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By IJSER Editorial Board

IJSER July issue volume 3 issue 7 has 177 papers.

All areas of engineering and science like Computer Science, Chemistry, Physics, Biology, Medical Science, Geology, Statistics, Accounting, Social Science, Mathematics, Management and Economics are covered (the areas are not limited to the following):

Papers of significance in this issue.

Biomedical field paper by Dr. Ramani Iyengar, Sriranjini A.S, Jasmine on Insilico Designing and Development of Vaccine for V.Cholerae O139 in Cholera Disease. The main aim of their project was to design and develop a vaccine against Cholera. V.cholerae the causative agent of cholera carry strains that encode the cholera toxin. These toxins enter Epithelial cells and after crossing host line of defense it starts colonizing itself in the small intestine. SDSC workbench tool was utilized for screening protein sequence identical and having least E value. With Docking analysis the epitope molecule LEALVEDL was found to be the best vaccine candidate.

The paper presented by Bhavika Desai and Pragya Parikh on Impact of Curzate (fungicide) on Hematological Parameters of Oreochromis mossambicus focuses on environmental hazard due to recently registered fungicide Curzate, commercially used in over 50 countries on more than 15 crops. Fresh water fish Oreochromis mossambicus was exposed to two sub lethal concentration i.e. 4.9 mg/l and 2.45 mg/l of Curzate for a period of 21 days. The hematological analysis showed significant reduction in RBCs count, (Hb) value, (PCV) and (MCHC), (WBCs) count, (MCV) and (MCH) were significantly increased in the treated groups as compared the control group. The present study shows that Curzate causes alterations in hematological parameters leading to physiological dysfunctions thus validating the toxic effect of the fungicide on the fish

A paper of diagnostic importance for treatment of HIV through traditional medicine was presented by Venkanna Lunavath and Estari on HIV inhibition, by Inhibition of Human Immunodeficiency Virus (HIV-1) Reverse Transcriptase by Casia occidentalis (L) Plant Extract. They point out the fact that expensive HAART therapy is unavailable to almost 90% of the affected population. The current treatment for HIV/AIDS is called Highly Active Anti-Retroviral Therapy (HAART) and is a combination of anti-HIV reverse transcriptase inhibitors and protease inhibitors. This reason calls for production of less expensive and alternative AIDS therapy. The current therapy foccues on traditional medical plants to be used as treatment for HIV. A panel of extracts of traditional medicinal plants for their activities against HIV-1 replication was studied. The present study was aimed to evaluate the invitro anti- HIV activity of Casia occidentalis plant extracts. Extracts were prepared from dried leaves in n-hexane, ethyl acetate and n butanol. Peripheral Blood Mononuclear Cells (PBMCs) isolated from healthy donors by ficoll-hypaque density gradient centrifugation method. A toxicity study was performed on all crude extracts by MTT assay using PBMCs isolated from whole blood. HIV-1 RT inhibition activity of the all solvent extracts of Casia occidentalis was determined by a RetrsoSys HIV-1 RT activity kit (Innovagen, Sweden). The leaves of Casia occidentalis extracts are shows anti-HIV-1 activity and this plant has great potential for developing useful drugs.

Social issues like Dowry was studied by *Mrs. Reshma* with her paper on Socio Legal Perspective of Dowry where she explains imbalance in nature of existence between men and women where women always end up as weaker sections of society and further degraded by social imposition of dowry.

Hasim Deari, Paola Lopez, Viktoria Kime! paper on How important is culture and negotiations in the international business: Comparison analysis between Swedish and Latin American companies explains that as the world is opening up for foreign firms and new destinations in the company' business are increasing, when going international the challenges the company must handle are new and unfamiliar. Culture is one of these obstacles and can affect the entire co-operation. Culture can influence the business in different ways. Language problems, pricing difficulties and culture collisions are not uncommon, especially in the beginning. The company must be able to handle these difficulties in a way that is satisfying also for the other part. Mistakes can be difficult to correct and disrespect for the foreign culture can destroy the entire operation.

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The Editorial Board

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