

Cannabis Chronicles: Unveiling Himachal Pradesh's Green Secret

*Anshul Sharma Manjul¹, Parveen Prabha Sharma² and Charu Lata¹

¹ICAR-Indian Institute of Wheat & Barley Research, Regional Station, Flowerdale, Shimla (HP)-171002.

²Department of Biosciences, Himachal Pradesh University, Summerhill, Shimla (HP)-171005.

ARTICLE ID: 06

Introduction

Himachal Pradesh, a state nestled in the awe-inspiring Himalayas, has captivated visitors with its picturesque landscapes and tranquil charm. Yet, hidden within the valleys of this mountainous region is a lesser-known aspect of its heritage: the cultivation and consumption of marijuana, also known as cannabis. Despite the ongoing prohibition under India's Narcotic Drugs and Psychotropic Substances (NDPS) Act, cannabis cultivation persists, driven by economic necessity and cultural ties. As international attitudes toward legalization shift in recent years, India, including Himachal Pradesh, faces a critical moment in considering the potential benefits of regulated cannabis. Such regulation could generate significant revenue through taxation, create employment opportunities, and advance medical research, as seen in other Indian states like Uttarakhand and Jammu & Kashmir.



A Historical Perspective

The Vedas, ancient Hindu scriptures dating back to approximately 1400 BCE, recount a profound connection between Lord Shiva and *Cannabis indica*, a variety indigenous to the Indian subcontinent. As recounted by Aldrich (1977), a sacred narrative from Hindu texts describes the Gods churning the celestial ocean using Mount Mandara's peak, during which a drop of 'amrita' (divine nectar) descended from the heavens. Where this sacred drop touched the earth, the first cannabis plant is said to have sprouted. It was Lord Shiva who brought this plant from Mount Mandara to benefit humanity. Since then, cannabis has been intimately associated—though not exclusively—with the worship of Shiva. The account further describes how demons sought to claim the cannabis plant for their own purposes. However, the gods thwarted their attempt, leading to cannabis being known as 'vijia,' meaning "victory" (Aldrich, 1977). The Vedic texts extol cannabis as a source of happiness and liberation, a divine gift bestowed upon humanity to evoke joy, dispel fear, and aid in the pursuit of spiritual fulfilment (Abel, 1980; Sharma, 1977).

The cultural ties between Himachal Pradesh and cannabis run deep, with its use in religious, spiritual, and medicinal contexts going back centuries. Known locally as 'charas' or 'ganja', cannabis has been intricately woven into the fabric of the region's spiritual traditions. The cultivation of cannabis has traditionally been undertaken by farmers in many regions of Himachal Pradesh as a means of sustenance and livelihood. The plant's versatility, including its use in the production of textiles, ropes, and medicinal preparations, has contributed to its economic importance (Thakur et al., 2023). The historical perspective of cannabis in Himachal Pradesh offers insights into the intertwined relationship between culture, tradition, and the plant itself. The reverence for cannabis in religious practices, the economic significance for local communities, and the skills passed down through generations have all shaped its presence in the region. Understanding the historical context provides a foundation for comprehending the complexities surrounding the plant and its current legal status.

However, it is essential to note that the legal status of cannabis in India, including Himachal Pradesh, has undergone changes over time. The Narcotic Drugs and Psychotropic Substances (NDPS) Act, enacted in 1985, prohibited the possession, cultivation, and consumption of cannabis (Jothieswari et al., 2023). This legislation aimed to control the illegal drug trade and protect public health. Despite the legal restrictions, the cultivation and trade of



cannabis continue in certain pockets of Himachal Pradesh. As the global discourse on cannabis continues to evolve, and with the potential for regulatory changes on the horizon, it becomes increasingly important to consider the historical significance of cannabis in Himachal Pradesh. By exploring the historical perspective, we gain a deeper appreciation for the enduring presence of cannabis in Himachal Pradesh and its role within the region's rich tapestry of traditions and customs.

Cultural Significance

Himachal Pradesh, boasts a diverse cultural heritage that is deeply intertwined with its natural surroundings. The cultural significance of cannabis in this region reflects its connection to religious, spiritual, and traditional practices, fostering a unique and enduring bond. Cannabis holds a revered place in the religious and spiritual traditions of Himachal Pradesh (Godlaski, 2012; Hasan, 2016). One of the primary associations is with Lord Shiva, one of the principal deities in Hindu mythology. Lord Shiva is often depicted with ash-smeared skin, clad in tiger skin, and adorned with rudraksh beads. He is believed to have a profound connection to cannabis, which is said to aid in his meditative state. Devotees of Lord Shiva, known as "Shaivites," consider cannabis as a sacrament and an integral part of their religious practices. During religious festivals and ceremonies dedicated to Lord Shiva, cannabis finds its place as an offering and sacrament (Aldrich, 1977). The belief is that cannabis facilitates a deeper connection to the divine and aids in transcending worldly limitations.

The use of cannabis in Himachal Pradesh is not limited to religious and social realms. Traditional medicinal practices have also recognized its therapeutic properties (Sharma, 1977). Folk healers and practitioners of traditional medicine in the region have utilized cannabis for various ailments, including pain relief, relaxation, and appetite stimulation. In the Manikaran Valley, locals use it medicinally for arthritis, menstrual disorders, wounds, and pain relief (Rathore et al., 2018). Similarly, in Chamba district, cannabis is employed for treating ailments, with leaves and roots being the most commonly used parts (Rani et al., 2013). The plant's fibres are utilized for making ropes, while its seeds flavour traditional foods (Rathore et al., 2018).

Understanding the cultural significance of cannabis in Himachal Pradesh allows for a broader appreciation of the region's diverse heritage and traditions. The cultural ties to cannabis extend beyond spiritual practices into the livelihoods of many communities, creating both economic and legal implications.

Economic Impact of Cannabis Cultivation

The economic impact of cannabis in Himachal Pradesh is substantial, particularly in regions like Kullu, Shimla, Kinnaur and Mandi districts where the plant thrives due to favourable climatic conditions. For many farmers in Himachal Pradesh, cannabis cultivation is not merely an illegal activity but a livelihood that sustains their families and local economies. The income derived from this illicit market supports essential needs such as education, healthcare, and daily subsistence (Tribhuvan, 2018).

While cannabis cultivation remains illegal, its economic contributions cannot be overlooked. The state's natural advantages have made Himachal Pradesh a hub for cannabis enthusiasts, attracting both domestic and international tourists (Thakur, 2023). Cannabis tourism, though unofficial, has played a pivotal role in the local economy, with visitors contributing to industries like hospitality, transportation, and local handicrafts. In addition, the demand for cannabis-related products has spurred entrepreneurship, particularly in the sale of paraphernalia and accessories.

However, the illicit nature of the cannabis trade also brings with it significant challenges. The lack of a regulatory framework has led to law enforcement issues, environmental degradation, and economic instability in the affected communities. In many ways, legalization offers a path forward, not only by legitimizing the industry but also by addressing its negative externalities. A regulated cannabis market could potentially generate significant tax revenues, create formal job opportunities, and encourage sustainable agricultural practices.

The Road to Legalization of Cannabis in Himachal Pradesh

The journey towards the legalization of cannabis in Himachal Pradesh has been marked by a gradual shift in attitudes, evolving perspectives, and a growing recognition of its potential benefits. As the international dialogue on cannabis policy gains momentum, Himachal Pradesh stands at a crossroads, contemplating the path towards a regulated and legalized framework. The process of cannabis legalization in Himachal Pradesh has been influenced by various factors. One significant catalyst has been the recognition of the economic potential associated with cannabis cultivation and trade. The region's favourable climate, coupled with a long-standing tradition of cannabis cultivation, has sparked interest in exploring its industrial applications. The demand for hemp-based products, including textiles, construction materials, and health supplements, has opened up possibilities for economic growth and job creation.



One area of significant interest is the medicinal use of cannabis. Research has demonstrated the therapeutic potential of cannabis and its compounds, particularly THC and CBD, in various medical applications. Substantial evidence supports the use of cannabinoids for managing chronic pain, chemotherapy-induced nausea and vomiting, and spasticity in multiple sclerosis (Grotenhermen & Müller-Vahl, 2016; Abrams, 2018). Additionally, cannabinoids show promise in treating anxiety disorders, schizophrenia, and certain forms of epilepsy (Grotenhermen & Müller-Vahl, 2016). While there is growing interest in using cannabis and CBD oil therapeutically, more rigorous research is needed to fully establish their efficacy for conditions such as neurodegenerative diseases, PTSD, and cancer treatment (Legare et al., 2022). The endocannabinoid system plays a crucial role in modulating physiological functions, the immune system, and the central nervous system (Shah et al., 2021). By legalizing and regulating the medicinal use of cannabis, Himachal Pradesh could tap into a burgeoning market and provide alternative treatment options for patients.

In recent years, the industrial potential of cannabis has also gained attention. The fibrous stalks of the cannabis plant can be used to produce textiles, ropes, and building materials (Crini et al., 2020). The seeds contain nutritious oils that have culinary and cosmetic applications (Sorrentino, 2021). Legalizing the industrial use of cannabis in Himachal Pradesh could open up avenues for innovation, job creation, and economic growth. It could also contribute to sustainable agricultural practices, as cannabis requires fewer pesticides and fertilizers compared to other crops.

Furthermore, regulating the cultivation and trade of cannabis in Himachal Pradesh would address the challenges posed by its illegal status. The illicit market for cannabis has thrived, leading to various social and economic implications. By establishing a legal framework, the state could take control of the cultivation and distribution processes, ensuring quality standards, consumer safety, and fair-trade practices. This would not only safeguard public health but also create a regulated market that generates tax revenue for the government.

Comparative Case Studies: Lessons from Global Models

Several regions offer instructive case studies for Himachal Pradesh as it contemplates legalization. For instance, Canada's approach to cannabis regulation, which includes strict controls on quality, age restrictions, and public health campaigns, has been largely successful in curbing the black market and ensuring consumer safety (Patenaude et al., 2018). Similarly,



Uruguay's model emphasizes state control over the production and sale of cannabis, ensuring that legal markets are not monopolized by private interests (Pardal & Wadsworth, 2023). Likewise, in Colorado, USA, cannabis legalization has led to the development of a new tourism niche, offering experiences centred around education, liberation, and sensual pleasure (Keul & Eisenhauer, 2019).

Domestically, Uttarakhand's legalization of industrial hemp provides a model for Himachal Pradesh to explore. By focusing on the non-psychoactive uses of cannabis, Uttarakhand has positioned itself as a leader in the hemp industry, generating employment and encouraging sustainable agricultural practices.

Himachal Pradesh can learn from these examples by designing a tailored regulatory framework that considers the region's unique cultural and environmental context. Legalization must strike a delicate balance between economic opportunity and social responsibility, ensuring that the benefits of cannabis cultivation are widely shared without compromising public health and safety.

Conclusion

The cannabis debate in Himachal Pradesh encapsulates the complex interplay between culture, economy, and law. While it holds cultural significance and economic potential, the illicit nature of its trade poses challenges for regulation and sustainable development. As the global dialogue surrounding marijuana evolves, it is essential to approach the subject with open minds, considering the potential benefits and risks associated with legalization.

In conclusion, Himachal Pradesh has the potential to adopt regulated cannabis use, leveraging its medicinal and industrial benefits to boost economic growth, improve healthcare, and curb the illicit market. Future research and policymaking should focus on how cannabis regulation can balance cultural heritage, economic growth, and public health, ensuring that legalization efforts are grounded in both local context and global best practices. By doing so, Himachal Pradesh can achieve a harmonious balance that honours its traditions while embracing modern advancements.

References

Abel, E. L. (1980). Cannabis Comes to the New World. In *Marihuana: The First Twelve Thousand Years* (pp. 76-102). Boston, MA: Springer US

- Abrams, D. I. (2018). The therapeutic effects of Cannabis and cannabinoids: An update from the National Academies of Sciences, Engineering and Medicine report. *European journal of internal medicine*, 49, 7-11.
- Aldrich, M. R. (1977). Tantric cannabis use in India. *Journal of Psychedelic Drugs*, 9(3), 227-233.
- Crini, G., Lichtfouse, E., Chanut, G., & Morin-Crini, N. (2020). Applications of hemp in textiles, paper industry, insulation and building materials, horticulture, animal nutrition, food and beverages, nutraceuticals, cosmetics and hygiene, medicine, agrochemistry, energy production and environment: a review. *Environmental Chemistry Letters*, 1-26.
- Godlaski, T. M. (2012). Shiva, lord of bhang. *Substance use & misuse*, 47(10), 1067-1072.
- Grotenhermen, F., & Müller-Vahl, K. (2016). Medicinal uses of marijuana and cannabinoids. *Critical Reviews in Plant Sciences*, 35(5-6), 378-405.
- Hasan, K. A. (1975). Social aspects of the use of cannabis in India. *Cannabis and Culture*. Hague, Paris: Mouton Publishers, 235-246.
- Jothieswari, D., Bindu, D.H., & Nelavala, A. (2023). Deciphering the narcotic drugs and psychotropic substances act of 1985 and its enforcement guidelines in India. *Future Journal of Pharmaceuticals and Health Sciences*.
- Keul, A., & Eisenhauer, B. (2019). Making the high country: cannabis tourism in Colorado USA. *Annals of Leisure Research*, 22(2), 140-160.
- Legare, C.A., Raup-Konsavage, W.M., & Vrana, K.E. (2022). Therapeutic Potential of Cannabis, Cannabidiol, and Cannabinoid-Based Pharmaceuticals. *Pharmacology*, 107, 131 – 149.
- Pardal, M., & Wadsworth, E. (2023). Strictly regulated cannabis retail models with state control can provide lessons in how jurisdictions can regulate THC. *Addiction*, 118(6).
- Patenaude, C., Brochu, S., Fallu, J. S., Jutras-Aswad, D., & D'Arcy, L. (2018). The legal cannabis market following its legalization in Canada: avenues for reflection for an effective framework. *Canadian Journal of Public Health*, 109, 215-218.
- Rani, S., Rana, J. C., & Rana, P. K. (2013). Ethnomedicinal plants of Chamba district, Himachal Pradesh, India. *Journal of Medicinal Plants Research*, 7(42), 3147-3157.
- Rathore, S., Shashni, S., Samant, S. S., & Sundriyal, R. C. (2018). Indigenous uses of wild hemp (*Cannabis sativa*) by the local inhabitants in Manikaran Valley of Himachal



- Pradesh, North Western Himalaya. *Journal of Non-Timber Forest Products*, 25(3), 127-130.
- Shah, S.N., Gupta, A., & Kumar, P. (2021). Emerging role of cannabinoids and synthetic cannabinoid receptor 1/cannabinoid receptor 2 receptor agonists in cancer treatment and chemotherapy-associated cancer management. *Journal of Cancer Research and Therapeutics*, 17, 1 - 9.
- Sharma, G. K. (1977). Ethnobotany and its significance for Cannabis studies in the Himalayas. *Journal of Psychedelic Drugs*, 9(4), 337-339.
- Sorrentino, G. (2021). Introduction to emerging industrial applications of cannabis (*Cannabis sativa* L.). *Rendiconti Lincei. Scienze Fisiche E Naturali*, 32, 233 - 243.
- Thakur, S., Jamwal, R., & Negi, S. (2023). Ethnobotanical survey of plants used in magico-religious practices in Kullu district of Himachal Pradesh, India. *Ethnobotany Research and Applications*, 25, 1-18.
- Tribhuvan, P. (2018). Cannabis and Social Change in the Indian Himalayas. *Journal of Ethnobiology*, 38(4), 504-516.