UNITED RESEARCH FORUM
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Proceedings of

International E- Conference on

TRADITIONAL MEDICINE

April 14-15, 2022 | Webinar

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KEYNOTE SPEAKERS

Jian Wang

College of Chinese Medicine, Chongqing Key Laboratory of Chinese Medicine for Prevention and Cure of Metabolic Diseases, Chongqing Medical University, Chongqing, China.

The varieties identification and chemicals analyses on essential oils from varieties of Citrus L. collected in Pakistan

The peels of Citrus L. are full of important bioactive ingredients such as essential oils (EOs), flavonoids, limonoids, etc. The Citrus fruits are prized in Pakistan, and the output is belonging to the top 15 countries in the world. In this study, some varieties of Citrus collected from Pakistan were researched by their fruits, branches, leaves, etc. to identify their correct Latin name. At the same time, the EOs were extracted from their peels by cold-pressing or hydrodistillation. Then, the EOs were detected by GC-MS. As a result, the varieties were identified. In total, some components were qualified and quantified in these samples. Some chemicals such as Limonene, Terpinen-4-ol, α-Terpineol, etc. are prominent. Some important hydrocarbon sesquiterpenes (HS) such as α-Bergamotene, β-Bisabolene, etc. were detected. To the best of author's knowledge, there is no report on the detection of α-Bergamotene from EOs of Citrus peels produced in Pakistan. To the best of author's knowledge, two chemicals including E-Nerolidol and α-Cadinol belonging to alcohol sesquiterpenes (AlcS) was undetected in previously report on the EOs of Citrus peels produced in Pakistan..

Keywords: Citrus L., identification, peels, essential oils

Biography:

Over 19 years of experience in research on the chemicals of Chinese materia medica (CMM) such as Citri Reticulatae Pericarp (CRP) and Citri Reticulatae Pericarp Viride (CRPV). Strong background in the study on chemicals such as essential oils (EOs), pectins, etc. from CRP and CRPV. Proven skills in the extraction, isolation, and structural elucidation of components in CRP and CRPV. Demonstrated ability to make progress in this field. Professional communication skills include fluency in English and teamwork spirit.

Melinda H. Connor, DD

Director of Research Akamai University, Hilo Hawaii, USA

Progress in Licensing Energy Healing practices in the United States

The movement of traditional medicine into mainstream health care has been problematic in many countries. Resistance to the licensure of traditional practitioners is often significant. This presentation will review the model which has been developed in the US to nationally certify and then advance licensing of energy practitioners. It includes a matrix of goals including consumer protection, practitioner protection, implementation of quality standards and reference material available to the public. This process has been ongoing since 2010 and the model developed could be applied to many other countries. Determination of methodology, process and establishment of development goals and actual implementation of national certification and development of licensing bills and regulations will be discussed. The final results can be seen through two web sites: www.nccoep.org and www.naoep.org

Keywords: Energy Healing, Energy Medicine, Licensing, Standards Development, Consumer Protection, Practitioner Protection

Biography:

Dr. Melinda H. Connor, D.D., PH.D., AMP, holds degrees from Harvard University, Wellesley College, University of San Francisco, American Military University, California Coast University and University of Arizona and a National Institutes of Health T-32 post doctoral fellow at the University of Arizona in the Program in Integrative Medicine. Dr. Connor is the current Director of Research for Akamai University and the Chair for the Board of Directors for the National Alliance of Energy Practitioner. She is a fellow of the American Alternative Medicine Association, the founder of Earthsongs Holistic Consulting, the Resonance Modulation ™ training program and has written ten books. She has a private practice in Arizona and continues to present her research work at conferences around the world.

Mohammad Kamil

Director General, Lotus Holistic Health Institute ,Abu Dhabi UAE.

Safety of Traditional Herbal Medicines-From Farm to Firm

In spite of recent developments of antibiotics and newer synthetic drugs, a vast majority of people depend on traditional medicines for their primary health care needs and it can safely presumed that a major part of traditional therapy involves the use of plant extracts or their active principles. In the recent years with ever growing commercialization in the field of herbal medicines, there has been an instant demand for quality control of the drugs used in this system. The studies on the identity, purity and quality of the genuine drug will enhance information in checking the adulteration. A set of standards would not doubt be deterrent on substitution and adulteration and also an aid for 'Drug law Enforcement'. The present talk incorporates study from birth of the plant to its clinical application which is a dire need for all concerned to have a knowledge of GAP, GFCP, GLP, CGMP and the possible adulterations. Besides above protocols , this study deals with approaches towards establishing the Safety & Quality starting from preliminary examination of a medicinal plant, its morpho-anatomical, pharmacognostic, physicochemical and analytical parameters, foreign organic matter, pesticide residue, radioactive and microbial contamination, chemical assay, finger printing of different extractives using modern extractors , Chromatographic and Spectroscopic techniques, phytochemical screening, quantitative analysis of inorganic constituents and standardization with special reference to marker compounds in plant species and their fingerprinting along with its modern perspectives.Different stages, i.e Quality Control Studies of Raw medicinal plant, Controlled Studies on Method of Processing, Quality Control Studies of Finished Phyto Medicines, Standardization Procedures at each stage from birth of the medicinal plant up to clinical application of herbal medicine have been described. An emphasis have been given on the adulteration of pharmaceuticals in phyto pharmaceutical preparations

Keywords: Challenges; Quality Control, Standardization, Fingerprinting, Adulteration

Biography:

Professor Dr.Mohammad Kamil: Ph.D.; D.Sc. Chartered Chemist and Fellow of Royal Society of Chemistry (London), presently working as Director General of Lotus Holistic &Medical Health Institute ,Abu Dhabi, UAE. Headed the TCAM Research, Zayed Complex for Herbal Research & Trad. Medicine at DOH, A.D., UAE .A recipient of Common Wealth Award-London; Convention Award of Chemical Society-India; Association of Common Wealth Universities -London; Global Award on Unani Medicine; Sheikh Zayed International Award for Herbal Research(2020) and various other prestigious honors & awards.

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SPEAKER PRESENTATIONS

Polyalthia longifolia: A polyphenol-rich promising new anti-aging weapon

Hemagirri Manisekaran
Institute for Research in Molecular Medicine (INFORMM), Universiti Sains Malaysia, 11800 Pulau Pinang, Malaysia

Plants are an important source of medicinal compounds. One such valuable indigenous medicinal plant is Polyalthia longifolia, which has been widely used in traditional medicines. Leaves of P. longifolia, have been proven to be overwhelmingly enriched with polyphenols that may provide an antiaging action for pharmaceutical or medicinal applications. Therefore, this present study was designed to fill in this important research gap by experimentally evaluating the anti-aging activity of 1 mg/mL concentration of P. longifolia methanolic leaf extracts (PLME) using in vitro assays and in situ microscopic studies in Saccharomyces cerevisiae, strain BY611. The antiaging property of PLME was evaluated through lifespan assays, morphology-based evaluation by microscopic approaches, anti-oxidative stress, reactive oxygen species (ROS) assays, reduced glutathione (GSH) determination, real-time quantitative polymerase chain reaction (RT-qPCR), and protein activity assays. Intriguingly, PLME treatment significantly extended yeast replicative, total, and chronological lifespan while boosting their growth, Moreover treatment of PLME on yeast cells significantly ($p < 0.05$) delayed progression of apoptotic-like Type 3 vacuoles and the manifestation of typical aging intra and extracellular morphologies by decreasing ROS present while enhancing stress resistance. GSH levels also showed a considerable increase in the pre-treated yeast cells compared to untreated control yeast. Reduced ROS and enhanced GSH demonstrated that PLME exerts protective effects on yeast cells against oxidative stress-induced cell death. This could be linked to the anti-oxidative stress response activation in PLME treated yeast as PLME significantly ($p < 0.05$) acted on SIRT1, and SOD gene expressions and their enzyme regulation (SIRT1 and SOD enzymatic activities). These findings provide direct evidence for the anti-aging effects of P. longifolia and reveal its potential for promoting healthy aging.

Keywords: Polyalthia longifolia, anti-aging activity, yeast model, reactive oxygen species, oxidative stress, polyphenol.

Biography:

Hemagirri Manisekaran obtained B.Sc. in Biotechnology at Universiti Teknologi Malaysia in 2020. Since then, she is a Ph.D. candidate in Molecular Medicine under the supervision of Assoc. Prof. Dr. Sasidharan Sreenivasan at Institute for Research in Molecular Medicine, Universiti Sains Malaysia, with two published papers. Her research focus involves medicinal plants and aging research. Dr. Sasidharan Sreenivasan is an associate professor at Universiti Sains Malaysia with more than 13 years of teaching and research experience, expertise in traditional medicine and natural product, therapeutics, mycology, and bacteriology. Published over 180 research articles and several book chapters, he also serves as a reviewer to prominent journals.

Chicory against renal urate deposition by alleviating low-grade inflammation in experimental rats

Yu Wang
Beijing University of Chinese Medicine, Beijing, China

Renal urate deposition (RUD) is a metabolic disease of urate disorder, which high related to hyperuricemia and gout. Chicory is a traditional Chinese medicine with anti-hyperuricemia and anti-gout efficacy. This study aimed to evaluate the effect of chicory against RUD in experimental rats. An RUA rat model was established with oral administration of a combination of potassium oxyazinate, adenine and yeast powder, and lipopolysaccharide intraperitoneal injection. Rats were orally treated with chicory extract at the same time as modeling. Results showed the decreased total area of urate deposition in the kidney, the improvement of renal tubular dilatation, and alleviated levels of low-grade inflammatory factors in serum, including hypersensitive-CRP, IL-6 and TNF-α, were observed in RUD rats treated with chicory extract. Notably, we found a significant positive correlation between serum IL-6 level reduction and urate deposition area decrease. Meanwhile, significantly reduced expression of IL-6 in the kidney was observed in chicory extract-treated rats. However, there were no apparent differences in serum IL-1β level, serum uric acid level and renal clearance rate of uric acid between model rats and chicory extract-treated rats. Therefore, chicory may be a promising agent against RUA by alleviating low-grade inflammation.

Keywords: Renal urate deposition, Chicory, low-grade inflammation, hyperuricemia.

Biography:

Yu Wang received a Ph.D. degree in Clinical Chinese pharmacy from Beijing University of Chinese Medicine, Beijing, China, in 2020, and is currently working as a postdoc in Traditional Chinese Medicine from Beijing University of Chinese Medicine, Beijing, China. The research fields include the prevention and treatment of metabolic diseases by traditional Chinese Medicine and the pharmacovigilance and rational use of Traditional Chinese Medicine.

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3, 5-Bis [4-(diethoxymethyl) benzylidene]-1-methyl-piperidin-4-one, a novel curcumin analogue, inhibits cellular and humoral immune responses in male Balb/c mice

Dr. Laiba Arshad
Department of Pharmacy, Forman Christian College (A Chartered University), Lahore, Pakistan

Compounds containing α, β-unsaturated carbonyl based moieties such as curcumin and chalcones including their analogues and derivatives possess diverse pharmacological activities. Curcumin has low therapeutic potential due to its physicochemical limitations when administered orally. The present study was aimed to enhance the immunomodulatory activity of curcumin and chalcones through structural modification. A series of α, βunsaturated carbonyl based compounds (curcumin analogues and chalcone derivatives) and their pyrazoline derivatives were investigated for their modulatory effects on chemotactic migration, Mac-1 expression, phagocytic activity and reactive oxygen species production by human whole blood cells and isolated human polymorphonuclear neutrophils. Among all compounds tested, 3,5-bis[4- (diethoxymethyl)benzylidene]-1-methyl-piperidin-4-one (BBP) was the most potent in suppressing the sequential steps of phagocytosis. BBP was further investigated for its immunosuppressive effects on various cellular and humoral immune responses in Balb/c mice. Its effects on immune responses in the mice were determined by measuring phagocytosis, serum levels of ceruloplasmin and lysozyme, MPO plasma level, proliferation of T and B lymphocytes, T lymphocytes subsets (CD4+ and CD8+) and secretion of Th1 and Th2 cytokines as well as serum immunoglobulins (IgG and IgM) and delayed type hypersensitivity reaction (DTHR). BBP significantly and dose dependently reduced the migration of neutrophils, phagocytic activity and serum levels of ceruloplasmin and lysozyme, suppressed lymphocyte proliferation along with the downregulation of effector cells expression and release of Th1/Th2 cytokines. Reduction in DTHR and serum immunoglobulins was also observed. In conclusion, these findings suggest that the novel curcumin analogue, BBP possessed strong immunosuppressive effects

Keywords: Immunosuppressive, Immunomodulatory

Biography:

Dr. Laiba Arshad is currently working as Assistant Professor Pharmacology, Department of Pharmacy. She completed her PhD from National University of Malaysia. She has been participating in various national and international conferences and research seminars as well as served as International Conference organizer in her professional career. Also serving as Editorial board member and Reviewer of several Peer reviewed journals; published several research/review papers in peer-reviewed indexed journals. She is actively involved in natural product research and in the field of immunology.

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The Ginger-Biomedicines Act As a Preventive-Alternative-Traditional-Biomedicines Against Omicron-Like-Pathogens: Improved Clinical-Treatment-Methods-Physiology-Research-Science-Technology-Communication-Biodiversity-Wildlife-Conservation-Environment-Socioeconomy

Subhas Chandra Datta
Headmaster, Secretary and Researcher, Kanchannagar D N Das High School (HS), West Bengal, India

In 2019, the first-pandemic-outbreaks in Wuhan, China, COVID-19, caused by SARS-CoV-2, has spread worldwide quickly, badly affected our lives, physical activity, and sedentary behavior, food habits, etc., that intricately-linking-chronic-diseases, and again the recent-pandemic-wave also starts from China again and may cause a high-transmission-rate with pathogenicity of mutant-coronavirus that have made COVID-19 a serious-public-health-hazards-globally, weakening the ability of COVID-19-vaccines to prevent-SARS-CoV-2-infection-or-reinfection. To conquer this situation, the 'Ginger-Biomedicines' are used to solve all. The present paper confirms or reviews some typical Clinical-Case-Reports of COVID 19 patients treated with 'Ginger-Biomedicines', prepared from the rhizome of ginger, Zingiber officinale Rosc., at-an-extremely-low-doses as, at-random three types of clinical-treatments @ thrice /day for-45-days; mouthwash/gargle, oral, and vapor-inhalation, in the different-COVID-19-infected areas of Kanchannagar, Burdwan-Municipality. The present study once again confirms the potentiality of 'the biomedicines-Ginger-MT' act as the 'Preventive Natural Gifts' against the 'Omicron-Deltacron-Radhescron-Rupacron-Bodhicron….Futuracron-like-any-future-variants', and 'Other-Diseases' by increasing natural immunity. It will also confirm, "Only the Ginger-Biomedicines Act as a Preventive-Alternative-Traditional-Biomedicines against Omicron-Like-Future-Pathogens Improving Clinical-Treatment-Methods-Physiology-Research-Science-Technology-Communication-Biodiversity-Wildlife-Conservation-Socioeconomy-Environments". In near future from the basic-clinical-exploration-research, the combined-biomedicines of common Ginger-MT and black Ginger-MT, may consider the development of new-systems-methods-techniques, drug-design-discovery-specificity-formulation, optimizing-dosage-regimen, drug-delivery-systems-regulation, personalized-emergency-medicine, pharmacogenomics-pharmacokinetics-pharmacodynamics, analytical-sciences-nanotechnology, therapeutic-aspects, quality-control, drug-evaluation of safety and toxicity of drug-molecules, regulatory-medical-science with computational-approaches that bring together a unique and international mix of experts, scientists, researchers, and students to exchange and share their experiences and research outcomes on all elements of natural science, and provide sharing and learning about the latest research on 'Traditional Medicine' and other relevant to 'Medical-and-Health-Sciences, and it is warmly welcomed to join the 'Traditional-Medicine-2022 to improve the insight on the latest-research in natural-science as well as save the-World, and it acts-as the most-cost-effective-easily-manufacture-able-easily-applicable-easily-available-and-side-effects-free-eco-friendly-medicines".

Keywords: Ginger-Biomedicines; Preventive-Alternative-Traditional-Biomedicines; Omicron-Like-Pathogens; Improved; Clinical-Treatment-Methods; Physiology-Research-Science-Technology-Communication-Biodiversity-Wildlife-Conservation-Socioeconomy-Environments

Biography:

The research-interest-of-Dr.-Subhas-Chandra-Datta on Alternative-Traditional-Biomedicines, Education, Environment-Plant-Protection-Agriculture-Pathology-Biotechnology, Sericulture-Entomology, Tissue-Culture, Nematode-Control, Bio-agents-Allelopathy, Behavioral-Science, Clinical-Treatment-Methods, Physiology-Research, Science-Technology-Communication-Biodiversity-Wildlife-Conservation-Socioeconomy-Environments, and Homeopathy (evidence-by-more-than-97-publications-and-book). He has expertise in evaluation and a passion for improving the health-and-wellbeing. His open and contextual evaluation-model-based-on-responsive-constructivists create new pathways for improving healthcare, and he has built this model after 29 years of experience in research, evaluation, teaching, and administration both in research-and-education-institutions. His 1st-plant-based biomedicines in plant-homeopathic forms 'Cina' achieve the 'World's Top-Most-Articles' in the 'Public-Medical-Health of WHO'. His valuable work has got patented under the 'Central-Silk-Board (CSB)' in 2005. He is an honorary member of the different a-prestigious organizations.

Traditional medicinal knowlegde in quest for drug from natural sources and Manipur traditional medicinal knowledge

Dr Wangkheirakpam Sujata
Chemistry Department ,Nit Manipur ,Langol -795003,Manipur

Folk and traditional medicine systems are treatises that include a collection of the different medical approaches and practices found at a particular time in different parts of the world. Folk and traditional medicines were the only medicinal knowledge and techniques in olden times to deal many types of ailments before the modern medicine system developed. Altogether, plant,fungus, and animal products along with other minerals have been used in different formulations as prescriptions in the past by the respective healers in different countries. Ayurveda, Siddha medicine, Unani, ancient Iranian medicine, Irani, Islamic medicine, traditional Chinese medicine (TCM),etc

Biography:

She was a Research Associate with DBT RA fellowship in Institute of Bioresources and Sustainable Development(IBSD) Imphal. She has keen interest in research along with teaching. She completed her Ph.D. from Manipur University (Central University). She completed a project as a project fellow in Manipur University. She was in Guahati University for a brief period for research.She completed her Masters and graduation from Mumbai University. She has brief industrial experience in Cipla Ltd and Annapurna. She has got granted and filed patents from her Phd, postdoctoral and her present work.She has papers in reputed journals and Book chapters with reputed publishers.

Methodology of Organlanguage on Phytotherapy

Rosemarie Wagner
Traditional European Naturopathy Rosewelt Naturopathic Praxis, Switzerland, Lucerne, welcome@rosewelt.ch

Organs cooperate with each other; they are lenders and loan recipients. Organs live in partnership,in a balanced relationship with each other.Organs perform the perfect language, nurturing, balancing, sustaining, and giving the body as avehicle the best starting position for its activity.The language of the organs allows to understand the evolution of the symptoms until a developeddisease. It is about the regression of this disease until health is restored. Once the language of thebody is understood as a response to the subtle processes of the mind, the further biochemicalreactions, the nerve stimulations, the disease disappears. Man becomes mentally and physicallyhealthy and his own best doctor.Each organ stands for a multi-layered organization, for manifold processes, for great intelligenceand absolute connection to our mental power. Imagine that your thoughts precisely control the workof your cells and further of your organs. A symptom, a disease fulfills a purpose. The body lives out what the human being does not live with his spiritual and mental parts.

Biography:

Rosemarie Wagner is a federally certified naturopath in Switzerland. In 1997 she graduated from the German Paracelsus Naturopathic Institute in Heilbronn. Until 2001 she taught graduates of naturopathic schools in the German region of Stuttgart. She published several articles on the connection between thoughts and organ work. Several years of training in Zen Buddhism deepened her knowledge. In 2008 she founded the world's 1st Kinesiology Parcours in Switzerland Grisons. In 2011 she participated in a training with Prof. Dr. phil. Henry Reed / Virginia USA and created the I AM CODE, a key to one's own consciousness. In 2014 she was an exam expert for the federally certified Naturopath in Switzerland and taught at various naturopath schools in Switzerland. In 2020 she completed the master training as a hypnotist NGH National Guild of Hypnotists. Currently she has three offices in Lucerne, Berne and Zurich.

Analysis of APPROVED improved traditional medicines in Cameroon from 2015 to 2021

Minyem Ngombi-Afuh AP
Pharmacist, Lecturer, Assistant Department of Galenic Pharmacy and Pharmaceutical Legislation, Faculty of Medicine and Biomedical Sciences of the University of Yaoundé I, Yaoundé/ Cadre, Directorate of Pharmacy, Medicine and Laboratories,Yaoundé, Cameroon.

Homologation : process leading to the granting, renewal, extension or variation of the Marketing Authorisation of a medicinal product improved traditional medicines (ITM) => Low demand on the Homologation => Approved in Cameroon

Goal : Conduct a retrospective analysis of Improved Traditional Medicines approved in Cameroon between 2015 and 2021

Biography:

Pharmacist -Assistant Lecturer at the Department of Galenic Pharmacy and Pharmaceutical Legislation of the Faculty of Medicine and Biomedical Sciences of the University of Yaoundé I/Cameroon -Personnel of the Homologation Service of the Directorate of Pharmacy, Drugs and Laboratories/Ministry of Public Health of Cameroon -Passionate about Pharmacy Law and Development of Improved Traditional Medicine.

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