghueo K.R.M, Nyasse B., (2019).** *In vitro* properties of chemical constituents isolated from leaves of *Trichiliaemetica*. International Journal of Pharmacie, Science Review and Research. 56 (1), 146-151.
31. Ngonde E.M.C., Mansour M., **Tsafack T.J.J.**, Molu J.P., Dongang N.R., Dione M.V., Edjenguele G.K., (2019). Epidémiologie du paludisme, de l'anémie et des géohelminthiases chez des écoliers asymptomatiques après une campagne de déparasitage scolaire à Yaoundé, Cameroun. Revue africaine de Biologie Médicale. 4(7), 539-546.
32. **Nguegwouo E., Tchuenchieu A., Mouafo T. H.**, Fokou E., **Medoua N.G.**, De Saeger S., Etoa F.X., (2019). Mycotoxin Contamination of Food and Associated Health Risk in Cameroon: A 25-years Review (1993-2018). European Journal of Nutrition & Food Safety. 9(1), 52-65.
33. **Ngwewondo A.**, Tsague M.F.P., Samje, M., Monya, E., Cho-Ngwa, F. (2019). Macro and microfilaricidal activities of extracts of *Annona senegalensis* and *Millettia comosa* against *Onchocerca ochengi* and *Loa loa*. Experimental Parasitology.
34. **Nkengazong L.**, Ngo N.T.N., Nukenine N.E, Ngué M., **Moyou-Somo R.**, (2019). Neglected Tropical Diseases (NTDs): Case study on Gastrointestinal Parasites and morbidity indicators in some rural villages of the South Region of Cameroon. Current Trends in Disease and Health. 1, 61-76.
35. Noubissi P.A., Fokam T. M.A., Fankem G.O., Ngakou M.J., Wambe H., **Kamgang R.**, (2019). Effects of *Crinum jagus* Water/Ethanol Extract on *Shigella flexneri*-Induced Diarrhea in Rats. Evidence-Based Complementary and Alternative Medicine Article. ID 9537603.
36. Ntentie R.F, **Tchuente T.R.B.**, Nguedjo W.M., Dama G., Mboindi M.O., Azantsa K.G.B., Ngondi L.J., Oben J.E., (2019). A silent killer in the far north region of Cameroon: increasing prevalence of hypertension among Kaele dwellers. International Research Journal of Medicine and Biomedical Science. 4(2), 13-22.
37. Nwakiban A.P.A, Sokeng A.J., Dell'Agli M., Lorenzo B., **Tchamgoue A.D.**, **Agbor G.A.**, Kuate J.-R., Daglia M., Magni P., (2019). Hydroethanolic plant extracts from Cameroon positively modulate enzymes relevant carbohydrate/lipid digestion and cardio-metabolic diseases. Food and Function.
38. **Nzweundji J.G.**, Konan K., Nyochembeng L.M., **Donfagsiteli T.N.**, Niemenak N. (2019). Improved germination of threatened medicinal *Prunus africana* for better domestication: effects of temperature, growth regulators and salts. Journal of Forestry Research. 28 (3).

39. **Ottou A.M.T.**, Tsana N.T., Correia J.M.B., Ndjaka F., Affouard, (2019). Impact of chirality on peculiar ibuprofen molecular dynamics: hydrogen bonding organizations and syn vs anti carboxylic group conformation. *Physical Chemistry Chemical Physics*.
40. Reto G. ,Thabo M., Mumin O., Nono J.K., Suraj P., Parihar, Julius E.C., Nada A.A., Lerato H., Santosh K., Sugata R., Adam P.-N., Willem A. Hanekom, Daniel E. Zak, Thomas J. Scriba, Harukazu S., Frank B. (2019). Batf2 differentially regulates tissue immunopathology in type 1 and type 2 diseases. *Mucosal Immunol.* 12(2), 390-402.
41. **Sabine A.Y.F.**, Germain T.S., Katoucha S.N.Z., Muhammad A.K., **Gabriel A.A.**, Nisar U-R., Elisabeth N.B., (2019). Quantification of Bioactive Compounds and Evaluation of the Antioxidant Activity of *Carissa edulis* Valh (Apocynaceae) Leaves. *The Scientific World Journal.* 1-9, <https://doi.org/10.1155/2019/7549620>.
42. Salehi B., Patrick V.T.F., Lauve R.T.Y., Brice T.T., Charles O.A., Amirhossein R., Fhatuwani N.M., Miquel M., William N.S., Célia F.R., Natália M.W.C.C., Javad S-R., (2019). Phytochemicals in Prostate Cancer: from Bioactive Molecules to Upcoming Therapeutic Agents. *Nutrients.*11 (7), 1483.
43. **Sidjui S.L.**, Soh D., Tegang D.J.E., Tchakounté H.B., Toghueo K.R.N., Wembe N.A., Shaiq A.M., Ngosong F.G., (2019). Antiproliferative and cytotoxic secondary metabolites from fruits of *Leplaea mayombensis*. *Natural Product Research.* 33 (5), 635-641.
44. Sidoine Z.K., Ngatcha, Ngatchic M.T., Josiane, Ndjantou B.E., Taiwe G.S., **Fanta S.A.Y.**, Megnigou M.E., Ngo B.E., Njintang N.Y., (2019). Anticonvulsant and antioxidant effect of *Senna tora* leaves extracts in a Pilocarpine model of Status Epilepticus as affected by solvent extraction. *Advances in Pharmacological Sciences, Hindawi.* 6753878.v1.
45. Soh D., Nkwengoua E., Tchebemou B.B., **Sidjui S.L.**, Dzo D.U., Mehreen L., Bernd S., Muhammad S.A., Nyasse B., (2019). A new dammarane type triterpeneglucoside from the aerial parts of *Gouania longipetala*. *Natural Product Research.* 33.
46. Tatfo K.F.D.P., Tchuenchieu K.A.D., Bouelet N.I.S., **Medoua N.G.**, Kansci G., (2019). Practices and usage of antibiotics in chicken farming and impact of some of their residues in products consumed in Yaoundé, Cameroon. *Advances in Nutrition & Food Science.* 4(3), 1-7.
47. Tchouakui M., Chiang M.-C., Ndo C., Kuicheu C.K., Amvongo-Adjia N., Wondji M., T.M., Kusimo M., Riveron J., Wondji C., (2019). A marker of glutathione S-transferase-mediated resistance to insecticides is associated with higher Plasmodium infection in the African malaria vector *Anopheles funestus*. *Scientific Reports.* 9, 5772.
48. **Tongwa M.Q.**, **Manet L.**, **Mouafo T.H.** and Fossi T. B. (2019). Evaluation of Probiotic Potential of lactic acid bacteria isolated from Raphia palm wine (*Raffia mambillensis*). *South Asian Journal of Research in Microbiology.* 3(3), 1-14.

49. Tsamo A.T., Pagna J.I.M., **Nangmo P.K.**, Mkounga P., Laatsch H., Nkengfack A.E., Rubescins F.-H., (2019). New vilasinin-type limonoids from the leaves of *Trichilia rubescens* (Meliaceae). *Z Naturforsch C*. Mar 20. pii: /j/znc.ahead-of-print/znc-2018-0187/znc-2018-0187.xml.
50. Tsana N.R., Mafo F.M.A, **Ottou A.M.T**, **Sidjui S.L**, **Nnanga N.**, (2019). Antimicrobial and antioxidant activities of ethanolic stem bark and root extracts of *Khaya ivorensis* A Chev. (Meliaceae). *Journal of Pharmacognosy and Phytochemistry*. 8(4), 1393-1397.
51. Wakeu K.B.N., Jouda J.-B., Foudjo M.G., **Sidjui S.L.**, Mkounga P., Mehreen L., Muhammad Shaiq A., Wandji J., Mbazoa C.D., (2019). Oligoamide, a new lactam from the leaves of *Angylocalyxoligophyllus*. *Natural Product Research*. 33 (14), 2011-2015.
52. **Yangoua M.H.C**, Azantsa K.G.B., Kuate D., Ntentie R.F., Nguej M.W., Nkougni T.J., **Tchuente T.R.B.**, Ngondi L.J., Oben J., (2019). Characterization of Dyslipidemia and assessment of Atherogenic Risk among Cameroonians living in Yaounde: A cross Sectional Study. *Journal of Biosciences and Medicines*. 7, 35-50.
53. **Younoussa L.**, Esimone C.O., Danga S.P.Y., Kowa K.T., Nukenine N.E., (2019). Adulticidal efficacy of *Annona senegalensis* and *Boswellia dalzielii* leaf fraction extracts and essential oils against *Anopheles gambiae* Gilles, *Aedes aegypti* Linn and *Culex quinquefasciatus* Say using CDC Bottles. *Journal of Entomology and Zoology Studies*.
54. Zingue S., **Yaya G.A.J.**, Michel T., Ndinteh T.D., Rutz J., Auberon F., Maxeiner S., Felix K.H.C., **Tchinda T.A.**, Njamen D., Blaheta R.A., (2019). A bioguided identification of daucosterol, a compound that contribute to the cytotoxic effects of *Crateva adansonii* DC (Capparaceae) on prostate cancer cells. *Journal of Ethnopharmacology*. 247.
55. Kamdem S.D., Konhawa F., Kuemkom E.M., Meyo K.L., Tchanana G.K., Nche F., Oumarou A., Hamza M., Ouratou Y., Tcheutchoua M.N., Essomba G.R., Ngogang M.P., Kengne M., Netongo P.M., Ondigui B.E., Okomo Assoumou M.C., Brombacher F., **Nono J.K.**, (2019). Negative association of interleukin-33 plasma levels and Schistosomiasis infection in a site of polyparasitism in rural Cameroon. *Frontiers in Immunology*. Doi:10.3389/fimmu.2019.02827.

Chapitres de livres (02)

1. Mahamat A., **Yaya G.A.J.**, Tagatsing F.M., Talla E., Fekam B.F., Henoumont C., Sophie L., Mbacham W., Ayong L., Guewo-Fokeng M., Makoge V., (2019). The current situation of malaria in Africa. In: *Malaria Control and Elimination* (book). Editors: Frederic Arley Frederick Gay Robert Menard. Springer Protocols.

2. Mbacham W., Ayong L., Magellan G.-F., **Makoge V.**, (2019). The current situation of malaria in Africa. In: Malaria Control and Elimination (book). Editors: Frederic Arieu Frederick Gay Robert Menard. Springer Protocols.