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| Study effect of plant extract Neem and cell wall mannoprotein of Candida albicans in mice vaccinate with Brucella-Rev-1 vaccine. | Thesis Title  |
| 2009 | Year |
| Based on the findings of the present study, it could be that neem seed extracts (aqueous and ethanol) and mannoproteins isolated from *Candida albicans* cell wall, are important immunomodulatorts in the development of immune response against *Brucella abortus*, especially if they are employed in the vaccine strategy (i.e. *Brucella* Rev-I vaccine) against such important pathogen. The results of nitroblue tetrazolium index, E-rosette formation, lymphocyte transformation, mitotic index of bone marrow and spleen cells, anti-*Brucella* antibody titer, serum electrophoresis, delayed-type hypersensitivity reaction and interferon-γ serum level strongly support such conclusions and augment the view that the employed immunomodulators can target different branches of the immune system in a positive manner. |  Abstract  |