

Call for special issue on Nutrition and Drugs in Geriatric Population.

Medicines typically comprise dynamic ingredients that are respond related to human metabolism in dietary elements frequently impact these qualities of medicines in a variety of ways. Food-drug interactions occur when a dietary substance or food, for example, improves, reduces, or fluctuates the activity of a drug. The senior peoples progression is categorized by a great the quantity of complications that the varieties the protection of the aging a thought-provoking mission. An enlightened failure in numerous physiological organisms coincides with several chronic diseases (comorbidity), some geriatric issues and incidence of cognitive and well-designed impairment. Malnutrition and nutritional problems are a range of symptoms that affect older people. Several geriatric syndromes (containing delirium, falls or chronic pain), inflammation, cognitive and functional impairment, chronic disease, and drug custom may show a part in the inception of malnutrition and nutritional problems. Many medications' pharmacokinetic and pharmacodynamics properties are influenced by nutritional status; on the other hand, pharmaceuticals can affect nutrition by generating unpleasant drug interaction including such nausea and loss of appetite. Hence this special issue will be delivering the content including research article, review papers, opinion papers and protocols for the below said titles.

1. Drug-Food Interactions in Elderly
2. Optimization of Nutrition And Medication for NCD older patients
3. Drugs those are likely to have a negative impact on nutritional intake/status.

Guest Editor Details:

Dr. S. SUNDARESAN Ph.D., Associate Professor, SRMMCH &RC

DR S.SUNDARESAN RESEARCH INTERESTS

I have been working in the arena of cancer chemoprevention, cancer immunotherapy and tumor marker detection. I worked in developing Andro/Evo-albumin nanoparticles, which was synthesized and loaded into polycaprolactone (PCL) scaffolds. 12 % (w/v) PCL scaffold were fabricated with different concentrations of Andro/Evo-albumin NP and its anticancer property in hela cells was studied. IN HCC, The tumor markers (AFP-L3, DCP & GP-73) in HCC individuals and the expression of HBx and APOBEC3B genes in HBV-positive HCC by Real-time PCR, the expression of APOBEC3B protein in HBV-positive HCC individuals were studied first time by our laboratory. The administration of indoles and triterpenes for the preventive and curative effects were studied in laboratory animals. Our research study also demonstrated Interferon Beta was shown to synergistically work with chemotherapeutic drugs cisplatin for the liver breast and cervix cancer cells. One of my research disseminated with autophagy proteins Beclin-1, LC3-II and ATG12 and autophagy regulators mTOR, Raptor, p-PRAS40 and Rag C proteins expressions in Head and Neck malignancy distinguishing the tumor types and stages significantly. I am currently investigating the impact of probiotics on the treatment of intestinal toxicity during chemotherapy, immunotherapy and radiation, generating promising results, our novel buttermilk based selenium enriched probiotic will be studied for the adjunct role in CRC.

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