

## **Comparative evaluation study of phytochemicals and therapeutic activity in solanaceae family plants**

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PSG College of Pharmacy, India

Solanaceae is a large family in plant Kingdom. There are more than 3000 species in Solanaceae family worldwide. Species from Solanaceae family is the integral part of human as a food as well as drug since thousands of years. Even some edible plants also cause problems because of their phytoconstituents and their difference in concentration. Different species of this family plants are used for their different therapeutic values. Generally, we can say the common phytoconstituents like tropane alkaloids are the most important phytoconstituent for their therapeutic activity, but in this study used to focus different phytochemicals other than tropane alkaloids and its pharmacological activities. Some of these species were subjected for molecular genetic research in the last 100 years. The comparative genome analysis of tomato, pepper, and eggplant contributed to the understanding of plant genome evaluation. Most of the plants are used in traditional system of medicines for their potential benefits against cardiovascular and anti-inflammatory diseases, vision related diseases such as age related macular degeneration and glaucoma, having neuro protective properties anticancer and immune modulatory activity due to the presence of phytochemical molecules present in these species. Special methods have been developed for isolating commercially useful alkaloids. Special methods have been developed for isolating commercially useful alkaloids. In most cases, plant tissue is processed to obtain aqueous solutions of the alkaloids. The alkaloids are then recovered from the

solution by different methods of extraction process, which involves dissolving some components of the mixture with special reagents. Different alkaloids must then be separated and purified from the mixture. Solanaceae families contains a diverse range of alkaloids, Presences of these alkaloids make this family medicinally important, though they are therapeutically parasymapathomimetics; overdose may include various adverse effects. So, dose should be strictly decided and monitored.

### **Biography**

V E Ida Christi, A professor dedicated her life for learning and gaining knowledge and helped to develop young minds through teaching with professional socialization. She obtained her degree BSc (Botany) M Pharm (Pharmacognosy) PhD in Pharmacy. Further she has got two Post Graduate Diploma in Hospital Management and Business Management. She has 4 years' Industrial experience, 1-year hospital experience and 20 years teaching experience. she has published a book titled "Herbal Drug Technology" and published 26 research papers. She has received "Best Faculty Award" and "Women Researcher Award" from Science Father International Research Awards SHEN 2020. Presently she is working as a professor in PSG College of Pharmacy, Coimbatore, South India. She has presented about 12 research papers and participated in more than 20 seminars, and national and international conferences. She believes that one of an important source of developing professional identity is teaching practice, role models make things easier for students learning and enable the patient-facing professionals, experiential learning and curriculum alignment with work practices in the pharma profession.

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## **Body of knowledge Indonesian traditional medicine**

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The healing system with the concept of returning to nature "back to nature" is currently getting a lot of attention in the global community, because this system is in fact still alive and developing, in tandem with modern medical systems.

The concept of back to nature that is echoed in developed countries inspires health experts to develop traditional healing systems, because they can be an option or companion in improving health quality and preventing individual and community diseases.

Indonesia since thousands of years ago has had its own traditional healing which is supported by the wealth of natural resources and the diversity of healing expertise. This system is still developing, some of it has even become a system that is quite entrenched in society.

The concept of healing and healing using natural ingredients has become a trend in society along with people's desire to reduce or stop the use of chemicals in healing.

The desire to make Indonesian Traditional Healing respectable

domestically and internationally requires a solid foundation to strengthen and develop Indonesian Traditional Healing in the form of a Body of Knowledge.

One of the natural resources in Indonesia is a lot of plants which can be used in healing diseases. Those kinds of plants can be used in "Jamu". Jamu is a name given to traditional medicine in Indonesia. Usually Jamu is composed from several plants as ingredients. Particularly, some parts of the plant like the leaves, roots, or branches have different purpose in Jamu. Nowadays the knowledge about Jamu can be known by building Ontology.

### **Biography**

Amarullah Hasanuddin Siregar is a Profession in Health Care Specialist, Consultant, Naturopathic Medicine Consultant, and Anti-Aging Medicine Practitioner Functional Medicine Practitioner. She was secretary in District Indonesian Medical Assoc, South Tapanuli Chairman in District Indonesian Red Cross, South Tapanuli. Member in Selection of District Model Doctor.

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## **The future in traditional medicine with new tools to restore health**

**Lorena A Z Velho**

Clínica Vida Medical Director, Brazil

Promoting and restoring health is the main goal of traditional medicine. In several regions of the world there are similar actions in this sense. We have put together some of these actions with new tools in our practice in a method we call CROWN (LORD, in Portuguese and Spanish) that goes for: C: cleaning up (detoxification by electronic devices) to remove toxins, parasites and causes of several pathologies. R: regenerating the cells and tissues for what we use intravenous vitamins, aminoacids and minerals, as known in the Orthomolecular Medicine, as well as Platelet Rich Plasma and Stem Cells, when necessary. O: Oxygen the tissues with Ozone, whose benefits are known since Second World War, but only now, because the wide effects in almost all the areas of Medicine, it is spreading since then. W: withdraw the thinking and feelings related to stress affecting the neurotransmitters and the immune system, and then, promoting the N: novelty of thinking. These last two actions go together, because Neuroscience has shown the important rule of thinking and feeling in the process of illness. In order to change the pattern of feeling and thinking, we have developed a specific meditation for restoring health (Millennial Meditation, also published in this journal) that, we

believe, gives the command for the immune cascade to be activated.

The strength of this method is that it was built by bringing together great pillars of the past and introducing new tools in the process. This concept pervades the education, clinical practice and research of traditional medicine in Brazil, as well as the whole world, mainly in this time of crisis. We feel responsible for sharing this method with all the medical community and health professionals, due to the results.

### **Biography**

Lorena A Z Velho is a Medical Doctor. She has specialized in Gynecology and Obstetrics, with specific training in Cancer Surgery and Diagnostic Imaging. She runs a clinic with her mother, with whom she developed the CROWN method among the decades. She belongs to the research team at SOBOM (Brazilian Society of Medical Ozonotherapy). She has a postgraduate degree in Orthomolecular Medicine at FAPES. Seeking to see her patients as whole persons, she looked after a PhD in Spirituality and Health, when she developed the Millennial Meditation. She is the Clínica Vida Medical Director, Campinas, Brazil.

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