

Therapeutic Benefits of Natural Products Derived from Asian Medicine

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Description

Natural products are increasingly being considered as potential sources due to the lengthy pipeline for new drug development. New avenues for product identification and characterization are provided by cutting-edge analytical methods like bioinformatics, genomics, proteomics, and metabolomics. On the other hand, modern natural product chemistry should not be separated from traditional methods without considering the native uses, characteristics, and availability of the products. To get the most out of natural product value recognition, it is necessary to work together across disciplines and on a global scale. Utilizing a useful genomics approach, the venture planned to illuminate best practices and fit research on the quality, security, and viability of Customary Chinese Medication (TCM) in EU Part States. Scientists from China and Europe exchanged ideas, knowledge, and experiences to make this possible. Despite the fact that the project was completed in October 2012 with the publication of a special issue of the Journal of Ethnopharmacology, the GP-TCM consortium has maintained its status as a supportive organization by forming the GP-TCM Exploration Relationship to further energize these goals and by fostering the Relationship to expand this European-Chinese organization worldwide. These gatherings are active in proposing standard philosophical conventions and focusing on areas for future research.

Traditional Chinese Medicine (TCM) employs a distinct theoretical framework and takes a customized, all-encompassing approach to describing health and disease, based on the idea of a balance of Yin and Yang. GPTCM RA aims to promote best practices in TCM quality, safety, and efficacy research and to align research on TCM's safety and efficacy, particularly in Chinese herbal medicines and acupuncture. The 3rd Annual Meeting of the GP-TCM Research Association and the Annual Conference of the Speciality Committee of the TCM Pharmaceutical Analysis of the WFCMS were held. It was put together by the China Pharmaceutical University (CPA) and the Shanghai Institute of Materia Medica (SIMM), and over 380 people from 16 different countries attended, including: India, South Africa, China, Canada, the United States, the United Kingdom, Germany, the Netherlands, and Austria.

The presenters discussed their most recent research on traditional Chinese medicine and other traditional medicine systems. This issue of *EuJIM* contains abstracts from 45 invited speakers and eight plenary lectures. These abstracts represent only a small portion of the extensive TCM research that is being carried out all over the world. The conference covered a wide range of subjects, including chemistry, quality, pharmacology, toxicology, clinical studies, systems biology, regulatory affairs, and the discovery of new drugs. In his talk, European Regulatory Framework for Herbal Medicinal Products Challenges for Traditional Medicine, he talked about the EMA's registration and regulatory framework for herbal medicines, particularly traditional medicines. European legislation also provides professional options for non-European traditional medicines, and European community monographs harmonize various traditions in EU Member States. However, it was mentioned that access to the market for traditional medicines was severely restricted. It is necessary to employ a professional

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Received: 02 February, 2023, Manuscript No. jnp-23-90816; **Editor assigned:** 04 February, 2023, PreQC No. P-90816; **Reviewed:** 16 February, 2023, QC No. Q-90816; **Revised:** 21 February, 2023, Manuscript No. R-90816; **Published:** 28 February, 2023, DOI: [10.37421/2472-0992.2023.9.232](https://doi.org/10.37421/2472-0992.2023.9.232)

approach that satisfies the current European specialized requirements regarding the health, viability, and quality of restorative products. The development of new methods for herbal quality control and the establishment of quality standards in various pharmacopoeias were two additional topics that received extensive discussion. Proof gave a lecture on the status of TCM herbal drug quality monographs in Europe. The criteria for including Chinese herbal medicines in the European Pharmacopoeia's TCM Herbal Drug Working Program and the process by which these monographs were created were discussed by Gerhard Franz, chairman of the TCM working party. Naturally, difficulties remained for the elaboration interaction, particularly with regard to the treated (Paozhi) TCM natural medications. New approaches to herbal analysis and quality control were also extensively discussed in the section on the chemistry and quality of herbal medicines. These approaches included ambient mass spectrometry, linear calibration with two reference substances for overall quality control, capillary electromigration, supercritical fluid chromatography, chemometric modeling of analytical data, a multiple mass spectrometry-based glycomic approach, methods for identifying chemical markers, and a method for quality control of complex herbal formulas. In addition, there were a lot of talks on a wide range of topics, including current research on the TCM hypothesis, activity systems, frameworks science, toxicology, and pharmacokinetics. In addition, a particular emphasis was placed on the creation of a number of novel drugs or drug candidates by utilizing natural and traditional medicine as sources. Acupuncture, which involves inserting fine needles into the skin to stimulate specific acupuncture points to correct imbalances in the flow of qi or energy through the body's meridians or channels, is a key component of Traditional Chinese Medicine (TCM). Acupuncture's current state of the evidence base was also discussed at this conference [1-5].

Conclusion

Moxibustion, which uses heat to stimulate acupuncture points with a herbal preparation made from *Artemisia vulgaris*, is an important component of traditional Chinese medicine (TCM). Theories of immunoregulation and anti-inflammatory action have been the focus of research into potential mechanisms. Despite its use as a treatment for a wide range of conditions, most moxibustion research has taken place in China. which is about treating rheumatoid arthritis with moxibustion and was chosen as the "Editors' Choice" in part to encourage more research on this common but understudied clinical practice. The inclusion criteria were met by eight RCTs from seven databases in English and Chinese. A meta-analysis found that using moxibustion in conjunction with Western medicine for rheumatoid arthritis had positive effects, despite the fact that the majority of these trials lacked methodological quality and ran the risk of bias. Even though the results should be interpreted with caution, we hope that they will motivate others to start looking into this issue.

Acknowledgement

None.

Conflict of Interest

The authors declare that there is no conflict of interest associated with this manuscript.

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How to cite this article: Cheng, Xiaolin. "Therapeutic Benefits of Natural Products Derived from Asian Medicine." *J Pharmacogn Nat Prod* 9 (2023): 232.