

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

**RAJYA SABHA
UNSTARRED QUESTION NO.02
TO BE ANSWERED ON 2nd February, 2021**

HERBAL MEDICINE RESEARCH CENTRES

2 SHRI HARNATH SINGH YADAV:

Will the Minister of **Ayurveda, Yoga and Naturopathy, Unani, Siddha and Homoeopathy** be pleased to state:

- (a) the number of herbal medicine research centres developed/ functioning in the country till date, State/UT-wise
- (b) whether Government provides training for production, extraction, storage and marketing of herbs, if so, the details thereof
- (c) whether any special scheme has been formulated to promote research in the AYUSH sector particularly for the development of quality, effectiveness and capacity of ayurvedic products, with reference to the prevailing deadly coronavirus and
- (d) if so, the details thereof along with the funds allocated for the said purpose?

**ANSWER
THE MINISTER OF STATE (IC) OF THE MINISTRY OF YOUTH AFFAIRS AND
SPORTS AND ADDITIONAL CHARGE OF MINISTER OF STATE (IC) OF THE
MINISTRY OF AYURVEDA,
YOGA & NATUROPATHY, UNANI, SIDDHA AND HOMOEOPATHY
(SHRI KIREN RIJJU)**

(a): State / UT-wise details of Research Institute / Centre / Unit which are functioning under different Research Councils of Ministry of AYUSH, Government of India for conducting various research activities including medicinal plants research, is at **Annexure-I**.

In addition, some premier research institutions under Council for Scientific and Industrial Research (CSIR) like Central Institute of Medicinal and Aromatic Plants (CIMAP), Lucknow; Indian Institute for Integrative Medicines (IIIM), Jammu; Institute of Himalayan Bioresource Technology (IHBT), Palampur; National Botanical Research Institute (NBRI), Lucknow; North East Institute of Science and Technology (NEIST), Jorhat and Directorate of Medicinal and Aromatic Plants Research (DMAPR), Anand, Gujarat under Indian Council for Agricultural Research (ICAR) are also engaged in research on herbal / medicinal plants used in herbal medicines.

(b): Yes, National Medicinal Plants Board (NMPB), Ministry of AYUSH under its central sector scheme supported training programmes, workshops, seminars for cultivation / production, processing / extraction, storage and marketing of herbs / medicinal plants in project mode in different states. During last five years a total of 21 training programmes were supported in which 93 trainers/officers and 509 farmers/stakeholders were trained on different aspects of medicinal plants. Details are at **Annexure-II**.

In addition, CSIR, through its constituent laboratories are conducting various awareness and skill development programmes on production, cultivation, processing, value addition and marketing of medicinal and aromatic plants. Department of Biotechnology (DBT) is providing research support towards training programme for demonstration of Cultivation, Processing and Value Addition of selected Aromatic Crops in Bundelkhand region. ICAR-Directorate of Medicinal and Aromatic Plants Research (ICAR-DMAPR) regularly imparts training on conservation, cultivation, extraction and storage of Medicinal and Aromatic Plants.

(c) & (d): Yes, Ministry of AYUSH has released grant-in-aid as approved by Project Approval Committee (PAC) to various research proposals for conducting studies on SARS CoV-2 infection and COVID-19 disease under the **Modified Extra Mural Research Scheme for SARS CoV-2 infection and COVID-19 disease**. The detail of the grant-in-aid released is at **Annexure-III**.

In addition, Ministry of AYUSH has been supporting and encouraging Research related COVID -19 through various initiatives. An *Interdisciplinary AYUSH Research & Development Task Force* was set-up by Ministry of AYUSH to formulate and develop strategies for AYUSH studies in COVID-19. The Interdisciplinary AYUSH Research and Development Task Force has formulated and designed clinical research protocols for studying four different interventions viz. Ashwagandha, Yashtimadhu, Guduchi + Pippali and a poly herbal formulation (AYUSH-64). Besides, M/o AYUSH has launched interdisciplinary studies involving AYUSH interventions for COVID-19 based on recommendations of Task force.

In addition, on recommendation of the sub-group of Task force with identification certain potential candidate to evaluate anti-viral and immuno-modulatory activity in SARS-CoV2, a project has been designed in consultation with DBT, Central Council for Research in Ayurvedic Sciences (CCRAS) and National Medicinal Plants Board (NMPB) under joint AYUSH-DBT Network Programme. The total project cost of Rs. 592.56 lakhs is approved, out of which National Medicinal Plants Board (NMPB), Ministry of AYUSH and DBT will contribute 50% each.

Annexure-I

State / UT-wise Details of Research Institute / Centre / Unit under different Research Councils of Ministry of AYUSH, Government of India

1. Central Council for Research in Ayurvedic Sciences (CCRAS)

Sl. No.	Name of Institute	State / Union Territory
(1)	Ayurveda Tribal Health Care Research Project, Port Blair	Andaman & Nicobar Islands
(2)	National Ayurveda Research Institute for Vector Borne Diseases, Vijayawada	Andhra Pradesh
(3)	Ayurveda Regional Research Institute, Itanagar	Arunachal Pradesh
(4)	North East India Ayurveda Research Institute, Guwahati	Assam
(5)	Ayurveda Central Research Institute, Patna	Bihar
(6)	Ayurveda Central Research Institute, New Delhi	Delhi
(7)	Ayurveda Contraceptive Drug Research Institute, Ahmedabad	Gujarat
(8)	Ayurveda Regional Research Institute, Mandi	Himachal Pradesh
(9)	Ayurveda Regional Research Institute, Jammu	Jammu & Kashmir
(10)	National Research Institute for Sowa-Rigpa, Leh	
(11)	National Ayurveda Dietetics Research Institute, Bangalore	Karnataka
(12)	Advanced Center for Ayurveda in Mental Health & Neurosciences, Bangalore	
(13)	National Research Institute for Panchakarma, Cheruthuruthy	Kerala
(14)	Ayurveda Research Institute for Mother and Child Health Care, Trivandrum	
(15)	National Research Institute for Ayurveda -Siddha Human Resource Development, Gwalior	Madhya Pradesh
(16)	National Research Institute of Basic Ayurvedic Sciences, Pune	Maharashtra
(17)	Ayurveda Cancer Research Institute , Mumbai	
(18)	Ayurveda Mental Health Research Institute, Nagpur	
(19)	Herbal Ayurveda Research Centre, Nagaland	Nagaland
(20)	National Research Institute for Ayurveda Drug Development, Bhubaneswar	Odisha
(21)	National Institute of Ayurvedic Pharmaceutical Research, Patiala	Punjab
(22)	Ayurveda Central Research Institute, Jaipur	Rajasthan
(23)	Ayurveda Regional Research Institute, Gangtok	Sikkim
(24)	Captain Srinivasa Murthy Research Institute for Ayurvedic sciences Drug Development, Chennai	Tamilnadu
(25)	Dr. Achanta Lakshmiapati Research Centre for Ayurveda, Chennai	

(26)	National Institute of Indian Medical Heritage, Hyderabad	Telengana
(27)	National Vriksha Ayurveda Research Institute, Jhansi	Uttar Pradesh
(28)	National Veterinary Ayurveda Research Institute, Lucknow	
(29)	Regional Research Institute of Himalayan Flora, Tarikhet, Ranikhet	Uttarakhand
(30)	National Research Institute for Ayurveda Drug Development, Kolkata	West Bengal

2. Central Council for Research in Unani Medicine (CCRUM)

S. No.	Name and address of the Institute
	Andhra Pradesh
1.	Clinical Research Unit Dr. Abdul Haq Unani Medical College, 40/23, Park Road, Kurnool-518 001 (Andhra Pradesh)
	Assam
2.	Regional Research Centre (RRC) S.M. Dev Civil Hospital, Silchar -788 001(Cachar) Assam
	Bihar
3.	Regional Research Institute of Unani Medicine, Guzri, Patna City, Patna– 800 008 (Bihar)
	Delhi
4.	Regional Research Institute of Unani Medicine, D-11/1, AbulFazal Enclave, Jamia Nagar, Okhla, New Delhi – 110 025.
	(Extension Centre of RRIUM, New Delhi) Unani Medical Centre, Dr. RML Hospital, New Delhi - 110 001
	(Extension Centre of RRIUM, New Delhi) Unani Speciality Centre Dr. Deen Dayal Upadhaya Hospital, New Delhi – 110 064
	(Extension Centre of RRIUM, New Delhi) Unani Medical Centre, Safdarjung Hospital New Delhi - 110 029
	AUYSH wellness Center, President Estate, New Delhi 110004
	Integrated AYUSH Clinic All India Institute of Ayurveda Sarita Vihar New Delhi-110076
5.	H. A. K. Ins. of Lit. & Hist. Res. in U. Med., (Erstwhile Literary Research Institute of Unani Medicine) Dr. M. A. Ansari Health Centre, Jamia Millia Islamia, Okhla, New Delhi – 25
6.	Drug Standardization Research Unit 61-65 Institutional Area Opp. D Block Jangpuri New Delhi

	Jammu & Kashmir
7.	Regional Research Institute of Unani Medicine, University of Kashmir Campus, Hazrat Bal, Srinagar – 190 006 (Jammu & Kashmir)
	Kerala
8.	Clinical Research Unit (Unani), Kurupatil Nina Memorial, Near Panchayat Office, P. O. Edathala (N) – 683 564 Alweye, Kerala
	Extension Research Centre for Unani (Clinical Research Unit, Edathala) Pattiam Gram Panchayat, Kannur, Kerala
	Karnataka
9.	Clinical Research Unit (Unani), National Institute of Unani Medicine, Kottigepaliya, Magadi Main Road, Bengaluru – 560 091 (Karnataka)
	Madhya Pradesh
10.	Clinical Research Unit (Unani) Department of Pharmacology Gandhi Medical College Bhopal – 462 001 (M.P.)
11.	Clinical Research Unit (Unani) S. H. Unani Tibbiya College Ganpati Naka, Burhanpur – 450 331 (M.P.)
	Maharashtra
12.	Regional Research Institute of Unani Medicine J.J. Hospital Compound, (Behind Eye Bank), Byculla, Mumbai – 400 008 (Maharashtra)
	Odisha
13.	Regional Research Institute of Unani Medicine Chandbali Bypass Road, Near Rural Police Station, Bhadrak – 756 100 (Orissa)
	Tamil Nadu
14.	Regional Research Institute of Unani Medicine, 1, West Meda Church Street Royapuram, Chennai – 600 013 (Tamil Nadu)
	Telangana
15.	National Research Institute of Unani Medicine for Skin Disorders (Erstwhile Central Research Institute of Unani Medicine) Opp. E.S.I., Hospital, A.G. Colony Road, Erragadda, Hyderabad – 500 838
	Uttar Pradesh
16.	Central Research Institute of Unani Medicine, Post & village, Basaha Kursi Road, Lucknow – 226 026 (Uttar Pradesh)
17.	Regional Research Institute of Unani Medicine, Shah Jahan Manzil Aligarh Muslim University Aligarh – 202 001 (Uttar Pradesh)
18.	Drug Standardization Research Institute PLIM, Building, Opp. 'M' Block, Sector-23 Kamla Nehru Nagar, Ghaziabad (Uttar Pradesh)

19.	Regional Research Centre (RRC) B-501/4, G.T.B. Nagar, Opp. Dulhan Palace, Kareli Allahabad – 211 016 (Uttar Pradesh)
20.	Clinical Research Unit (Unani) Cantonment General Hospital (Sotiganj) Begum Bridge, Meerut (Uttar Pradesh)
21.	Chemical Research Unit Department of Research in Unani Medicine Near Office of Dean, Faculty of Science A.M.U. Aligarh - 202002
	West Bengal
22.	Regional Research Institute of Unani Medicine, First Floor, 250A/29, G.T. Road (North) Near Jaiswal Hospital, Liluah Howrah - 711201

3. Central Council for Research in Siddha (CCRS)

Sr. No.	Siddha Hospitals / Wings	State
1)	Siddha Central Research Institute, Chennai	Tamil Nadu
2)	Siddha Clinical Research Unit, Palayamkottai	
3)	Siddha Medicinal Plants Garden, Mettur Dam	
4)	Siddha Regional Research Institute, Thiruvananthapuram	Kerala
5)	Siddha Clinical Research Unit, Bengaluru	Karnataka
6)	Siddha Clinical Research Unit, Tirupati	Andhra Pradesh
7)	Siddha Regional Research Institute, Puducherry	Puducherry
8)	Siddha Clinical Research Unit, Safdarjung, New Delhi	New Delhi

4. Central Council for Research in Homoeopathy (CCRH)

S. No.	Institute Name	State
1	Dr. D.P. Rastogi Central Research Institute (H)	Uttar Pradesh
2	Dr. Anjali Chatterjee Regional Research Institute for Homoeopathy	West Bengal
3	<u>Drug Standardisation Unit (H), Hyderabad,</u>	Telangana
4	<u>Centre of Medicinal Plants Research in Homoeopathy, Ooty</u>	Tamil Nadu

Annexure-II

1. National Medicinal Plants Board (NMPB)

Details of training programme supported during last 05 years.

S. No.	Training	Place	Year
1.	Conducting National training programs & workshop for awareness, cultivation & marketing of medicinal plants & conservation of ecosystem	Santhgiri Ashram, New Delhi	2015-16
2.	Training on " Conservation, Cultivation and post harvest management of medicinal and aromatic plants	Directorate of Medicinal and Aromatic Plants Research, anand, Gurjarat	
3.	Training Capcity Building, Workshop, Seminar and Exposure visits of Telanagana State Stakeholders on Development and Sustainable Manganement of Medicinal Plants	SMPB, Telangana, Hyderabad	
4.	Training of the Tainers in Development of GDPD and GCP	Directorate of Medicinal and Aromatic Plants Research (DMAPR), Anand, Gujarat	2016-17
5.	Training program for farmers(culation, Harvesting and value addition, Marketing and record keeping of medicinal plants produce and products)	Rajasthan State Medicinal Plants Board, jaipur	
6.	Organizing Training Programme on Cultivation of Medicinal Plants and Buyer-Seller Meet	Mahratta Chanber of Commerce, Industries & Agriculture, Senapati Bapat Road, Pune, Maharastra	
7.	Two days training Programme for Farmers and Ayurvedic Medicinal Officers (AMOs) of the Ayurveda Department, Himachal Pradesh within the state	SMPB, Shimla, Himachal Pradesh	
8.	Jadi- Booti Kheti Training program-A capcity buildiing of medicinal growers of dist. Barabanki	Utkarsh Foundation , Lucknow, Uttar Predesh	2017-18
9.	Training Programmes for Forest Officers, Agriculture Officer, AYUSH Doctors, policy makers and end user	SMPB, Rajasthan	
10.	Training on " Conservation and Cultivation of Medicinal Plants"	Indian Insititute of Horticultural Research, Bengaluru, Karnataka	
11.	Awareness & Training for cultivation of medicinal plants as sustainable livelihood option	Biome Conservation Foundation, Pune	

	around protected area		
12.	Traning on "GPS Techology Survey of Cultivated Medicinal Plants Fields and Plotting the maps on Arc View Software"	SMPB, Telangana, Hyderabad	
13.	A proposal for Training Programmes for farmers (cultivation harvesting and value addition of medicinal plants), collectors, producers, traders and other stakeholders of medicinal plants	SMPB, Rajasthan	
14.	Training program for farmers on cultivation harvesting processing storage value additon and marketing of medicinal plants products	SMPB Nagaland	
15.	Training program for farmers, collectors, producers, traders and other stakeholders of medicinal plants	Rajasthan State Medicinal Plants Board	
16.	Training Program on " Cultivation, Primary Processing after harvest processing & Marketing of Commercially Important Medicinal Plants growers of Uttar pradesh"	SMPB Uttar pradesh	2018-19
17.	Training Program on " Increase income generation and improved living standards for women, farmers and self help groups-through Medicinal Plantts Cultivation "	Tamilnadu Agriculture University, Comibatore	
18.	Two Day's training Programm for 100 AYUSH Doctors within State	Rajasthan Ayurved Vanoshadhi Vikas Samiti, Baran, Rajasthan	
19.	Training programme on Imparting knowledge on conservation, cultivation, post harvest management and marketing opportunities of medicinal and aromatic crops in Tamilnadu	Tamilnadu Agriculture University, Comibatore	
20.	Training of Officers/ Officials/ Training of farmers on GAP; GCAP and primary processing og aromatic & medicinal plants in Manipur	Manipur State Medicinal plants Board, Manipur	2019-20
21.	Training on Cultivation, Post Harvest Management & Entrepreneurship aspect of Medicinal & Aromatic Plants	Jayoti Vidyapeeth Women's Univeristy, Jaipur , Rajasthan	

Annexure-III

Details of grant-in-aid released under the Modified Extra Mural Research Scheme for SARS CoV-2 infection and COVID-19 disease:

S. No	Name of Organization	Name of the Research project	Amount released
1.	Department of Center for Advance Research, King George's Medical University KGMU, Lucknow	Evaluation of Immuno-Modulatory Potential of Selected Ayurvedic Formulations in High Risk Quarantined Subjects and Frontline Healthcare Workers in Covid-19 Care Centre	₹ 900,000
2.	Postgraduate Insititute of Medical Education & Research (PGIMER), Chandigarh	The role of Yogic breathing techniques among quarantined HCWs, Covid-19 positive and COVID 19 Convalescent patients A randomized clinical trial	₹ 746,955
3.	AVP Research Foundation, Coimbatore	An Open-labelled black box clinical study to investigate efficacy of add on personalized Ayurveda intervention in comparison to stand alone treatment based in ICMR guidelines	₹ 828,450
4.	Govt. Ayurvedic Hospital, Jammu	To evaluate the efficacy of Mahasudarshan Ghan Vati and Vyaghradi Kwath in the management of patients with Covid-19 A pilot study	₹ 900,000
5.	National Institute of Nutrition, Hyderabad	Pre-Clinical efficacy (Immune modulatory) and Safety (Regulatory Toxicology) evaluation of AYUSH formulation 'AyushKwath'	₹ 1,058,340
6.	PDEA's Ayurveda Rugnalaya and Sterling Multispecialty Hospital, Pune	Clinical trial to evaluate prophylactic action of Twakadi Herbal Tea in Police professionals working in Covid-19 pandemic	₹ 812,070
7.	National Institute of Homoemopathy, Salt Lake, Kolkata	A Community-based cluster randomized open level controlled field trial to evaluate the effectiveness of Homoeopathic Prophylaxis & standard prophylaxis against COVID-19	₹ 724,680
8.	Banaras Hindu University, Faculty of Ayurveda, ISM	Effect of Malla Chandrodaya & Ashtadashangghan vati in Patients with mild to moderate Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) infections: A Propective Observational Study	₹ 810,697
9.	Mahesh Bhattacharyya Homoeopathic Medical College & Gospital, Govt. of West Bengal, Howrah	Homoeopathic medicines in the prevention of COVID-19 among high risk individuals: A community based, randomized controlled trial	₹ 486,792
10.	PDEA's Ayurveda	Randomized comparative clinical trial to assess the	₹

	Rugnalaya and Sterling Multispecialty Hospital, Pune	efficacy of Pippali Rasayana and Nagaradi Kashaya Ghana Vati combination as an adjuvant treatment with ICMR directed therapy in Covid-19 positive mildly symptomatic cases	675,000
11.	Sarada Krishna Homoeopathic Medical College, Kulasekharam, Tamilnadu	Homoeopathy Medicines as add-on Therapy in the Management of Covid-19 cases at covid care centre in Kanyakumari District -A Clinical Trial	₹ 815,760
12.	AVP Research Foundation, Coimbatore The Director AVP Research Foundation, Coimbatore	An Open-labelled black box clinical study to investigate efficacy of add on personalized Ayurveda intervention in comparison to stand alone treatment based n ICMR guidelines	₹ 72,000
13.	School of Public Health, SRMIST, Chengalpattu, Tamil Nadu	Efficacy of Homoeopathic Prophylaxis Arsenicum Album against Covid-19 (EPAC): A Cluster randomized controlled trial	₹ 899,867
14.	Centre for Advanced Research in Indian System of Medicine (CARISM) Sastra Deemed University Thirumalaisamudram Thanjavur (TN)	Non Randomized Clinical Trial to evaluate the efficacy of Siddha medicines Nilavembu Kudineer and Kabasura Kudineer in the management of Covid - 9 patients: an investigative study	₹ 781,560
15.	D N De Homoeopathic Medical College and Hospital, Kolkata	Prophylactic effects of Homoeopathic Medicines in Kolkata during COVID-19 pandemic: A Community-based, randomized trial	₹ 751,094
16.	AyurVAID Hospital, 19th A Main JP Nagar Phase 2, Bangalore	Pre-Exposure, Ayurveda Prophylaxis for SARS-Coronavirus-2 in Healthcare Workers: A Pragmatic, Risk Stratified, Randomized Clinical Trial	₹ 940,464
17.	School of Biological Sciences (Deptt. of Genetics) Madurai Kamaraj University, Madurai	Comprehensive immunological profiling to understand the prophylactic potential of selected Siddha Medicines to combat the COVID-19 pandemics An exploratory study	₹ 895,293
18.	Narayana Medical College, Nellore, Andhra Pradesh	Clinical evaluation for the prophylactic role of traditional Siddha formulation VishasuraKudineer enlisted in Advisory of Ministry of AYUSH for COVID-	₹ 856,358
19.	Jawaharlal Nehru Medical College (JNMC), Constituent College of Datta Meghe Institute of Medical Sciences Deemed	Study of Swarna Amalaki as an Immunomodulatory in COVID 19 patients	₹ 912,996

	to be University, Wardha, Maharashtra		
20.	National Institute of Unani Medicine, Road, Bangalore	Efficacy of Unani intervention as an Adjuvant in the Management of COVID-19	₹ 596,808
21.	Jamia Hamdard, New Delhi	Clinical Evaluation of a Unani formulation as adjunct therapy/add - on therapy simultaneously with the Allopathic treatment (regimen specific) in the Covid-19 patients	₹ 952,182
22.	Symbiosis International Deemed University, Pune	To study the efficacy of add on Ayurvedic treatment to the standard of care for the management of mild & moderate cases of COVID-19	₹ 819,162
23.	Rajendra Institute of Medical Sciences, Ranchi	Adjuvant role of unani formulations (Tiryciqewabai, Arque-e-Ajeeb, Habb-e-Loban) in management of COVID-19 patients	₹ 542,241
24.	A & U Tibbia Hospital, New Delhi	"An interventional, single arm study to observe and assess the effectiveness of 'Vyaghradi Kashaya Tab' in preventing the progression of severity in asymptomatic, mild to moderate COVID-19 cases	₹ 891,000
25.	Dr M G R Medical University, Chennai	Effectiveness of Siddha Herbal Formulations (Notchikudineer and ChitrarathaiKudineer) on SARS-CoV-2 Infection among asymptomatic infected patients	₹ 797,354
26.	Swami Vivekananda Yoga Anusandhana Samsthana SVYASA, Bengaluru	Tele-yoga as an adjunct intervention for management of COVID-19, a non-randomized clinical trial	₹ 548,160
27.	Aligarh Muslim University, Aligarh (Interdisciplinary Biotechnology Unit)	A Herbal composition named FluNorm" for treating viral infections"	₹ 900,000
28.	Amity University, Noida	To evaluate the effect of homeopathic medicines on clinical features, biochemical, radiological and immunological measurements of COVID-19 patients	₹ 835,777
29.	Banaras Hindu University Varanasi, Deptt. of Medicine, IMS	A Trial of Shirashadi Kasai in Adults Hospitalized with Moderate to Severe Covid-19	₹ 835,092
30.	Government Ayurved College, Jalgaon, Maharashtra	A Clinical Evaluation of Efficacy of Ayurvedic treatment regimen as an Add-on therapy with Modern Medicine in COVID-19 A Randomized, Multi-centre, single Blind, Prospective Clinical Study	₹ 868,896

31.	A & U Tibbia Hospital, New Delhi	A single arm prospective study to evaluate the efficacy and safety of Shatyadi Kashaya and Vasavaleha combination to combat the progression of asymptomatic and mild to moderate cases of Covid-19 in to severe category	₹ 945,000
	TOTAL		Rs 24,400,048