

**GOVERNMENT OF INDIA
MINISTRY OF AYURVEDA, YOGA & NATUROPATHY,
UNANI, SIDDHA AND HOMOEOPATHY
(AYUSH)**

**RAJYA SABHA
STARRED QUESTION NO.19
TO BE ANSWERED ON THE 20TH JULY, 2021**

“RESEARCH AND DOCUMENTATION OF MEDICINAL PLANTS”

***19 SHRI SUJEET KUMAR:**

Will the Minister of **AYUSH** be pleased to state:

the steps taken by Government for research and documentation of the medicinal plants which are used by various tribal groups in the country for the treatment of various diseases?

**ANSWER
THE MINISTER OF AYURVEDA, YOGA & NATUROPATHY,
UNANI, SIDDHA AND HOMOEOPATHY**

(SHRI SARBANANDA SONOWAL)

A Statement is laid on the table of the House.

**STATEMENT REFERRED TO IN REPLY TO RAJYA SABHA
STARRED QUESTION NO. 19* FOR 20TH JULY, 2021**

.....

The Ministry of AYUSH through its Research Councils viz. Central Council for Research in Ayurvedic Sciences (CCRAS), Central Council for Research in Unani Medicine (CCRUM) Central Council for Research in Homoeopathy (CCRH) and Central Council for Research in Siddha (CCRS) are engaged in documentation & validation of medicinal plants used by various tribal groups for the treatment of various diseases as:

1. CCRAS has initiated the Tribal Health Care Research Programme (THCRP) under Tribal Sub Plan (TSP) programme in 1982 in Arunachal Pradesh. Presently, it is continued at 14 peripheral institutes/units of CCRAS in 14 states/UTs, for documentation & validation of Local health traditions/Folklore used by Tribes related to the therapeutic use of Medicinal Plants (**Annexure-I**). In addition, CCRAS has published the Local health traditions/ folk claims from tribal areas & other regions in the form of 22 books/monographs (**Annexure II**).

2. CCRUM has been undertaking the ‘Survey and Cultivation of Medicinal Plants’ program through its five Institutes namely the National Research Institute of Unani Medicine for Skin Disorders, Hyderabad and four Regional Research Institute of Unani Medicine, Srinagar, Aligarh, Bhadrak and Chennai (**Annexure-III**). Under the program, the Council has undertaken a series of ethno-botanical surveys in different forest division in different parts of the Country and documented 9,567 folklore claims which the Council has published in nine volumes (**Annexure IV**).

3. CCRH has a Research Centre for Medical Plants Research in Homoeopathy at Indira Nagar (Ooty), Emerald Post, Nilgiris District, Tamil Nadu. As a part of ethnobotanical surveys, in Nilgiri tribes, documentation has been done on 157 plants used by tribes for 25 different diseases. The findings are published by CCRH in the book titled, “Plants in Ethnomedicine of the Nilgiri tribes in Tamil Nadu, India” in the year 2009.

4. CCRS has undertaken research and documentation of the medicinal plant used by various tribal groups to treat various diseases. Siddha Medicinal Plants Garden (SMPG) at Mettur Dam, Salem district, Tamilnadu is among the wings of the Central Council for Research in Siddha (CCRS), Chennai. Two projects are supported under Intramural Research (IMR) as:

A) Medico-ethnobotanical study at Palamalai Hills.

B) A survey on the ethnomedicinally important plants for common ailments in Tiruppur District, Tamil Nadu.

Under these projects five publications are made (**Annexure-V**).

5. In addition, the National Medicinal Plants Board (NMPB), Ministry of AYUSH, under its Central Sector Scheme on 'Conservation, Development and Sustainable Management of Medicinal Plants' has also supported R&D projects on 'documentation & validation of medicinal plants used by tribal groups' at Mizoram, Orissa, Uttarakhand and Uttar Pradesh States for the treatment of various diseases (**Annexure-VI**).

Annexure I

Sl. No.	Names of the CCRAS Peripheral Institutes involved in Tribal Health Care Research Programme (THCRP)
1.	Central Ayurveda Research Institute, Bhubaneswar, Odisha
2.	M.S. Regional Ayurveda Research Institute, Jaipur, Rajasthan
3.	Regional Ayurveda Research Institute, Gwalior, Madhya Pradesh
4.	Regional Ayurveda Research Institute, Vijayawada, Andhra Pradesh
5.	Regional Ayurveda Research Institute, Nagpur, Maharashtra
6.	Central Ayurveda Research Institute, Bengaluru, Karnataka
7.	Regional Ayurveda Research Institute, Patna, Bihar
8.	Dr. Achanta Lakshmipati Regional Ayurveda Research Institute, Chennai, Tamil Nadu
9.	Central Ayurveda Research Institute, Guwahati, Assam
10.	Regional Ayurveda Research Institute, Gangtok, Sikkim
11.	Regional Ayurveda Research Institute, Jammu, J&K.
12.	Regional Ayurveda Research Institute, Port Blair, Andaman and Nicobar Islands.
13.	Regional Ayurveda Research Institute, Ahmedabad, Gujarat
14.	Regional Ayurveda Research Centre, Agartala, Tripura.

Annexure II

List of Books and Monographs on Medico-Botanical Wealth/ Explorations published by CCRAS

Sl. No.	Title of the Book / Monograph	Year of Publication
	Monographs	
1.	Tribal Pockets of Nilgiris Recordings of the Field Study on Medical Flora and Health Practices (English)	1976
2.	Uttarakhand Vanoushadhi Darshika (English)	1977
3.	Preliminary Techno Economical Survey of Natural Resources and Herbal Wealth of Laddakh (English)	1978
4.	Observations of Medico-Botany of Andaman-Nicobar Islands (English)	1980
5.	Contribution to the Medico-Botany of East Godavari and West Godavari District of Andhra Pradesh (English)	1989
6.	Medico-Botanical Exploration of Puri District, Orissa (English)	1989
7.	Glimpses of Medico-Botany of Bastar District, Madhya Pradesh (English)	1990
8.	Medico-Ethno-Botanical Explorations of Sikkim Himalayas (English)	1991
9.	Medico-Ethno-Botany of Sonebhadra District (English)	1993
10.	The Medico-Ethno-Botany of Lower Subansiri District, Arunachal Pradesh (English)	1993
11.	Medico-Botanical Exploration of Phulbani and Koraput districts of Orissa (English)	1996
12.	A Report on Medical Plants of Kachchh, Gujarat (English)	1998
13.	Medicinal Plants of Nagpur and Wardha Forest Divisions, Maharashtra (English)	1999
14.	Medico-Botany of Andaman & Nicobar Islands: Recent study (English)	2016

	Books	
15.	An Appraisal of Tribal Folk Medicine (English)	1999
16.	Healing Herbs of Himalaya (English)	2008
17.	Himalaya ki Arogyadayi Vanaspatiyan (Hindi)	2008
18.	Herbal Wealth of Uttrakhand, Vol. I (English)	2015
19.	Herbal Wealth of Uttrakhand, Vol. II (English)	2016
20.	Herbal Wealth of Western Ghats – Agasthyamalai (English)	2016
21.	A Hand Book on Medicinal Plants of Himalayas used in Sowa-Rigpa (English)	2016
22.	Glimpses of CCRAS Contributions (50 Glorious years), Volume III- Medicinal Plant Research. (English)	2018

Annexure-III

List of the Institutes engaged in 'Survey and Cultivation of Medicinal Plants program by CCRUM

Sl. No	Name of the Institute
1.	National Research Institute of Unani Medicine for Skin Disorders, Hyderabad.
2.	Regional Research Institute of Unani Medicine, Aligarh.
3.	Regional Research Institute of Unani Medicine, Bhadrak.
4.	Regional Research Institute of Unani Medicine, Chennai.
5.	Regional Research Institute of Unani Medicine, Srinagar.

Annexure-IV

List of the Books published by CCRUM

Sl. No	Name of the Book	Year of Publication
1.	Medicinal Plants in Folklores of Northern India (English)	2001
2.	Medicinal Plants in Folklores of Bihar and Orissa (English)	2001
3.	Medicinal Plants in Folklores of Southern India (English)	2001
4.	Medicinal Plants in Folklores of Kashmir Himalayas (English)	2001
5.	Medicinal Plants in Folklores of Northern India Part – II (English)	2006
6.	Medicinal Plants in Folklores of Southern India Part – II (English)	2006
7.	Medicinal Plants in Folklores of Orissa Part – II (English)	2006
8.	Medicinal in Folklores of Odisha Part –III (English)	2014
9.	Medicinal Plants in Folklores of Southern India Part-III (English)	2018

Annexure-V

Sl. No.	Details of publications are made under the supported projects of CCRS	Year
1.	Research article entitled "Selected Folklore Claims of Malayali Tribes of Palamalai Hills, Salem District, Tamil Nadu, India".	2018
2.	Research article entitled "Impact of Anthropogenic Pressure on the Phytodiversity of Palamalai Hills, Salem District, Tamil Nadu".	2018
3.	Research article entitled "A Study on the diversity of Medicinal plants in Palamalai hills, Salem district, Tamil Nadu".	2018
4.	Ethno-gynaecological knowledge on medicinal plants among the rural communities of Tirrupur district, Tamilnadu.	2020
5.	A survey on the floral diversity of rural areas in Udumalpet Taluk, Tiruppur District, Tamil Nadu.	2020

Annexure-VI

Details of projects supported by NMPB, Ministry of AYUSH, under its Central Sector Scheme on 'Conservation, Development and Sustainable Management of Medicinal Plants' is as:

Sr No	Project No.	Project Title	Details of Organization
1.	R&D/MZ-05/2005-06	Documentation of Ethnomedicinal plants of Mizoram	Department of Botany, Govt. Zirtiri Residential Science College, Govt. of Mizoram, Ramthar Veng, Aizwal – 796 001.
2.	R&D/AS-06/2006-07	Formulation of mosquito repellent & larvicidal bio-pesticide from certain ethnomedicinal plants of N.E. India	Department of Biotechnology, Guwahati University, Guwahati - 781 014 Assam.
3.	R&D/OR-01/2006-07	Inventory of medicinal flora and indigenous phytotherapy of tribal rich including germplasm conservation of a few Rare Endangered and Threatened species.	Regional Research Laboratory (CSIR), Bhubaneswar - 751 013, Orissa.
4.	R&D/UA-06/2006-07	A study on prioritization & categorization of ailments specific medicinal plants and their contribution in traditional health care systems of tribal & non-tribal communities of high altitude region of Alaknanda catchment of Uttarakhand	G.B. Pant Institute of Himalayan Environment and Development, Garhwal Unit, P. Box 92, Srinagar (Garhwal), Uttarakhand.
5.	R&D/UP-01/2014-15	Exploration, identification and isolation of bone fracture healing agents from Indian folk traditional plants <i>Pholidota articulata</i> and <i>Coelogyne cristata</i> (Orchidaceae)	Deptt. of Sophisticated Analytical Instrument Facility, Mass Spectrometry Lab, SAIF Divn., Central Drug Research Institute, Sitapur Road, Sector 10, Jankipuram Extension, Lucknow-226031, UP.