

Research Article

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Anthropometric measures of young Nigerians for ergonomic furniture design

Published On: September 20, 2019 | Pages: 055 - 061

Author(s): Fidelis OP*, Ogunlade B and Adelokun SA

Background: Ergonomic furniture design which is based on the application of the anthropometric measurements of the intended users does not only reduce the risk of developing musculoskeletal disorders such as low back pain, but also improves work performance. ...

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The association between copy number variant of Angiotensin Converting Enzyme gene and the risk of Ascending Aortic Aneurysm in Bicuspid and Tricuspid Aortic Valve

Published On: August 20, 2019 | Pages: 048 - 052

Author(s): Azadeh Motavalli Naeini, Maryam Sotoudeh Anvari*, Shayan Ziaee, Ali Hosseinsabet, Mohammadali Boroumand and Kyomars Abbasi

Introduction: The presence of ACE Insertion/Deletion polymorphism is proposed to be associated with a higher risk for abdominal aortic aneurysm. The aim of this study was to examine a relationship between the occurrence of I/D polymorphism among patients with ascending aortic aneurysm and bicuspid or tricuspid aortic valve structure. ...

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Serum/Urine Zn Level of Egyptian Type II Diabetic Patients and Its relation with Glycemic Control (HbA1c)

Published On: August 14, 2019 | Pages: 044 - 047

Author(s): Ghada ZA Soliman*

Introduction: Diabetes Mellitus is a metabolic disorder disease characterized by hyperglycemia due to impaired insulin secretion or action. Percent of Type 2 diabetic patients are getting to increase annually allover the world especially in developing countries. It is estimated to increase to 300 million in 2025. In Egypt around 8.1 million are estimated according ...

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Antifungal activity and phytochemical analysis of selected fruit peels

Published On: August 07, 2019 | Pages: 040 - 043

Author(s): Oladele Oluwole Olakunle*, Joy Blessing Deborah and Okosodo Juliana Irene

Antifungal activity and phytochemical analysis of selected fruit peels were investigated in this work. The selected peels, obtained from orange, pineapple cashew and banana fruits were air dried at $28 \pm 20^\circ\text{C}$ for four weeks and later grounded into powders. ...

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Comparison of Blood Pressure measurements taken by one stage approach, two stage approach and digital apparatus

Published On: August 05, 2019 | Pages: 037 - 039

Author(s): Kusum K*, Shruti C, Ravikant, Vasantha Kalyani, Anjana Singh

Mercury sphygmomanometers was developed over 100 years ago and largely unchanged since used in both hospital and ambulatory settings and considered as gold standard device for accurate blood pressure measurements. Blood pressure is important diagnostic index for circulatory function. ...

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Sexual dimorphism and anthropometric measurements of foot in adult

Oyemekun ethnic group population in Akure, South-West Nigeria

Published On: May 28, 2019 | Pages: 027 - 030

Author(s): Adelakun SA*, Ogunlade B, Akingbade GT, Olayemi OT, Fidelis OP and Owolabi FM

Background: Dismembered human remains are frequently found in cases of mass disasters and criminal mutilation.

Therefore, it is of great importance to use foot dimensions for the determination of sex (gender) of an individual in order to assist in establishing personal identity. This study focused on sexual dimorphism using the anthropometric measurements of foot in a ...

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Allelopathic potential of differential concentrations of rice husk residues: Implications on the growth and yield of cowpea (*Vigna unguiculata* L.)

Published On: May 11, 2019 | Pages: 021 - 026

Author(s): Foluso Akinbode Ologundudu*

The allelopathic effect of different concentrations of rice husk residues (*Vigna unguiculata* L.) was investigated with a view to determining its effect on the growth and field of four cowpea varieties. The results indicated that the extracts at 40g brought about considerable inhibition in the morphological parameters studied including plant height, stem girth, number ...

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Different Strategies used in the Production of human monoclonal scfv Antibodies Specific to Dimers of Membrane Receptors

Published On: April 19, 2019 | Pages: 014 - 020

Author(s): Sylwia ukasiewicz*, Agata Stachowicz, Ewelina Fic, Ewa Basiak, Agata Kowalik and Marta Dziedzicka-Wasylewska

Phage display technology is one of the methods widely adopted for the production of human monoclonal antibodies. The subject of the present research was the scFv - single chain variable fragment antibody - which was able to recognize the D2-5-HT1A heteromer formed by dopamine D2 and serotonin 5-HT1A receptors. The antibody was selected using the phage display technique ...

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Nephrotoxic and Hepatotoxic Effects of Clerodendrum capitatum (Willd) Schumach et. Thonn and Phyllanthus fraternus Schum. and Thonn. (Euphorbiaceae) extracts used as food grains protectant on Albino rats

Published On: March 29, 2019 | Pages: 008 - 013

Author(s): Jacobs Mobolade Adesina*, Oyedele Elliot Seyifunmi, Thomas Inomisan Ofuya and Titilayo Elizabeth Mobolade-Adesina

Background: Clerodendrum capitatum (Willd) Schumach et. Thonn. (Family: Verbenaceae) and Phyllanthus fraternus Schum. and Thonn. (Euphorbiaceae) are used as food grains protectants among resource poor farmers, nevertheless there is dearth of experimental data on the possible toxicity of such stored food grains if consumed. The toxic effects were considered by quantify ...

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Histomorphological characterization of Moringa- oleifera oil and walnut oil on cadmium induced lateral geniculate body damage in adult wistar rats (Rattus novergicus)

Published On: January 04, 2019 | Pages: 001 - 007

Author(s): Omotoso OD, Adelokun SA*, Idomeh IJ and Ogbonna E

Background: Cadmium (Cd) has been reported to cause distinct neurotoxic effects in adult and newborn animals. This study was designed to investigate some of the effects caused by cadmium on the lateral geniculate body of adult male wistar rats and the ameliorative properties of antioxidants present in Moringa oleifera seed oil and walnut oil extracts. ...

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Case Report

Suppurative prostatitis with symptomatic benign prostatic hyperplasia: A case report and review of literature

Published On: August 03, 2019 | Pages: 034 - 036

Author(s): Paul E Ngwu*, Cornelius C Chukwuegbo and George O Achor

Introduction: The diagnosis of suppurative prostatitis is rare affecting men mostly in their 5th or 6th decades. Suppurative prostatitis can co-exist with symptomatic benign prostatic hyperplasia (BPH) making diagnosis and treatment much more challenging. ...

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Editorial

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Human skin biology and the search for the truth

Published On: August 21, 2019 | Pages: 053 - 054

Author(s): José Mesquita-Guimarães*

1. Human skin consists of epidermis, pilosebaceous follicles, eccrine and apocrine sweat glands, melanocytes, Langerhans cells, Merkel cells, connective tissue of the dermis and hypodermis, nerves and lymphatic and blood vessels. It means that the skin is an extremely complex organ, made up of multiple cell types and structures, with remarkable morphofunctional divers ...

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Commentary

Challenges facing genetics and materialism

Published On: July 15, 2019 | Pages: 031 - 033

Author(s): Ted Christopher*

There are under-appreciated, serious behavioral challenges to science's understanding of life and its DNA-basis. The general problem facing the DNA model, though, has been the inability to identify the DNA origins of many heritable characteristics. This brief commentary will introduce the missing heritability situation and then go on to detail a few behavioral chal ...

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Perspective Study

A possible new conceptual basis in biophysics

Published On: December 20, 2019 | Pages: 062 - 067

Author(s): Svetla E Teodorova*

For the time being, the biological processes are described based on theoretical apparatus of thermodynamics, mechanics, dynamic systems theory etc. Here a new conceptual basis for description of living objects in their entirety and overall response is suggested. Biology and medicine gain if the organism physiological status could be assessed via prompt and simple meas ...

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