

International Conference and Exhibition on Pharmacognosy, Phytochemistry & Natural Products

October 21-23, 2013 Radisson Blu Plaza Hotel, Hyderabad, India

VMCAM (Validations of the medicinal claims of the ayurvedic medicine)

K. N. Patel SAL Institue of Pharmacy, India

We know that modern medicines are magic bullets. They are useful in the treatment of various types of infectious diseases as well as disease related to heart, gastrointestinal tract, nervous system, pain, etc. Life span of the human beings is increased but long usage of these medicines cause toxicities which may injure liver, kidney, eyes, GIT, etc. Many of these modern medicines like codeine, aspirin, paracetamol, ephedrine, reserpine, quinine, emetine, etc. are derived from the plants. They are either pure plant constituents or their derivatives or synthetic analogues.

Instead of searching and isolating the plant constituents as new drug molecules, if the herbal drugs are used as medicine, there is no side effect as compared to modern medicines.

Antibiotics are very widely used nowadays for various types of infections, and diseases but the microbes become resistant to these antibiotics within few years. Therefore, newer and newer antibiotics are required to be searched out, on long usage. These are also toxic.

If the ayurvedic drugs are used in the way in which they are prescribed in ayurveda, there is minimum toxicity. They can be used in case of Alzheimer's disease, heart disease, anxiety, insomnia, kidney stone, asthma, anal fistula, diabetes, liver toxicity, weakness, etc. Many of these drugs balance the imbalanced humours in the body. The only thing we have to do is administer the particular standardized Ayurvedic drug to the patients. Determine the biological markers of the patient with modern instruments on zero days, at different proper time interval and at the end of the treatment, this is a simple job. If all of us do this job honestly sufferings of human kind will be drastically reduced and the environment will also be protected.

Biography

K. N. Patel has completed his B. Pharm, M. Pharm & Ph.D. from L. M. College of Pharmacy Ahmedabad. His area of specialization is pharmacognosy/ herbal drugs. He has teaching experience of 35 years. He has guided 28 students for M. Pharm & 8 students for Ph.D., has published 50 research papers and authored five books. At present, he is principal at SAL Institute of Pharmacy, Ahmedabad. He is president, Society of Pharmacognosy, Gujarat Chapter, active member of Akhil Bhartiya Vananshadhi Abhyas Mandal, Gujaarat State Pharmacy Teacher's Association, International Association for Studies on Traditional Asian Medicine. His areas of interest are quality control of herbal drugs, isolation and identification of phytoconstitents, verification of medicinal claims of the ayurvedic medicine reverse pharmacology of the herbal drugs, development of immunity in human beings.

Secondary metabolites of Potentilla fulgens L. and their cytotoxic properties

Jasha Momo H. Anal North Eastern Hill University, India

Nature has evolved over time to produce a mystifying diversity of secondary metabolites. Natural products still remain the single most productive source of leads for the development of drugs. From the number of species that has being studied and the number of compounds known suggests that, from all living systems atleast a million different compounds could be isolated. Analysis of potent bioactive compounds from the source for further investigation becomes a tricky skill.

Potentilla fulgens L., is one of the medicinal plants that has been used locally to treat ailments in Meghalaya, with reported hypoglycaemic, anti-hypoglycaemic, anti-tumor, and anti-oxidant properties. Given the incidence of diabetes mellitus is on record rise in the world, especially in Asia, investigation on medicinal plants exhibiting these activities has become more important. In this presentation, we will discuss the isolation, purification and cytotoxic properties of the phenolics and triterpenoids of the plant.

Biography

Jasha Momo H. Anal has completed his master's (2007) in Chemistry from North-Eastern Hill University (NEHU), and is doctoral student in the same department of the University and worked as STA in Sophisticated Analytical Instrumentation Facility (SAIF), NEHU since 2011. His interests are in natural product isolation chemistry, enzymatic reactions, herbal drugs, and motivational science speaking.