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Volume 5, Issue 1

January-June 2011

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A Multi Dimensional Model of Well-being in Young Female Adults

Elizabeth C.S and Sudha Bhogle

Abstract

The aim of the present study was to assess the Psychological, Social, Spiritual and Physical dimensions of Well-Being in young female adults. The study was conducted on 540, 1 year degree students belonging to 6 colleges in the city of Bangalore. An equal number were selected from the three faculties of Arts, Science and Commerce from each college. Psychological Well-Being, Spiritual Well-Being, Social Support from family, friends and people in general, and the body image of young female adults were measured. A Global Well-Being score was computed and correlated with the scores on the other dimensions to determine the relationships of the different dimensions to Global Well-Being. Global Well-Being was found to be a multi dimensional construct and a conglomeration of the Psychological, Spiritual, Social and Physical dimensions of wellbeing.

Keywords: Young adults, Psychological Well-Being, Spiritual Well-Being, Social Well-Being, Global Well-Being, Young Female Adults.

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Seed Borne Mycofloral Diseases in *Madhuca Insignis* (Radlk.) H. J. Lam; a Potential Threat Minimising the Species Survival

V. Anand Raju and S. R. Ambika

Abstract

Natural ecosystem in Western Ghats is subjected to increasing pressure from habitat fragmentation and accelerated changes in the environment. Hence plants in natural habitats are surrounded by a number of potential threats. *Madhuca insignis* is an IUCN red listed plant having a number of threats minimizing its endurance. Apart from the recalcitrant nature, the seed borne mycofloral diseases has been noticed causing poor seed germination and loss of vitality. In this article the authors have made an attempt to diagnose these symptoms in understanding the actual causal organisms. The aim of the study is to isolate and categorize fungal pathogens and evaluate the percent incidence of the disease.

Keywords: *M.insignis*, Frugivores, Global Positioning System (GPS), Girth at Breast Height (GBH), Mycoflora, Hilum, Micropyle, Hyphae, Mycelia.

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Thermodynamic Characteristics of Alloys of Succinonitrile-cinnamic acid System

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Abstract

The solid liquid equilibrium data of succinonitrile (SCN) and cinnamic acid (CA) were determined by thaw-melt method within the entire composition range. Entropy of fusion, activity and activity coefficient, solid-liquid interfacial energy and roughness parameter of the materials were calculated with the help of enthalpy of fusion value determined by the DTA method. The analytical description of excess and mixing thermodynamic quantities of the alloys were derived by utilizing the activity and activity coefficient data. The Gibbs-Duhem equation describes about the partial excess and mixing functions of a phase in the binary mix. The low surface roughness (α) value for alloys A8 and A9 predict the nonfaceted crystal growth of the interface.

Keywords: Solid-liquid equilibrium, Activity coefficient, Gibbs-Duhem Equation, Excess and mixing functions.

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Alterations in Haematological Parameters of Selenium Exposed Rats

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Abstract

Since the circulatory system serves as the primary target for the action of toxic compounds, in the present investigation an attempt is made to study the effect of sub lethal doses of selenium on selected haematological parameters in rats. The percentage of haemoglobin (Hb), R.B.C count, and packed cell volume (P.C.V) decreased significantly in both 250 μ g and 500 μ g exposed rats. The W.B.C count on the other hand showed an increase following Se exposure. These alterations, however, were more pronounced with 500 μ g Se exposure as compared to 250 μ g Se exposure. These studies show that injections (i.p) of higher doses of Se interfere with synthesis of heme and known to lower haematocrit there by causing anaemia in rats.

Keywords: Haemoglobin, selenium exposure, anaemia, rat.

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VA Mycorrhizal root Colonization Studies in Mulberry (*Morus alba*, L) Varieties Treated with Sewage and Bore Well Water

Ambika P.K., S.R. Ambika and Govindaiah

Abstract

A study was conducted to know the effect of sewage water irrigation on the root colonization of VA Mycorrhizal fungi in four varieties of mulberry, viz., V1, S36, S13 and M5. The experiment was conducted in pots with 5 replications keeping bore well water treatment as control. The results showed a decrease in the root colonization by VAM fungi due to the sewage water treatment in all the varieties studied. The variety S13 recorded the highest percentage of root colonization under natural conditions, but maximum reduction when treated with sewage water.

Keywords: Mulberry varieties, sewage water, VA Mycorrhiza, root colonization

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'Straddling Multi-cultural Spaces' - The Short Fiction of Bharati Mukherjee and Jhumpa Lahiri

Sujatha Padmanabhan

Abstract

This paper seeks to interrogate the term 'cosmopolitanism' in the present reality of geopolitical realignments, after the fall of twin towers and the Berlin Wall. Unwieldy as the task might be, I would attempt to explore the metaphor in contemporary fiction to ask what ironies, anxieties and incompatibilities are contained in these literary representations. With particular reference to works of writers from 'displaced locales' or diasporas, that have been hailed as the 'interpreters' and authentic voices of the third world, I would attempt to explore and thematise the world of short fiction of the present decade through analysis of short story collections of acclaimed global migrants and prize winning authors Bharati Mukherjee and Jhumpa Lahiri both of whom celebrate their mixed heritage that helps them successfully navigate through collusions of language, race and art in a world of disparate peoples.

Keywords: Cosmopolitan, displaced locales, global migrants, hybridity.

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Attitude towards Physical Activities and Sports between General and Selected Professional Undergraduate Students of Karnataka State

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Abstract

This study investigated the attitude of Physical activities and sports of General and selected professional undergraduate students of Karnataka. The samples were collected from six affiliated universities namely Bangalore University, Tumkur University, Mysore University, Mangalore University, Karnatak University and Gulbarga University. By using the simple Random Sampling method, the data was collected from the general College category (1645) and professional college (1519). A total of 3164 subjects were selected for this study. The Questionnaire was constructed according to Likert Scale method,. Test and re-test method, split half method were used to find out the validity and reliability for standardizing the questionnaire. The findings reveal that there were no differences in the general and professional college students attitude towards physical activities and sports but only in the attitude towards sports, professional college students had a more favorable attitude towards sports compared to general colleges.

Keywords: attitudes, physical activities and sports

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‘Leadership Lessons from the Honeybees’ - A Multidisciplinary Research Paper

Shubhashree Acharya, Lalitha Raman and Leena Alexander

Abstract

Man’s actions, thinking, learning has all been shaped and refined by our observation of natural phenomenon. There has always been a number of situations where mankind learns from nature. Behaviour of ants, geese have given a new dimension or approach to the human behaviour with inputs being taken from them. Today even the modern business world has started adopting many wonderful aspects of nature in managing the organization. This research paper attempts to identify the essential qualities for successful leadership from the characteristics of honey bees. The fourteen universal principles of management propounded by Henri Fayol are well demonstrated by the honey bees. He believed that these principles if followed in right degree and proportion, irrespective of the type of organization, can contribute to achieving excellence. Six out of fourteen principles have been identified which are the essential traits for a leader and which are distinctively exhibited by the honey bees.

Keywords: Henry Fayol’s 14 principles of management, leadership, management, honey bees, team spirit.

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Trends and Prospects in Marketing of Leather Products with reference to Footwear and Leather Garments

Harathi D

Abstract

Leather is an item which is invariably used in all fields and by all sections of the society. Since it is a natural good available abundantly especially in India, the usage of which is extended not only in India, but across the world. Leather Industry has come to occupy a pre-eminent position in the Indian Economy because of its high growth potential for export earnings and employment opportunities.

South India particularly Chennai was popular in the global market and nearly 85% of tanned leather had been exported only from this port. In spite of the incentives, concessions offered by the government, use of the sophisticated technology & free import of machines, chemicals etc., leather industries are facing some serious marketing problems.

Some of the marketing problems such as bulk orders, poor image of the product in the world market, insufficient transport facilities, lack of information about the changes in fashion, fluctuations in foreign exchange rates hinder the growth of these units. Effective and timely measures have to be applied to minimize these problems. The research work is to find out the marketing problems and also to know how best the leather industries could improve their exports.

Keywords: Leather, Tanning, Export, Products, Marketing.

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