# Traditional foods and beverages of Himachal Pradesh

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Himachal Pradesh presents anthropological, cultural, environmental and topographical diversity. Its reflection is seen in the variations of architecture of houses, clothing styles, food and food habits. The variations in availability of raw materials, environmental conditions clubbed with the time tested traditional knowledge and wisdom have made the people of different regions of this hill state to formulate, develop and perpetuate the consumption of a wide range of traditional foods and beverages unique to its places since ages. Bhatooru, siddu, marchu, seera, chilra, manna, aenkadu, sepubari, patande, doo, baari, dosha, malpude, babroo, bedvin roti, madrah, tchati, churpa, sura, chhang, kinnauri, angoori, chulli, lugri, arak/ara, rak, chukh and pickles (e.g. brinjal, lingri, bidana, peach, pear, plum, tomato, bottle gourd, etc.) made from different fruits and vegetables, etc. are some popular traditional products that are unique to the tribal and rural belts of Himachal Pradesh. Some of these products, e.g. bhatooru, chilra and tchati constitute staple food in rural areas of the state while others are prepared and consumed during marriages, local festivals and special occasions, and form part of the sociocultural life of hill people. However, the production of these foods and beverages is largely limited to household level.

Keywords: Traditional foods, Traditional beverages, Himachal Pradesh

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Himachal Pradesh is a state having number of communities, races and cultures intermingled together. The people of Himachal Pradesh have developed traditional food processing technologies for preparing the foods from locally available substrates largely governed by the ethnic preference, agroclimatic conditions, sociocultural ethos and religion. However, there may be local variation from region to region. A number of traditional foods are prepared and consumed by people in Himachal Pradesh for centuries, and these form a part of sociocultural life of the hill people<sup>1,2</sup>. However, the production of these traditional foods and beverages has been limited to household level. The know-how of traditional processes and technologies involved in the production of these products has been transferred from one generation to another. The types of traditional foods and beverages of Himachal Pradesh are unique and different from other areas.

The paper deals with the indigenous knowledge of traditional foods and beverages prepared and consumed in various regions of Himachal Pradesh. On the basis of the substrate used, the traditional

major cereals are common in almost all the parts of Himachal Pradesh. Some of them are used as staple foods, while other are used as festive foods. Most of these traditional foods are based on rice, wheat and barley and some are also prepared from other grains. These foods have been a part of staple diet in the rural areas of Himachal (specially the districts of Lahaul Spiti, Kinnaur, Chamba, Shimla, Mandi, Kangra and Kullu). These products being highly nutritious, easily prepared and conveniently preserved are very popular among the rural populations. Following are the

popular cereal and legume based foods prepared and consumed in different parts of Himachal Pradesh

foods and beverages of Himachal Pradesh can be broadly classified as (i) Cereal and legume based

foods (ii) Milk based foods (iii) Vegetables and fruits (mainly pickles) based products (iv) Cereal and fruit

Cereals and legumes meet a considerable

requirement of protein and carbohydrate of the local

population. Wheat, barley, maize, buckwheat, rice and

millet are the major cereals that are cultivated in

Himachal Pradesh. Traditional foods prepared from

based beverages, and (v) others.

Cereal and legume based foods

(Table 1).

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Table 1—Traditional cereal and legume based foods of Himachal Pradesh					
Product	Raw material	Method	Area		
Aenkadu/ Askalu	Rice flour	Made from rice flour slurry, festive dish.	Bilaspur, Hamirpur, Solan		
Aet	Wheat flour	Thin <i>roties</i> , made during marriages.	Lahaul Spiti		
Aktori	Buckwheat flour, buckwheat leaves, etc	Thick <i>roties</i> , staple food.	Lahaul Spiti		
Baari	Wheat flour	Thick paste of wheat flour cooked in water, eaten with <i>ghee</i> .	Kullu		
Babroo	Wheat flour	Fried discs made from fermented wheat flour slurry, festive dish.	Kullu, Kangra, Mandi, Bilaspur		
Bagpinni/pinni Bedvin roti	Roasted barley flour, <i>chhang/lassi</i> Wheat flour	Solid dough (uncooked) eaten during journeys.  Baked or fried <i>roties</i> .	Lahaul		
Beavin rott Bhatooru	Wheat flour	Baked fermented <i>roties</i> , staple food.	Kullu, Mandi Mandi, Kullu, Lahaul		
Бишооги	wheat nour	Baked ferniented tottes, stapic food.	Spiti		
Borhe	Black gram	Fried discs with hole in the centre, made from fermented black gram.	Kullu, Mandi, Shimla, Kangra, Chamba		
Chhangpa	Roasted barley flour, lassi, ghee	Solid dough made by mixing <i>sattu</i> and <i>lassi</i> , prepared during religious ceremonies.	Lahaul		
Chilra/ Chilte/ lwar	Buckwheat, wheat or barley flour	Made from fermented wheat /buckwheat/barley	Lahaul Spiti, Kinnaur, Kullu		
Chhura	Wheat flour, chhang, lassi, spices	slurry, staple food.  Roties, snack food.	Spiti		
Doo	Sattu (roasted barley flour)	Solid dough (cooked), occasional food.	Lahaul		
Dosha	Wheat flour	Deep fried spirals used as snack food.	Lahaul		
Gulgule	Wheat flour	Deep fried sweet pakoras made from fermented	Kullu, Kangra, Mandi		
771		wheat flour slurry, festive dish.	77		
Khatta	Gram, mango powder, walnut powder, mustard oil	Curry prepared during marriages.	Kangra		
Khawalag	Sattu (roasted barley flour), tea, ghee.	Made by mixing <i>sattu</i> , tea and <i>ghee</i> ; occasional food.	Lahaul Spiti		
Madrah	Kidney beans	Curry prepared by cooking kidney beans with <i>ghee</i> and yoghurt.	Chamba		
Marchu/Poltu/ Pole	Wheat flour	Fried roties, ceremonial food.	Lahaul Spiti, Kinnaur, Kullu		
Mande/Manna	Wheat flour	Very thin <i>roties</i> , festive food.	Solan, Lahaul Spiti		
Malpude	Wheat flour	Fried sweetened oval shaped disc, prepared during marriages.	Bilaspur		
Mangjangkori	Buckwheat bran	Thick brown coloured <i>roties</i> .	Lahaul Spiti		
Marpinni/	Sattu, ghee	Sweet dish made by mixing roasted barley flour	Lahaul Spiti		
Marjag		with ghee and sugar.			
Patande	Rice flour	Very thin <i>roties</i> , festive dish.	Chamba, Sirmaur		
Tchhoso roti	Kodra flour, fats	Thick <i>roties</i> , occasional food.	Lahaul Spiti		
Tchog	Roasted barley flour, <i>chhang</i> , <i>ghee</i> , jaggery, <i>ratanjot</i> .	Hard solid balls prepared during religious ceremonies.	Lahaul Spiti		
Tcung	Wheat flour, fats	Steam cooked wheat flour dough balls stuffed with fat mixed with <i>sattu</i> , occasional food.	Lahaul		
Teliye mah	Black gram	Semi solid.	Kangra		
Thuktal	Roasted barley flour, boiled potatoes	Steam cooked.	Spiti		
Tiskori	Wheat bran	Roties, occasional food.	Lahaul		
Warri	Black gram and ash gourd/petiole of <i>Colocasia</i> .	Sun dried solids.	Kullu, Kangra, Mandi, Bilaspur		
Siddu/khobli	Wheat flour, opium seeds, walnut, spices.	Steam cooked fermented oval dish stuffed with spiced paste of opium seeds/walnut, etc.; staple food.	Kullu, Shimla, Lahaul Spiti		
Sang	Wheat grains, peas (Spiti), horse gram, etc.	Thick soup, prepared mainly during winters.	Lahaul		
Seera	Wheat grains	Starchy white solids, sweet snack food.	Bilaspur, Hamirpur, Mandi, Kullu		
Sepubari	Black gram	Sun dried solids/ deep-fried made from fermented black gram, prepared during	Mandi, Bilaspur, Kullu, Kangra		
		marriages.	C		
Shunali	Wheat flour	Small ball shaped solids, breakfast food	Lahaul Spiti		

Most of the traditional foods prepared by people in Himachal Pradesh are cereal based but some cereal legume/legume based foods are also common. Bhatooru, marchu and chilra are indigenous leavened bread or roties and constitute the staple diet of rural people in Himachal Pradesh (Figs 1 & 2). These are prepared with the wheat/buckwheat flour dough or slurry fermented with the addition of malera or treh (which mainly consist of lactic acid bacteria and yeasts), respectively. Siddu is a traditionally fermented steam cooked oval or disc shaped dish prepared in the rural areas of Kullu, Shimla and Lahaul Spiti districts (Fig. 4). In many parts of the state, aenkadu made of rice flour is a festive dish.

In Lahaul Spiti valley, the leaves of buckwheat are mixed with wheat flour and made into cakes called, aktori. Similarly tiskori and mangjangkori are thick roties prepared from bran of wheat and buckwheat grains. Tchog is a special kind of food prepared during religious ceremonies (Fig. 3). Patande (a sort of pancake) is a specialty in the Sirmaur area prepared from rice flour. Gulgule, malpude (babroo) are sweet snacks prepared during religious and marriage ceremonies in rural and urban areas. Marchu / poltu / pole are salted roties deep fried (in mustard oil) prepared in Lahaul Spiti and Kinnaur districts, especially during the tribal festivals of phagli, halda and marriage ceremonies; is also presented to relatives and friends while visiting them. Madrah of Chamba is unique and is prepared during marriages. For the preparation of *madrah*, *rajmah* (kidney beans) are cooked properly and mixed with desi ghee, spices, salt and beaten curd. It is cooked properly and served hot with rice. Warries are also very popular in Himachal Pradesh. Warries are prepared from black gram and ash gourd (Benincasa hispida) / petioles of Colocasia. These are spicy, hollow, solid balls used as condiment in cooking with vegetables or rice<sup>3</sup>.

#### Milk based foods

In addition to cereal and legume based traditional foods, milk based foods also constitutes a vital part of diet of people of Himachal Pradesh. Livestock are an integral component of the agricultural production systems in Himachal Pradesh. Traditional milk based products (Table 2) are prepared from the milk of several species of indigenous cattle, buffalo, sheep, goats, and *churu* (hybrid of cow and yak).

In Himachal Pradesh, curd (dahi) is prepared and consumed in almost every home in village, which rear cattle. It is also called *noo* or *nuch* in Lahaul Spiti and

doyang in Kinnaur. Curd is churned, butter is separated and buttermilk (chha / boti / bot) left out is relished as a refreshing drink. The buttermilk is boiled, water is discarded and solids are dried to make churpa or churpe in Lahaul valley (Fig. 5). These are hard dried solids, which are used in preparation of soups. Kadi/ kadu or kheeru is a most popular dish made in most of the parts of state. It is prepared by cooking the buttermilk or chha with spices and a small portion of gram flour (besan). This forms a carrier of main food like rice or chapatti. Nudu is a ceremonial food prepared by cooking wheat flour in milk with small amount of salt to be eaten with ghee (Fig. 6). Similarly, kulu is made from buttermilk. Tchaku cha (salty butter tea) is an indigenous drink of Lahaul Spiti (Fig. 7). For its preparation, a special kind of black tea is used which comes in bricks of different shapes. Small amount of tea is added to water and boiled for some time. Butter, small amount of milk and salt is added and it is blended in traditional vessels called dongmo (Fig. 8).

## Vegetable and fruit based products

Plenty of temperate fruits and vegetables are grown in Himachal Pradesh. Surplus produce of many of the vegetables and fruits is processed for pickles. Although pickles are produced in all regions of the country, the pickles made in Himachal Pradesh are unique and different (Table 3). Pickles from vegetables and fruits like lingri (fern), bottle gourd, pear, peach, plum, bidana, galgal, brinjal, etc are prepared and consumed in various parts of the state especially in Kullu district (Fig. 9). They are prepared by natural fermentation of fruits and vegetables. These pickles besides having nutritional value also act as food adjunct and appetizers and add palatability to the foods. Some locally available plants such as aan / achhoka, prey, maslam, kachnar, ghandoli, lingri, tardi and some species of mushrooms, e.g. kanifru, chhachi, pili chhatri, kalakra, siun, etc., which are collected by the people from the forests during / just after the rainy season and are used in preparing vegetable curries.

# Cereal and fruit based beverages

In some tribal areas of India including Himachal Pradesh, the preparation of customary alcoholic beverages and the consumption are permitted at home scale<sup>4</sup>. There are a number of popular cereals and fruit based fermented alcoholic beverages prepared and consumed traditionally in rural areas of Himachal (Table 4). Some of the popular ones are given below:





Fig. 9 Pickles of bidana, lingri and peach



Fig. 10 Juma: Sheep's intestines filled with wheat/millet flour paste



Fig. 11 Chhang (unfiltered and filtered)

Fig.12 Chapkiyan



Fig. 13 Dham: meals served by botis, large utensils used in preparation of food

Product	Ingredient	Comments	Area
Churpe/churpa	Buttermilk	Solids recovered from buttermilk, used in soups.	Lahaul Spiti
Curd/dahi	Milk	Thick gel used as savory.	All over Himachal
Jhol	Buttermilk/curd	Curry prepared by adding spices and boiling	Mandi, Kangra
Kadi/kadu/ kheeru	Buttermilk/dahi, besan	Dahi cooked with spices and besan.	Kangra, Bilaspur
Kulu	Wheat flour, buttermilk	Semi solid dough prepared by cooking wheat flour in buttermilk used as occasional food.	Lahaul Spiti
Lassi	Milk	Non-alcoholic fermented beverage.	All over Himachal
Nudu	Milk, Wheat flour	Semi solid dough, wheat flour cooked in milk, ceremonial dish.	Lahaul Spiti
Rehru	Buttermilk, rice	Rice boiled in buttermilk.	Kullu, Mandi, Kangra, Hamirpur
Tchaku cha	Milk, green tea leaves, butter, salt	Salty non-alcoholic drink.	Lahaul Spiti

Table 3—Traditional pickles, vegetables and mushrooms of Himachal Pradesh

Product	Raw material	Comments	Area
Pickles			
Bidana (Artocarpus lackoocha Roxb.)	Bidana fruits	Semi solid mass	Kullu
Brinjal (Solanum melongena Linn.)	Brinjal	Semi solid mass	Kullu
Cauliflower (Brassica oleracea botrytis Linn.)	Inflorescence of	Semi solid mass	All over Himachal
Alef.	cauliflower.		
Galgal (Citrus psedolimon Tanaka)	Galgal fruits	Semi solid mass	Kullu
Ghia (Lagenaria siceraria Mol.) Standle	Bottle gourd	Semi solid mass	Kullu
Lingri (Diplazium esculentum Sw.)	Fresh ferns stem.	Semi solid mass	Kullu
Peach (Prunus persica Batsch)	Peach fruits	Semi solid mass	Kullu
Pear (Pyrus amygdaliformis)	Unripe pear	Semi solid mass	Kullu
Plum (Prunus domestica Linn.)	Unripe plum	Semi solid mass	Kullu
Tomato (Lycopersicon esculentum Mill.)	Unripe fruits.	Semi solid mass	Kullu
Vegetables			
Aan/Achhoka	Leaves of nettle	Leaves as vegetable.	Kullu, Lahaul Spiti
(Urtica dioica Linn.)	plant.		
Ambua/Khatiyai	Unripe mangoes.	As vegetable.	Kangra, Una
(Mangifera indica Linn.)			
Ghandoli (Silene vulgaris)	Leaves (Cow bells)	Tender leaves as vegetable.	Lahaul Spiti
Kachnar	Flower buds	Flower buds steam cooked and	Bilaspur, Hamirpur
(Bauhinia variegata Linn.)		roasted with oil and spices.	
Lingri (Diplazium esculentum Sw.)	Fresh ferns	Fern used as vegetable.	Kullu
Maslam (Barbarea intermedia)	Leaves	Tender leaves as vegetable.	Lahaul Spiti
Winter cress plant			
Patrodu	Leaves	Leaves rolled with slurry of gra	Mandi, Bilaspur, Kullu,
(Colocasia esculenta) (Linn.)		flour steam cooked and then frie	Kangra, Hamirpur, Solan
Schott		This fried preparation is used	Shimla
		snack food / eaten with roties.	
Prey (Eremurus himalaicus Baker) Foxtail lily	Leaves	Tender leaves as vegetable.	Lahaul Spiti
plant			
Tardi (Dioscorea bulbifera Linn.)	Tubers	Vegetable curry.	Mandi, Kangra
Potato yam plant			
Mushrooms			
Chhachi / mogsha	Fruiting bodies.	As vegetable.	Kullu, Kangra,
(Lactarius deliciosus Fr.)			Chamba, Mandi,
			Lahaul Spiti
Chhunchhuru	Fruiting bodies of	Fresh and dried fruiting bodies as	Kullu, Kinnaur, Chamba
(Morchella esculenta) (Linn.) Pers.	morel.	vegetable.	
			Contd.

	Table 3—Traditional	pickles, veg	etables and	mushrooms of Himachal Prad	esh—Cont	d.	
Product  Kanifru (Humaria hemisphaeria) Peeli chhatri (Cantharellus cibarius) Fr.  Siun (Ramaria botrytoides)		Raw mate	erial	Comments	Area Kangra, Mandi, Kullu, Chamba, Kinnaur		
		Fruiting b	oodies.	As vegetable.			
		Fruiting bodies.		Vegetable curry.	Mandi, Kangra, Chamba, Kullu,		
		Fruiting b	oodies.	Vegetable curry.	Kinnaur Kinnaur, Kangra, Mandi, Kullu, Chamba		
	Table 4—Tradition	onal cereal a	and fruit bas	sed beverages of Himachal Pra	desh		
Product	Raw material	l Comm		nents		Area	
Angoori/kinnauri	Grapes		Dark brown liquid, alcoholic beverage.		Kinnaur		
Ark/ara	Apple, chulli, barley, pear	r, etc.	etc. Distilled clear alcoholic beverage.		Kinnaur		
Chhang/lugri Chulli	Rice/barley Wild apricot			Cream coloured alcoholic beverage. Orange coloured alcoholic drink.		Lahaul Spiti, Kullu, Kinnaur Kinnaur	
Rak	Wild almond (Behmi chulli, etc.	) apple, Dark brown alcoholic beverage		n alcoholic beverage.	Kinnaur		
<i>Sra</i> Sura	Chhang Millet flour			Distilled clear alcoholic beverage. Brown coloured alcoholic drink.		Lahaul Spiti Kullu (Lug valley), Mandi	
	Table 5—Otho	er traditional	l foods and	beverages of Himachal Prades	h		
Product	Raw material	Fo	rm			Area	
Chakti	Jaggery	Br	Brown coloured alcoholic beverage.			Kullu	
Chukh	Red chillies	Re	Red chilly source prepared in mustard oil.			Chamba	
Geri/shakhal Juma Tchati	Mutton Sheep intestines Mutton pieces, <i>churpa</i>	$\mathbf{W}$	Large boiled pieces Wheat/millet flour dough stuffed in sheep in Soup.		testines.	Lahaul Spiti Lahaul Spiti Lahaul Spiti	

Sura is a millet (Eleucine coracana) based fermented beverage mostly prepared in Lug valley of Kullu district. It is prepared by natural fermentation of finger millet (kodra/kached) flour. Flour is knead in the form of dough and is kept for 10 fays in a container. After 10 days half-baked roties are made, put in to container and water is added. After two days, dhehli made from traditional herbs is added and it is kept for 8-10 days for fermentation. Sura is consumed during local festivals like shoeri saja and marriages in rural area in Kullu especially lug valley.

Chhang is an indigenous rice beer made in the tribal belt of Lahaul & Spiti. It is a very popular traditional alcoholic drink consumed during marriages and other local festivals. It is offered to the deities and also exchanged as an important gift during weddings and other auspicious ceremonies. Chhang is an

indispensable hospitality beverage among tribal of Lahaul valley, and is considered to provide protection against cold during winter months. The preparation of *chhang* involves solid-state fermentation of cooked rice and *phab* (the traditional inoculum) for 4-5 days. After 4-5 days, it is filtered and filtrate is called *chhang* (Figs 11 & 12). Distilled form of *chhang* is called *sra*. In Sikkim, similar kind of beverage is prepared which is called *bhaate jaanr*<sup>5</sup>.

Apart from these, various fruit based fermented beverages made from a number of local fruits are popular in Himachal Pradesh especially in Kinnaur district. *Chulli, angoori / kinnauri, arak/ara* and *rak* are prepared by fermentation of wild apricot, locally available grapes, apple / pear and wild almond respectively. These beverages have been a part of socio-cultural life of people in Kinnaur.

#### **Others**

Traditional foods and beverages (Table 5) using meat are very limited. *Juma* is a favorite dish of Lahaul Spiti prepared in winters. Wheat flour/millet flour is mixed with spices and this paste is stuffed in sheep intestines (Fig. 10). This is then steam cooked and eaten hot with *chutney* or *tchati* (mutton soup). *Geri* or *shakhal* is large mutton pieces mixed with spices and cooked in water. It is also consumed during winters especially in local festivals (*phagli* or *halda*).

## **Traditional community meals**

In some regions of Himachal Pradesh (Kullu, Kangra, Mandi and Chamba) during functions and marriages, traditional community meal is prepared which is called *dham* (Fig. 13). *Dham* is a traditional festive meal, cooked only by botis (a particular caste of Brahmins who are hereditary chefs). Preparations for this elaborate mid-day meal begin a night before. Food is cooked in big brass utensils and everyone sits on the ground in rows to have food. It is served in courses on *pattals* or leaf plates. The typical menu for a dham would start with rice and madrah of rajma (red kidney beans) cooked in yoghurt in Chamba, sepubari in Mandi district and mash dal in Kullu. This is followed by kadi and a moong dal (green lentil broth). Topped by khatta (sweet and sour sauce), the dham ends with the mittha (dessert) - sweet rice, liberally mixed with raisins and dry fruit.

#### Conclusion

A large number of traditional foods and beverages are prepared in rural and tribal areas of Himachal Pradesh. These traditional products are unique to Himachal and some of the traditional foods still form a staple diet of sizeable population of the state. Some foods and beverages are also prepared during special occasions and constitute an important part of culture and tradition of the state. Cereal and legume based foods and beverages are most popular followed by fruit, vegetable and milk based products. The preparation of most of these foods and beverages involves fermentation of raw materials available in

the region. The prevalence of traditional foods in the state is largely linked to availability of raw materials, geographical barriers, environmental conditions, and different ethnic and tribal groups. Traditional starter cultures like *phab* (consortium of microflora), *treh* (left over fermented wheat flour slurry) and *malera* (left over fermented wheat flour dough) are used as inocula/starter cultures for initiating fermentation. Many of these traditional foods need to be analyzed for nutritional and nutraceutical values.

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