



Plant Sciences - Research outputs 2018

Research articles

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Akhtar, S., Osthoff, G., Mashingaidze, K., & Labuschagne, M. 2018. Iron and zinc in maize in the developing world: deficiency, availability, and breeding. *Crop Science* 58: 2200-2213.

Alayande, K.A., Pohl, C.H. & Ashafa, A.O.T. 2018. *In vitro* assessment of *Euclea crispa* (Thunb.) leaf extracts against *Campylobacter* spp. and *Escherichia coli* - common diarrhoeal agents. *Asian Journal of Applied Sciences* 6: 158-165.

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Amah, D., van Biljon, A., Brown, A., PerkinsVeazie, P., Swennen, R. & Labuschagne, M. 2018. Recent advances in banana (*Musa* spp.) biofortification to alleviate vitamin A deficiency, *Critical Reviews in Food Science and Nutrition*, DOI: 10.1080/10408398.2018.1495175

Ashafa, A.O.T. & Nafiu, M.O. 2018. Antidiabetic activity and free radicals modulatory potentials of saponin-rich extract of *Cochlospermum planchonii* (Hook Fx. Planch) root *in vitro*. *Comparative Clinical Pathology* 27: 313-320.

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Balogun, F.O. & Ashafa, A.O.T. 2018. Oxidative stress mitigation, kinetics of carbohydrate-enzymes inhibition and cytotoxic effects of flavonoids-rich leaf extract of *Gazania krebsiana* (Less.): An *in vitro* evaluation. *Asian Pacific Journal of Tropical Biomedicine* 8: 52-58.

Balogun, F.O. & Ashafa, A.O.T. 2018. Protective action of aqueous leaf extract of *Gazania krebsiana* (Less.) Asteraceae' antagonizes isoproterenol-triggered myocardial infarction in *Rattus norvegicus*. *Comparative Clinical Pathology* 27: 461-470.

Bonthond, G., Sandoval-Denis, M., Groenewald, J.Z. & Crous, P.W. 2018. *Seiridium* (Sporocadaceae): an important genus of plant pathogenic fungi. *Persoonia* 40: 96-118.

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Boshoff, W.H.P., Pretorius, Z.A., Terefe, T.G., Bender, C.M., Herselman, L., Maree, G.J. & Visser, B. 2018. Phenotypic and genotypic description of *Puccinia graminis* f. sp. *tritici* race 2SA55 in South Africa. *European Journal of Plant Pathology* 152: 783-789.

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Nafiu, M.O., Ashafa, A.O.T. & Sabiu, S. 2018. Anti-nephrolithiatic potential and the protective role of saponin-rich extract of *Dianthus basuticus* against acetaminophen-induced damage in HEK293 cells. *Indian Journal of Natural Products and Resources* 9: 117-125.

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Palanisamy, C.P. & Ashafa, A.O.T. 2018. Analysis of novel C-X-C chemokine receptor type 4 (CXCR4) inhibitors from hexane extract of *Euclea crispa* (Thunb.) leaves by chemical fingerprint identification and molecular docking analysis. *Journal of Young Pharmacist* 10: 173-177.

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Zurn, J., Rouse, M., Chao, S., Aoun, M., Macharia, G., Hiebert, C., Pretorius, Z.A., Bonman, J.M. & Acevedo, M. 2018. Dissection of the multigenic wheat stem rust resistance present in the Montenegrin spring wheat accession PI 362698. *BMC Genomics* 19: 67.

Books

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Book chapters

Saheed, S., Oladipo, A.E., Sunmonu, T.O., Balogun, F.O. & Ashafa A.O.T. 2018. The Purview of Phytotherapy in the Management of Gastric Ulcer. *Book on stomach disorders*.