



Technologies required to promote change in the cannabis medical field

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Abstract:

The use of medicinal cannabis has increased in the last decade with a large number of countries reviewing their legislation recently. Cannabinoids can be used for a large variety of conditions and it is already changing people lives. Despite recent changes in the global mentality and vision on cannabis, there is still a long way to go. The use of this therapeutic plant still faces limitations due to different economic and political reasons, and require a change in the approach from both Cannabis industry and researchers to work together into creating a new hope.

Our duty as medical researchers is to deliver superior medical products, and facilitate its access to a larger number of patients. The current misuse of cannabinoids, the high dosage and therapy costs, as well as the safety concerns translates into concerns by health professionals in prescribing these medicines. In countries that cannabis have been legalized, one of the major limitations of medical cannabis therapies is related to the inadequate products present in the market. These products lack appropriate technology and medical knowledge, despite the high level of innovation and excellence existent in the medical industry. This issue limits the prescription of this medicine in different ways, reducing patient access and discouraging health professionals. The use of scientific-proven cannabinoids or extracts in combination with pharmaceutical technologies will create the real integration or replacement of cannabis in current medical therapies.



Biography:

Roberto Paleco has also worked as a consultant in the cannabis field, due to his strong knowledge and expertise from the production to the extraction of cannabis products. His experience developed over the years from his personal passion for nature and his interest in cannabis cultivation. Based on his knowledge on plant biology and environmental research, he contributed on establishing Italian companies' production of cannabis for different purposes.

Recent Publications:

1. Development of ciprofloxacin-loaded poly(vinyl alcohol) dry powder formulations for lung delivery
2. Enhancement of the in vitro penetration of quercetin through pig skin by combined microneedles and lipid microparticles

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