

## Email

## Information NBRI

## Reply of Lok Sabha Question D. No. 18922

**From :** Information NBRI <info-nbri@nbri.res.in> Fri, Apr 01, 2022 05:28 PM  
**Subject :** Reply of Lok Sabha Question D. No. 18922  
**To :** Rajesh Parpyani <rajeshp@csir.res.in>  
**Cc :** ChV Rao <chvrao72@nbri.res.in>

**Subject: Reply of Lok Sabha Question D. No. 18922**  
**Ref: Your E-mail dated 01 April 2022 to Director CSIR-NBRI, Lucknow**

Dear Dr. Parpyani,

Kindly refer E-mail dated 01/04/2022, regarding Lok Sabha Question D..No. **18922**

I am directed to submit the desired information as under:

Questions		Reply
a)	whether the Government domestically and globally proposes to analyse the medical scheme to be supported by clinical tests and trials to establish domestically and globally the efficacy of 57 ayurvedic dravyas and 600 Indian medicinal plants referred in official grantha for side effect free treatments;	No information
b)	if not, the reasons therefor; and	NA
c)	whether some of these remedies have been prescribed according to the said Granthe texts and scientific studies and proved to be very effective like Arjuna bark powder and Arogyavardhini for bad cholesterol and Chyawanprash for cough and cold?	

CSIR-NBRI developed products namely BGR-34 (NBRMAP-DB) against diabetes and URO-5 against Urolithiasis based on Ayurveda texts after appropriate scientific validation and effectiveness tests.

But. no information available regarding scientific studies conducted on Arjuna bark powder and Arogyavardhini for bad cholesterol and Chyawanprash for cough and cold.

This is issued with the approval of the Director, CSIR-NBRI, Lucknow.

With Kind Regards

Yogendra Nath  
Principal Technical Officer  
Information and Publication Division  
CSIR-NBRI, Lucknow

## Email

## Information NBRI

## Reply of LS PQ 4372

**From :** Information NBRI <info-nbri@nbri.res.in> Mon, Jul 11, 2022 03:41 PM  
**Subject :** Reply of LS PQ 4372 📎 2 attachments  
**To :** Sridhar K <sridhark@csir.res.in>  
**Cc :** ChV Rao <chvrao72@nbri.res.in>

**Subject: Reply of Lok Sabha Question No. 4372**  
**Ref: Your E-mail dated 11 July 2022 to Director CSIR-NBRI, Lucknow**

Dear Sir,

Kindly refer E-mail dated 11/07/2022, regarding Lok Sabha Question **No. 4372** regarding number of minority candidates recruited by Central Government in the year 2021-2022, I am directed to submit the desired as under:

	Group A		Group B		Group C		Total A+B+C	
CSIR Lab/ Institute	Total no. of vacan cies durin g the perio d	Minor ities Selecte d during the period	Total no. of vaca ncies duri ng the perio d	Minor ities Selecte d during the period	Tota l no. of vaca ncie s duri ng the peri od	Minor ities Selecte d during the period	Tota l no. of vaca ncie s duri ng the peri od	Minori ties Selecte d during the period
CSIR-NBRI, Lucknow	04	NIL	07	NIL	14	NIL	25	NIL
<b>Total</b>	<b>04</b>	<b>NIL</b>	<b>07</b>	<b>NIL</b>	<b>14</b>	<b>NIL</b>	<b>25</b>	<b>NIL</b>

This issued with the approval of the Director, CSIR-NBRI, Lucknow.

**The reply is also being sent to you in given format.**

**Regards**  
**Yogendra Nath,**  
**Pr. Tech. Officer**  
**Information and Publication**  
**CSIR-NBRI, Lucknow**  
**0522-2297869**

 **Signed copy CoA.pdf**  
 204 KB



**LSPQ 4372-Reply from CSIR-NBRI.xlsx**  
12 KB

---

## Email

## Information NBRI

## Reply of PQ U1359

**From :** Information NBRI <info-nbri@nbri.res.in> Tue, Jul 19, 2022 04:24 PM  
**Subject :** Reply of PQ U1359  
**To :** Rajesh Parpyani <rajeshp@csir.res.in>  
**Cc :** ChV Rao <chvrao72@nbri.res.in>

**Subject: Reply of Rajya Sabha Question No. U1359**  
**Ref: Your E-mail dated 19 July 2022 to Director CSIR-NBRI, Lucknow**

Dear Sir,

Kindly refer E-mail dated 19/07/2022, regarding Rajya Sabha Question **No. U1359**, I am directed to submit the desired as under:

Sr. No	Question	Reply from CSIR-NBRI
a.	Whether the Govt has established any research centres to promote research and development on medicinal plants, if so, the details thereof	No Information. However, CSIR-NBRI maintains its own medicinal plant garden at Distant Research Centre, Banthra and CSIR-NBRI Botanic Garden at its own cost.
b.	Whether Government proposes to establish any such research centres in Andhra Pradesh, if so, the details thereof; and	No Information
c.	Whether there are any ongoing research project pertaining to medicinal plants being carried out in Andhra Pradesh and if so, the details thereof?	No Information

This is issued with the approval of the Director, CSIR-NBRI, Lucknow.

Regards  
Yogendra Nath  
Pr. Tech. Officer  
Information and Publication  
CSIR-NBRI, Lucknow  
0522-2297869

**Email****Information NBRI**

---

**Reply of PQ No. 1828**

---

**From :** Information NBRI <info-nbri@nbri.res.in>

Tue, Jul 19, 2022 05:14 PM

**Subject :** Reply of PQ No. 1828 2 attachments**To :** Mitul gupta <mitulgupta@csir.res.in>**Cc :** ChV Rao <chvrao72@nbri.res.in>

**Subject: Reply of Rajya Sabha Question No. U1828****Ref: Your E-mail dated 19 July 2022 to Director CSIR-NBRI, Lucknow**

Dear Sir,

Kindly refer E-mail dated 19/07/2022, regarding Rajya Sabha Question **No. U1828**, I am directed to submit the desired as under:

Sr. No	Question	Reply from CSIR-NBRI
a.	Whether it is a fact that Government aims to put India 'among top 5 in terms of quality of research outcome' by the year 2030	No Information
b.	If so, the steps taken for the same	Not Applicable
c.	Details regarding the number of active women scientists in the country during the last five years, year wise	Details are attached in given proforma
d.	Whether it is a fact that Government aims to have 30 percent participation of women in science by 2030	No Information
e.	If so, the steps taken for the same	Not Applicable

This issued with the approval of the Director, CSIR-NBRI, Lucknow.

The requested information is also being attached in signed PDF.

Regards  
Yogendra Nath  
Pr. Tech. Officer  
Information and Publication  
CSIR-NBRI, Lucknow  
[0522-2297869](tel:0522-2297869)

---

 **Proforma.docx**  
14 KB

 **Signed Copy By CoA PQ U1828.pdf**  
226 KB

---

## Email

## Information NBRI

## Fwd: Reply of PQ No. 3272

**From :** Information NBRI <info-nbri@nbri.res.in> Wed, Jul 20, 2022 11:28 AM  
**Subject :** Fwd: Reply of PQ No. 3272  
**To :** Mahendra P Darokar <mp.darokar@csir.res.in>

Dear Sir,

The Reply of Lok Sabha Question No. 3272 has already been sent to Dr. Rajesh Parpyani on 19/07/2022 at 4.32pm. Same is forwarded herewith for your kind Information.

With Regards,

Yogendra Nath  
 CSIR- NBRI, Lucknow

**From:** "Information NBRI" <info-nbri@nbri.res.in>  
**To:** "Rajesh Parpyani" <rajeshp@csir.res.in>  
**Cc:** "ChV Rao" <chvr72@nbri.res.in>  
**Sent:** Tuesday, July 19, 2022 4:32:27 PM  
**Subject:** Reply of PQ No. 3272

**Subject: Reply of Lok Sabha Question No. 3272**

**Ref: Your E-mail dated 18 July 2022 to Director CSIR-NBRI, Lucknow**

Dear Sir

Kindly refer E-mail dated 18/07/2022, regarding Lok Sabha Question **No. 3272**, I am directed to submit the desired as under:

Sr. No	Question	Reply from CSIR-NBRI
a.	Whether the Govt has undertaken any study/survey to identify and map the indigenous medicinal/aromatic plants and herbs across the country	Yes, CSIR-NBRI has undertaken survey of few medicinal/aromatic plants and herbs
b.	if so, the details thereof;	Some of the species on which work has been carried out at CSIR-NBRI are <i>Gloriosa superba</i> , <i>Acorus calamus</i> , <i>Coleus forskohlii</i> , <i>Centella asiatica</i> , <i>Costus speciosus</i> , <i>Hemidesmus indicus</i> , <i>Bacopa monerii</i> with financial support from NMPB, ICAR and CSIR in-house scheme. CSIR-NBRI has also been conducting surveys for medicinal herbs in Himalayan and hilly regions of the country. This includes exploration of mountain areas for medicinal plants with new therapeutic properties as well as known medicinal properties
c.	the step taken/proposed to be taken by the Govt for the conservation, cultivation and commercial exploitation of indigenous medicinal/aromatic plants along with funds earmarked, allocated and utilized for the purpose during the last three years and the current year State/UT wise	Department of Biotechnology has provided research grant for promoting cultivation and herbal product development using locally available high value medicinal and aromatic plants such as <i>Alpinia galanga</i> , <i>Zanthoxylum armatum</i> , <i>Gaultheria fragrantissima</i> and <i>Piper longum</i> in the states of North-East, India. CSIR-NBRI with the collaboration of North-East, Indian institutes has been planted <i>Zanthoxylum armatum</i> , <i>Gaultheria fragrantissima</i> and <i>Piper longum</i>

		successfully. Moreover, using these plant bio-resources, CSIR-NBRI has developed oral care herbal products such as Toothpaste and Toothache gel which have also been licensed to the pharma company for their commercialization. Funds allocated by DBT is Rs. 86.969 Lakhs.
d.	the details of the proposals received for the state/UTs for the aforesaid purpose along with the action taken/proposed to be taken by the Govt thereon, State/UT-wise	No Information
e.	whether the Government has any proposal to set up research institutes to conduct research/study on the medicinal and aromatic use of indigenous herbs and plants and	No information
f.	if so, the details thereof, State/UT-wise?	Not Applicable

This is issued with the approval of the Director, CSIR-NBRI, Lucknow.

Regards  
Yogendra Nath  
Pr. Tech. Officer  
Information and Publication  
CSIR-NBRI, Lucknow  
[0522-2297869](tel:0522-2297869)

---

**From :** Information NBRI <info-nbri@nbri.res.in> Tue, Jul 19, 2022 04:32 PM  
**Subject :** Reply of PQ No. 3272  
**To :** Rajesh Parpyani <rajeshp@csir.res.in>  
**Cc :** ChV Rao <chvrao72@nbri.res.in>

**Subject: Reply of Lok Sabha Question No. 3272**

**Ref: Your E-mail dated 18 July 2022 to Director CSIR-NBRI, Lucknow**

Dear Sir

Kindly refer E-mail dated 18/07/2022, regarding Lok Sabha Question **No. 3272**, I am directed to submit the desired as under:

Sr. No	Question	Reply from CSIR-NBRI
a.	Whether the Govt has undertaken any study/survey to identify and map the indigenous medicinal/aromatic plants and herbs across the country	Yes, CSIR-NBRI has undertaken survey of few medicinal/aromatic plants and herbs
b.	if so, the details thereof;	Some of the species on which work has been carried out at CSIR-NBRI are <i>Gloriosa superba</i> , <i>Acorus calamus</i> , <i>Coleus forskohlii</i> , <i>Centella asiatica</i> , <i>Costus speciosus</i> , <i>Hemidesmus indicus</i> , <i>Bacopa monerii</i> with financial support from NMPB, ICAR and CSIR in-house scheme. CSIR-NBRI has also been conducting surveys for medicinal herbs in Himalayan and hilly regions of the country. This includes exploration of mountain



		areas for medicinal plants with new therapeutic properties as well as known medicinal properties
c.	the step taken/proposed to be taken by the Govt for the conservation, cultivation and commercial exploitation of indigenous medicinal/aromatic plants along with funds earmarked, allocated and utilized for the purpose during the last three years and the current year State/UT wise	Department of Biotechnology has provided research grant for promoting cultivation and herbal product development using locally available high value medicinal and aromatic plants such as <i>Alpinia galanga</i> , <i>Zanthoxylum armatum</i> , <i>Gaultheria fragrantissima</i> and <i>Piper longum</i> in the states of North-East, India. CSIR-NBRI with the collaboration of North-East, Indian institutes has been planted <i>Zanthoxylum armatum</i> , <i>Gaultheria fragrantissima</i> and <i>Piper longum</i> successfully. Moreover, using these plant bio-resources, CSIR-NBRI has developed oral care herbal products such as Toothpaste and Toothache gel which have also been licensed to the pharma company for their commercialization. Funds allocated by DBT is Rs. 86.969 Lakhs.
d.	the details of the proposals received for the state/UTs for the aforesaid purpose along with the action taken/proposed to be taken by the Govt thereon, State/UT-wise	No Information
e.	whether the Government has any proposal to set up research institutes to conduct research/study on the medicinal and aromatic use of indigenous herbs and plants and	No information
f.	if so, the details thereof, State/UT-wise?	Not Applicable

This is issued with the approval of the Director, CSIR-NBRI, Lucknow.

Regards  
Yogendra Nath  
Pr. Tech. Officer  
Information and Publication  
CSIR-NBRI, Lucknow  
[0522-2297869](tel:0522-2297869)

## Email

## Information NBRI

## Fwd: Reply of PQ 5450

**From :** Information NBRI <info-nbri@nbri.res.in> Fri, Jul 22, 2022 01:15 PM  
**Subject :** Fwd: Reply of PQ 5450 📎 1 attachment  
**To :** Rajesh Parpyani <rajeshp@csir.res.in>  
**Cc :** ChV Rao <chvrao72@nbri.res.in>

Dear Sir,

Please find attached forwarded reply.

Thanks

---

**From:** "Information NBRI" <info-nbri@nbri.res.in>  
**To:** "Rajesh Parpyani" <rajeshp@csir.res.in>  
**Cc:** "ChV Rao" <chvrao72@nbri.res.in>  
**Sent:** Wednesday, July 20, 2022 5:38:46 PM  
**Subject:** Reply of PQ 5450

**Subject: Reply of Lok Sabha Question No. 5450**

**Ref: Your E-mail dated 20 July 2022 to Director CSIR-NBRI, Lucknow**

Dear Sir

Kindly refer E-mail dated 20/07/2022, regarding Lok Sabha Question **No. 5450**, I am directed to submit the desired as under:

Sr. No	Question	Reply from CSIR-NBRI
a.	The details of efforts being made by the Government to conserve the natural and wild medicinal plants and herbs	CSIR-National Botanical Research Institute (NBRI), Lucknow has initiated a project on Conservation of 100 threatened plants of India, out of which 21 angiosperms (flowering plants), one Gymnosperm and one Pteridophyte are under critically endangered category (List attached as Annexure I). These plants are on the verge of extinction and need special attention from the conservation perspectives. Many of these are medicinal plants.
b.	Whether it is proposes to set up medicinal plants conservation centres at district level, in future, including Uttar Pradesh and Madhya Pradesh	No Information
c.	The kind of special efforts being made by the Government for promoting natural medicine system and farming of medicinal plants and herbs and	Yes, Govt. of India has taken steps for the conservation of Medicinal Plants under various schemes under different Government department.
d.	If so, the details thereof:	National Medicinal Plants Board (NMPB), New Delhi funded a project entitled "Identification of substitutes for traded drug Chirayata ( <i>Swertia</i> species)" to CSIR-NBRI with the aim to identify the substitute species of drug 'Chirayata' so that identified substitute species can be cultivation in Uttarakhand, Himachal Pradesh and North-East. Further, CSIR-NBRI,

		<p>Lucknow has undertaken different sponsored projects from ICAR – National Agricultural Innovation projects and ICAR – The National Fund for Basic, Strategic and Frontier Application Research in Agriculture, New Delhi with the aim to identify the best suitable agro-climatic conditions for cultivation of industrially important medicinal plants in different phytogeographical zones of the country and also their relationship with secondary metabolites. some industrially important medicinal &amp; aromatic plants viz. <i>Acorus calamus</i>, <i>Tribulus terrestris</i>, <i>Sida cordifolia</i>, <i>Desmodium gangeticum</i>, <i>Asparagus racemosus</i>, <i>Gymnema sylvestre</i>, <i>Hedychium spicatum</i>, <i>Origanum vulgare</i>, <i>Centella asiatica</i>, <i>Gloriosa superba</i> and <i>Valeriana jatamansi</i>.</p>
--	--	--

This issued with the approval of the Director, CSIR-NBRI, Lucknow.

Regards  
Yogendra Nath  
Pr. Tech. Officer  
Information and Publication  
CSIR-NBRI, Lucknow  
[0522-2297869](tel:0522-2297869)

 **Annexure I.docx**  
19 KB

**From :** Information NBRI <info-nbri@nbri.res.in> Wed, Jul 20, 2022 05:38 PM  
**Subject :** Reply of PQ 5450  1 attachment  
**To :** Rajesh Parpyani <rajeshp@csir.res.in>  
**Cc :** ChV Rao <chvrao72@nbri.res.in>

**Subject: Reply of Lok Sabha Question No. 5450**

**Ref: Your E-mail dated 20 July 2022 to Director CSIR-NBRI, Lucknow**

Dear Sir

Kindly refer E-mail dated 20/07/2022, regarding Lok Sabha Question **No. 5450**, I am directed to submit the desired as under:

Sr. No	Question	Reply from CSIR-NBRI
a.	The details of efforts being made by the Government to conserve the natural and wild medicinal plants and herbs	CSIR-National Botanical Research Institute (NBRI), Lucknow has initiated a project on Conservation of 100 threatened plants of India, out of which 21 angiosperms (flowering plants), one Gymnosperm and one Pteridophyte are under critically endangered category (List attached as Annexure I). These plants are on the verge of extinction and need special attention from the conservation perspectives. Many of these are medicinal plants.
b.	Whether it is proposes to set up medicinal plants conservation centres at district level, in future, including Uttar Pradesh and Madhya Pradesh	No Information

c.	The kind of special efforts being made by the Government for promoting natural medicine system and farming of medicinal plants and herbs and	Yes, Govt. of India has taken steps for the conservation of Medicinal Plants under various schemes under different Government department.
d.	If so, the details thereof:	National Medicinal Plants Board (NMPB), New Delhi funded a project entitled "Identification of substitutes for traded drug Chirayata ( <i>Swertia</i> species)" to CSIR-NBRI with the aim to identify the substitute species of drug 'Chirayata' so that identified substitute species can be cultivation in Uttarakhand, Himachal Pradesh and North-East. Further, CSIR-NBRI, Lucknow has undertaken different sponsored projects from ICAR – National Agricultural Innovation projects and ICAR – The National Fund for Basic, Strategic and Frontier Application Research in Agriculture, New Delhi with the aim to identify the best suitable agro-climatic conditions for cultivation of industrially important medicinal plants in different phytogeographical zones of the country and also their relationship with secondary metabolites. some industrially important medicinal & aromatic plants viz. <i>Acorus calamus</i> , <i>Tribulus terrestris</i> , <i>Sida cordifolia</i> , <i>Desmodium gangeticum</i> , <i>Asparagus racemosus</i> , <i>Gymnema sylvestre</i> , <i>Hedychium spicatum</i> , <i>Origanum vulgare</i> , <i>Centella asiatica</i> , <i>Gloriosa superba</i> and <i>Valeriana jatamansi</i> .

This issued with the approval of the Director, CSIR-NBRI, Lucknow.

Regards  
Yogendra Nath  
Pr. Tech. Officer  
Information and Publication  
CSIR-NBRI, Lucknow  
[0522-2297869](tel:0522-2297869)

---

 **Annexure I.docx**  
19 KB

---

## Email

## Information NBRI

## Reply of RS PQ U2315

**From :** Information NBRI <info-nbri@nbri.res.in> Fri, Jul 22, 2022 05:43 PM  
**Subject :** Reply of RS PQ U2315  
**To :** Mahendra P Darokar <mp.darokar@csir.res.in>  
**Cc :** ChV Rao <chvrao72@nbri.res.in>

**Subject: Reply of Rajya Sabha Question No. U2315**  
**Ref: Your E-mail dated 22 July 2022 to Director CSIR-NBRI, Lucknow**

Dear Sir,

Kindly refer E-mail dated 22/07/2022, regarding Rajya Sabha Question **No. U2315**, I am directed to submit the desired as under:

Sr. No	Question	Reply from CSIR-NBRI
a.	Whether any scheme for development of AYUSH entrepreneurship is being chalked out to promote AYUSH sector in the country, State UT wise particularly in Punjab	No Information
b.	If so, the details thereof	Not Applicable
c.	Whether any proposal has been formulated to include youth and scientists in nation building opportunities in various sector like research innovation, management, medical higher education	No Information
d.	If so, the details thereof	Not Applicable

This issued with the approval of the Director, CSIR-NBRI, Lucknow.

Regards  
Yogendra Nath  
Pr. Tech. Officer  
Information and Publication  
CSIR-NBRI, Lucknow  
[0522-2297869](tel:0522-2297869)

## Email

## Information NBRI

## Reply of PQ 8470

**From :** Information NBRI <info-nbri@nbri.res.in> **Mon, Jul 25, 2022 03:41 PM**  
**Subject :** Reply of PQ 8470  1 attachment  
**To :** Sridhar K <sridhark@csir.res.in>

**Subject: Reply of Lok Sabha Question No. 8470**  
**Ref: Your E-mail dated 25 July 2022 to Director CSIR-NBRI, Lucknow**

Dear Sir,

Kindly refer E-mail dated 25/07/2022, regarding Lok Sabha Question **No. 8470** regarding, I am directed to submit the desired as under:

**Name of the Lab/ Institute:** CSIR-National Botanical Research Institute, Lucknow

No. of Scientist Post Sanctioned in the Lab	No. of Scientist Working in the Lab	No. of Scientist post lying vacant
100	59	41

This issued with the approval of the Director, CSIR-NBRI, Lucknow.

Regards  
Yogendra Nath  
Pr. Tech. Officer  
Information and Publication  
CSIR-NBRI, Lucknow  
[0522-2297869](tel:0522-2297869)

 **PQ 8470 signed copy NBRI.pdf**  
101 KB

## Email

## Information NBRI

## Reply of PQ S3321

**From :** Information NBRI <info-nbri@nbri.res.in> Tue, Jul 26, 2022 04:22 PM  
**Subject :** Reply of PQ S3321  
**To :** Vandana Digvijay Singh <vandanadsingh@csir.res.in>  
**Cc :** rsb@csir.nic.in, Atul Dhawan <atul.csir@nic.in>, ChV Rao <chvrao72@nbri.res.in>

**Subject: Reply of Rajya Sabha Question No. S3321**  
**Ref: Your E-mail dated 25 July 2022 to Director CSIR-NBRI, Lucknow**

Dear Madam,

Kindly refer E-mail dated 25/07/2022, regarding Rajya Sabha Question **No. S3321**, I am directed to submit the desired information as under:

Proforma for furnishing information on provisionally admitted Question for the Rajya Sabha Starred /Unstarred Diary No. S3321 to be put down for 04.08.2022 regarding expenditure on Government Officers visits abroad

Name of Ministry	Name of Department	Officers sent abroad during last five years (from FY 2017-18 to 2021-22) for				
		Training	Workshops	Conference	Studies	Other meeting
Number of officers		-	3	3	-	12
Expenditure (in Rs.)		-	Rs. 83215.00	-	-	Rs. 353530.00

**Note: Participation in two Workshops, three Conferences and nine Other Meetings were at no cost to CSIR-NBRI.**

This issued with the approval of the Director, CSIR-NBRI, Lucknow.

Regards  
Yogendra Nath  
Pr. Tech. Officer  
Information and Publication  
CSIR-NBRI, Lucknow  
[0522-2297869](tel:0522-2297869)

## Email

## Information NBRI

## Reply of Rajya Sabha Question No. 1763

**From :** Information NBRI <info-nbri@nbri.res.in> Wed, Jul 27, 2022 04:44 PM  
**Subject :** Reply of Rajya Sabha Question No. 1763 1 attachment  
**To :** kavitatyagii@gmail.com  
**Cc :** ChV Rao <chvrao72@nbri.res.in>

**Subject: Reply of Rajya Sabha Question No. 1763****Ref: Your E-mail dated 27July 2022 to Director CSIR-NBRI, Lucknow**

Dear Dr. Tyagi,

Kindly refer E-mail dated 27/07/2022, regarding Rajya Sabha Question No.- 1763, The desired information as under:

S.No	Question Asked	Response/Reply from CSIR-NBRI
(a)	whether the National Medicinal Plants Board (NMPB) has allocated funds under the "Pradhan Mantri VRIKSH AYUSH Yojana" to boost the cultivation, production, to establish post-harvest Management Infrastructure and marketing of medicinal plants and herbs in the country, Tamil Nadu in particular;	No Information
(b)	if so, the details thereof;	NA
(c)	the scientific steps taken by Government for the development of quality planting material of medicinal plants and herbs in different agro-climatic zones;	No information, However, CSIR-NBRI is involved in propagating quality plant material to improve plant health, value and performance.
(d)	whether NMPB has also signed MoU with National Botanical Research Institute -CSIR for the development of Quality Planting Material of medicinal plants and herbs; and	Yes, MoU Copy attached

This issued with the approval of the Director, CSIR-NBRI, Lucknow.

Regards  
 Yogendra Nath  
 Pr. Tech. Officer  
 Information and Publication  
 CSIR-NBRI, Lucknow  
[0522-2297869](tel:0522-2297869)

 **NMBP AND NBRI MoU.pdf**  
 2 MB





## Email

## Information NBRI

## Reply of PQ 2816

**From :** Information NBRI <info-nbri@nbri.res.in> Fri, Jul 29, 2022 12:41 PM  
**Subject :** Reply of PQ 2816  1 attachment  
**To :** Section Officer <sohrii@csir.res.in>, MayankMathur  
MayankMathur <mm@csir.res.in>  
**Cc :** ChV Rao <chvrao72@nbri.res.in>

**Subject: Reply of Lok Sabha Question No. 2816**  
**Ref: Your E-mail dated 28 July 2022 to Director CSIR-NBRI, Lucknow**

Dear Sir

Kindly refer E-mail dated 28/07/2022, regarding Lok Sabha Question **No.2816**, I am directed to submit the desired as under:

**Details of Young scientists (Up to Principal Scientists) working at CSIR Laboratories/ Institutions including CSIR Hqrs. during the last three years and the current year (Till Date)**

Lab./ Institute	2019	2020	2021	2022 (Till Date)
CSIR-NBRI, Lucknow	28	35	36	37

This issued with the approval of the COA, CSIR-NBRI, Lucknow.

Regards

Yogendra Nath

Pr. Tech. Officer

Information and Publication

CSIR-NBRI, Lucknow

[0522-2297869](tel:0522-2297869)

---

 **COA Signed Copy.pdf**  
302 KB

---

## Email

## Information NBRI

**RE: Reply of PQ No. 8589**

**From :** K Venkatasubramanian <venkat@csir.res.in> Fri, Jul 29, 2022 03:07 PM  
**Subject :** RE: Reply of PQ No. 8589  
**To :** Information NBRI <info-nbri@nbri.res.in>

Thank you for your inputs.

---

**From:** Information NBRI <info-nbri@nbri.res.in>  
**Sent:** 29 July 2022 15:00  
**To:** K Venkatasubramanian <venkat@csir.res.in>  
**Cc:** ChV Rao <chvrao72@nbri.res.in>  
**Subject:** Reply of PQ No. 8589

**Subject: Reply of Lok Sabha Question No. 8589**  
**Ref: Your E-mail dated 28 July 2022 to Director CSIR-NBRI, Lucknow**

**Dear Dr. Venkatasubramanian**

Kindly refer E-mail dated 28/07/2022, regarding Lok Sabha Question No.- 8589, The desired information as under:

S.No	Question Asked	Response/Reply from CSIR-NBRI
(a)	whether less research has been done in the field of medicinal plants in the country to harness its huge potential along with its utility and development;	Nil information, However, CSIR-NBRI is involved in propagation of medicinal plants to improve utility, health and value of herbal product
(b)	if so, the details thereof;	NA
(c)	Whether the Government proposes to start an internship for research on medicinal plants and to promote the sector: and;	Nil information, However, CSIR-NBRI provides quality human resource at various levels in the field of agriculture, horticulture, floriculture, herbal drugs, biotech and pharma sectors
(d)	if so, the details thereof;	NA

This issued with the approval of the Director, CSIR-NBRI, Lucknow.

Regards  
Yogendra Nath  
Pr. Tech. Officer  
Information and Publication  
CSIR-NBRI, Lucknow  
[0522-2297869](tel:0522-2297869)

vek



**From :** Information NBRI <info-nbri@nbri.res.in> Fri, Jul 29, 2022 02:59 PM  
**Subject :** Reply of PQ No. 8589  
**To :** K Venkatasubramanian <venkat@csir.res.in>  
**Cc :** ChV Rao <chvrao72@nbri.res.in>

**Subject: Reply of Lok Sabha Question No. 8589**  
**Ref: Your E-mail dated 28 July 2022 to Director CSIR-NBRI, Lucknow**

**Dear Dr. Venkatasubramanian**

Kindly refer E-mail dated 28/07/2022, regarding Lok Sabha Question No.- 8589, The desired information as under:

S.No	Question Asked	Response/Reply from CSIR-NBRI
(a)	whether less research has been done in the field of medicinal plants in the country to harness its huge potential along with its utility and development;	Nil information, However, CSIR-NBRI is involved in propagation of medicinal plants to improve utility, health and value of herbal product
(b)	if so, the details thereof;	NA
(c)	Whether the Government proposes to start an internship for research on medicinal plants and to promote the sector: and;	Nil information, However, CSIR-NBRI provides quality human resource at various levels in the field of agriculture, horticulture, floriculture, herbal drugs, biotech and pharma sectors
(d)	if so, the details thereof;	NA

This issued with the approval of the Director, CSIR-NBRI, Lucknow.

Regards  
Yogendra Nath  
Pr. Tech. Officer  
Information and Publication  
CSIR-NBRI, Lucknow

0522-2297869  
vek

---

## Email

## Information NBRI

---

**Fwd: Reply of PQ NO. 10474**

---

**From :** Information NBRI <info-nbri@nbri.res.in> Fri, Jul 29, 2022 07:42 PM  
**Subject :** Fwd: Reply of PQ NO. 10474  1 attachment  
**To :** K Venkatasubramanian <venkat@csir.res.in>  
**Cc :** ChV Rao <chvrao72@nbri.res.in>

\*Subject: Reply of Lok Sabha Question No. 10474\*

\*Ref: Your E-mail dated 29 July 2022 to Director CSIR-NBRI, Lucknow\*

Dear Dr. Venkatasubramanian

Kindly refer E-mail dated 29/07/2022, regarding Lok Sabha Question No.- 10474, The desired information as under:

\*S.No\*

\*Question Asked\*

\*Response/Reply from CSIR-NBRI\*

(a)

Whether the Government has formulated any special plan for the development and conservation of rare medicinal plants found in Rajasthan and other States;

Information specifically about Rajasthan is not available with the institute. Some of the details about other states are as follows:

- Survey conducted in Kumaun Himalayan Region (Uttarakhand) revealed 102 medicinal herbs in the region
- Survey of the Tons Valley (Garhwal) Himalaya) revealed 115 medicinal plants.
- Under ICAR funded projects, CSIR-NBRI has conducted survey in different phyto-geographical zones of the country including hilly areas for studies on important medicinal plants, namely: \*Tribulus terrestris\*, \*Acorus calamus\*, \*Sida cordifolia\*, \*Desmodium gangeticum\*, \*Asparagus

racemosus\*, \*Gymnema  
 sylvestre\*, \*Hedychium spicatum\*, \*Origanum vulgare\*, \*Valeriana  
 jatamansi\*,  
 \*Gloriosa superba, \*\*Commiphora wightii \*and \*Coleus forskohlii.\*

CSIR-NBRI also has Herbal Garden for conservation, propagation and popularization of medicinal and aromatic plants.

(b)

If so, the details thereof, state-wise and the areas where such medicinal plants are available in Rajasthan

List of projects undertaken/being undertaken by CSIR-NBRI is attached as per Annexure I

(c)

Whether the Government provides financial assistance to the States for the development and promotion of Ayush, and

No information.

(d)

If so, the details of the amount provided for the development and promotion of Ayush during the last three financial years, state-wise including Rajasthan

Not Applicable.

---

 **Annexure I.docx**  
 14 KB

---

<b>From :</b> ynath1963@gmail.com	Fri, Jul 29, 2022 06:57 PM
<b>Subject :</b> Reply of PQ NO. 10474	 1 attachment
<b>To :</b> Information NBRI <info-nbri@nbri.res.in>, rajatraj89@gmail.com	

**Subject: Reply of Lok Sabha Question No. 10474**  
**Ref: Your E-mail dated 29 July 2022 to Director CSIR-NBRI, Lucknow**

**Dear Dr. Venkatasubramanian**

Kindly refer E-mail dated 29/07/2022, regarding Lok Sabha Question No.- 10474, The desired information as under:

S.No	Question Asked	Response/Reply from CSIR-NBRI
------	----------------	-------------------------------

(a)	Whether the Government has formulated any special plan for the development and conservation of rare medicinal plants found in Rajasthan and other States;	<p>Information specifically about Rajasthan is not available with the institute. Some of the details about other states are as follows:</p> <ul style="list-style-type: none"> <li>• Survey conducted in Kumaun Himalayan Region (Uttarakhand) revealed 102 medicinal herbs in the region</li> <li>• Survey of the Tons Valley (Garhwal) Himalaya) revealed 115 medicinal plants.</li> <li>• Under ICAR funded projects, CSIR-NBRI has conducted survey in different phyto-geographical zones of the country including hilly areas for studies on important medicinal plants, namely: <i>Tribulus terrestris</i>, <i>Acorus calamus</i>, <i>Sida cordifolia</i>, <i>Desmodium gangeticum</i>, <i>Asparagus racemosus</i>, <i>Gymnema sylvestre</i>, <i>Hedychium spicatum</i>, <i>Origanum vulgare</i>, <i>Valeriana jatamansi</i>, <i>Gloriosa superba</i>, <i>Commiphora wightii</i> and <i>Coleus forskohlii</i>.</li> </ul> <p>CSIR-NBRI also has Herbal Garden for conservation, propagation and popularization of medicinal and aromatic plants.</p>
(b)	If so, the details thereof, state-wise and the areas where such medicinal plants are available in Rajasthan	List of projects undertaken/being undertaken by CSIR-NBRI is attached as per Annexure I
(c)	Whether the Government provides financial assistance to the States for the development and promotion of Ayush, and	No information.
(d)	If so, the details of the amount provided for the development and promotion of Ayush during the last three financial years, state-wise including Rajasthan	Not Applicable.

 **Annexure I.docx**  
14 KB



## Email

## Information NBRI

## Reply of Lok Sabha Question No. 4085

**From :** Information NBRI <info-nbri@nbri.res.in> Mon, Aug 08, 2022 07:31 PM  
**Subject :** Reply of Lok Sabha Question No. 4085 1 attachment  
**To :** Rajesh Parpyani <rajeshp@csir.res.in>, K Venkatasubramanian <venkat@csir.res.in>, Mahendra P Darokar <mp.darokar@csir.res.in>  
**Cc :** ChV Rao <chvrao72@nbri.res.in>

**Ref: Your E-mail dated 08 August 2022 to Director CSIR-NBRI, Lucknow**

**Dear Dr. Rajesh Parpyani,**

Kindly refer E-mail dated 08/08/2022, regarding Lok Sabha Question No.- 4085, The desired information is as under:

S.No	Question Asked	Response/Reply from CSIR-NBRI
(a)	The details of research work being carried out on various aspect of medicinal plants and the institute involved in the said research, State-wise	Research work carried out at CSIR-NBRI on various aspect of medicinal plants is attached herewith as per Annexure I
(b)	Whether any research centre has been established/made operational in Chhattisgarh, if so, the details thereof;	No Information
(c)	If not, whether the Government proposes to establish any research center; and	Nil information,
(d)	The step taken by the Government to promote and publicize the use of AYUSH systems of medicine?	No Information However, CSIR-NBRI working in the area of AYUSH system of medicine in standardization, quality control of herbal drugs and validation.

This issued with the approval of the Director, CSIR-NBRI, Lucknow.

(Yogendra Nath)  
Principal Technical Officer  
CSIR-NBRI, Lucknow


 **Annexure I.xlsx**  
20 KB

**Email****Information NBRI**

---

**Reply of Rajya Sabha Question Dy. No. U643**

---

**From :** Information NBRI <info-nbri@nbri.res.in> Tue, Nov 29, 2022 05:26 PM  
**Subject :** Reply of Rajya Sabha Question Dy. No. U643  1 attachment  
**To :** Satish Chandra <spo.policy@csir.res.in>, Amiya Gupta <spo.procurement@csir.res.in>  
**Cc :** ChV Rao <chvrao72@nbri.res.in>, Pramod A Shirke <pashirke@nbri.res.in>

Subject: Reply of Rajya Sabha Question Dy. No. U643

Ref: E-mail dated 28 November, 2022 to Director, CSIR-NBRI, Lucknow

Dear Mr. Chandra,

With reference to your E-mail dated 28/11/2022, I am directed to submit the desired information is as attached prescribed format

This issued with the approval of the Director, CSIR-NBRI, Lucknow.

Regards  
Yogendra Nath  
Pr. Tech. Officer  
Information and Publication  
CSIR-NBRI, Lucknow  
[0522-2297869](tel:0522-2297869)

---

 **NBRI\_hefty GST information.pdf**  
139 KB

---

Email

Information NBRI

## Reply of Lok Sabah PQ No. U743

**From :** Information NBRI <info-nbri@nbri.res.in> Wed, Nov 30, 2022 05:18 PM  
**Subject :** Reply of Lok Sabah PQ No. U743  
**To :** Rajesh Parpyani <rajeshp@csir.res.in>  
**Cc :** ChV Rao <chvrao72@nbri.res.in>, Pramod A Shirke <pashirke@nbri.res.in>

Subject: Reply of Lok Sabha Question No. U743

Ref: E-mail dated 28 November, 2022 to Director, CSIR-NBRI, Lucknow

Dear Dr. Parpyani,

With reference to your E-mail dated 28/11/2022, I am directed to submit the desired information is as under:

S.No	Lok Sabha question Asked	Reply from CSIR-NBRI
(a)	the details of the Biotech-Kisan Programme that has been launched to empower farmers through technological solutions;	CSIR-NBRI is not involved in Biotech-Kisan Programme. However, engaged in various R & D sectors in areas of science and technology, particularly in Agriculture Sector: 1) CSIR Floriculture Mission: Introducing new floriculture crops to farmers for higher income, targeting at import substitution and export promotion. 2) CSIR Aroma Mission: Catalyzing rural empowerment through cultivation processing, value addition and marketing of aromatic plants. 3) Cotton Mission for next generation insect resistance: Development of next generation transgenic cotton for broad spectrum resistance to field pests for yield protection. The farmers will be the main beneficiaries. CSIR, ICAR and Agricultural Universities are partners to achieve the objectives of the project. 4) Early maturity and productivity enhancement of cotton using Anacardic Acid formulation. 5) Development of Cannabis varieties with low THC (psychotropic substance) and high fibre content and CBD content for medicinal purpose. 6) Arsenic problem remediation: A low grain arsenic rice variety 'Muktashree' has been developed. 7) Microbial formulations for biological control of <i>Fusarium</i> diseases in different crops have been developed.
(b)	the support provided under the same;	1. Catalyzing rural empowerment through cultivation processing, value addition and marketing of aromatic plants. 2. Introducing floriculture crops to farmers for higher income, targeting at import substitution and export promotion. 3. Enabling tribal framers of Dudhawa Region of Uttar Pradesh for on farm utilization of rice straw for better soil health and productivity through awareness cum demonstration programme 4. Certificate Course on Greenbelt Development for Industries and Pollution Monitoring: Soil Pollution. 5. Development of Rice-Grain Arsenic Removal Technique/Method for Rural Population of Arsenic Affected Areas. 6. Farm-based S&T interventions for socio-economic development in the aspirational District of Nabarangpur, Odisha
(c)	the intended benefits of the same; and	CSIR-NBRI also organizes skill development programmes, short training and awareness programmes for farmers & entrepreneurs on various aspects of agriculture, Science and technology. Besides this the institute also collaborates in various networking projects with other CSIR Laboratories, Indian Council of Agricultural Research (ICAR), Khadi and Village Industries Commission (KVIC), Tribal cooperative Marketing Development Federation of India (TRIFLED), Fragrance and Flavour Development Centre (FFDC), Kannauj, Biotech Park, Lucknow State Horticulture Department, MSMEs. The target beneficiaries are farmers, village clusters, florists and nursery traders, entrepreneurs, schools and colleges, etc.
(d)	the details of other such measures being taken to provide for direct linkage between science laboratories and farms in the country?	CSIR-NBRI also provides technical support and advice to farmers under CSIR-800 training programmes.

This issued with the approval of the Director, CSIR-NBRI, Lucknow.

Regards

Yogendra Nath

Pr. Tech. Officer

Information and Publication

CSIR-NBRI, Lucknow

[0522-2297869](tel:0522-2297869)

---

## Email

## Information NBRI

---

**Reply of Lok Sabha PQ No. 645**

---

**From :** Information NBRI <info-nbri@nbri.res.in> Tue, Dec 06, 2022 01:31 PM  
**Subject :** Reply of Lok Sabha PQ No. 645  
**To :** Dr Abhishek Kumar <abhishek\_kumar@csir.res.in>  
**Cc :** ChV Rao <chvrao72@nbri.res.in>, Pramod A Shirke <pashirke@nbri.res.in>

Subject: Reply of Lok Sabha Question No. 645

Ref: E-mail dated 06 December, 2022 to Director, CSIR-NBRI, Lucknow

Dear Dr. Abhishek,

With reference to your E-mail dated 06/12/2022, I am directed to submit the desired information is as:

(c)	The number of global wellness, bolster evidence based research training and awareness Programme for traditional medicine conducted in the last two years, state-wise and year wise	NIL.
-----	--	------

This issued with the approval of the Director, CSIR-NBRI, Lucknow.

Regards  
Yogendra Nath  
Pr. Tech. Officer  
Information and Publication  
CSIR-NBRI, Lucknow  
[0522-2297869](tel:0522-2297869)

## Email

## Information NBRI

## Reply of Lok Sabha PQ No. 1824

**From :** Information NBRI <info-nbri@nbri.res.in> Tue, Dec 06, 2022 02:50 PM  
**Subject :** Reply of Lok Sabha PQ No. 1824  
**To :** Dr Abhishek Kumar <abhishek\_kumar@csir.res.in>  
**Cc :** ChV Rao <chvrao72@nbri.res.in>, Pramod A Shirke <pashirke@nbri.res.in>

Subject: Reply of Lok Sabha Question No. 1824  
 Ref: E-mail dated 06 December, 2022 to Director, CSIR-NBRI, Lucknow

Dear Dr. Abhishek,

With reference to your E-mail dated 02/12/2022, I am directed to submit the desired information is as:

a)	Whether the Government is aware of depleting medicinal plant resources and if so, the reason therefor and the steps taken by the Government to address this problem	No Information
b)	Whether the Government is running a programme to promote medicinal plant farming, if so, the details thereof and	Following projects are being implemented at CSIR-NBRI to promote medicinal farming/cultivation: Farm based S&T intervention for socio-economic development in the aspirational districts of Nabrangpur, Odisha (Funded by Rashtriya Krishi Vikas Yojana, Government of Odisha; Duration: 12 September 2022 to 31 <sup>st</sup> March 2023; Project Cost: Rs. 18.36 Lakh) 2. CSIR Aroma Mission: Catalyzing rural empowerment through cultivation, processing, value addition and marketing of aromatic plants (Funded by CSIR, New Delhi; Duration: 30 December 2022 to 31 <sup>st</sup> March, 2023; Project Cost: Rs. 157.70 Lakh)
c)	The steps taken by the Government to promote the emerging nutraceutical industry?	No Information

This issued with the approval of the Director, CSIR-NBRI, Lucknow.

Regards  
 Yogendra Nath  
 Pr. Tech. Officer  
 Information and Publication  
 CSIR-NBRI, Lucknow

0522-2297869

---

## Email

## Information NBRI

## Reply of PQ S 2154

**From :** Information NBRI <info-nbri@nbri.res.in> Fri, Dec 09, 2022 04:37 PM  
**Subject :** Reply of PQ S 2154 1 attachment  
**To :** Dr Abhishek Kumar <abhishek\_kumar@csir.res.in>  
**Cc :** Pramod A Shirke <pashirke@nbri.res.in>, ChV Rao <chvrao72@nbri.res.in>

**Subject: Reply of Rajya Sabha Question No. S2154**

Ref: E-mail dated 07 December, 2022 to Director, CSIR-NBRI, Lucknow

Dear Dr. Abhishek,

With reference to your E-mail dated 07/12/2022, I am directed to submit the desired information is as:

a)	the details of schemes introduced by Government to the farmers in order to promote scientific knowledge among farmers of the country in the country so that they may use latest technologies for farming;	The details of farmers-oriented schemes/national missions/projects being operated at CSIR-NBRI, Lucknow for upliftment of the farmers livelihood through scientific interventions are attached as per Annexure I
b)	if so, the details thereof, scheme-wise and year-wise; and	As per Annexure I
c)	whether the farmers of the country are getting any benefit from the new technology being provided to them by Government in this regard?	Under these national mission programmes/ schemes/ projects, farmers are benefitted from improved varieties and scientific agro-technologies developed by the CSIR-NBRI.

This issued with the approval of the Director, CSIR-NBRI, Lucknow.

With Regards,

Yogendra Nath  
Principal Tech. Officer,  
CSIR-NBRI, Lucknow





**Annexure I.docx**  
18 KB

---

## Email

## Information NBRI

## Reply of PQ No. 4866

**From :** Information NBRI <info-nbri@nbri.res.in> Fri, Dec 09, 2022 04:40 PM  
**Subject :** Reply of PQ No. 4866  
**To :** Dr Abhishek Kumar <abhishek\_kumar@csir.res.in>  
**Cc :** Pramod A Shirke <pashirke@nbri.res.in>, ChV Rao <chvrao72@nbri.res.in>

**Subject: Reply of Lok Sabha Question No. 4866**

Ref: E-mail dated 08 December, 2022 to Director, CSIR-NBRI, Lucknow

Dear Dr. Abhishek,

With reference to your E-mail dated 08/12/2022, I am directed to submit the desired information is as:

a)	Whether the government has detail of the explored medicinal plants in Himalayan belt	CSIR-NBRI has been conducting survey to identify and document medicinal/aromatic plants in the country on regional basis, especially in Himalayan regions such as Kumaun Himalaya, Govind wildlife sanctuary of Garhwal Himalaya, Nokrek Biosphere reserve, Gibbon wildlife sanctuary, Leh, Ladakh and Gurez valley.
b)	if so, the details thereof and if not reasons therefor;	Some of the details of such surveys are: i) Survey conducted to analyze Weeds of Kumaun Himalayan Region (Uttarakhand) revealed 102 medicinal herbs in the region. ii) Survey of the Tons Valley (Garhwal Himalaya) revealed 115 medicinal plants in the region.
c)	The details of available/autonomous research laboratories and institutions on medicinal plants in Ladakh; and	No information
d)	Whether the government has details of existing affiliated medicinal related institution, department or research centre in Ladakh and if so, the details thereof	No-information

This issued with the approval of the Director, CSIR-NBRI, Lucknow.

With Regards,

Yogendra Nath  
Principal Tech. Officer,  
CSIR-NBRI, Lucknow



## Email

## Information NBRI

## Reply of PQ No. 5575

**From :** Information NBRI <info-nbri@nbri.res.in> Fri, Dec 09, 2022 04:43 PM  
**Subject :** Reply of PQ No. 5575  
**To :** Dr Abhishek Kumar <abhishek\_kumar@csir.res.in>  
**Cc :** Pramod A Shirke <pashirke@nbri.res.in>, ChV Rao <chvrao72@nbri.res.in>

**Subject: Reply of Lok Sabha Question No. 5575**

Ref: E-mail dated 09 December, 2022 to Director, CSIR-NBRI, Lucknow

Dear Dr. Abhishek,

With reference to your E-mail dated 09/12/2022, I am directed to submit the desired information is as:

a)	Whether the government has conducted any survey in Andhra Pradesh identify medicinal plants and rare species of herbs	Nil Information
b)	If so the details thereof and if not the reasons therefor	Not Applicable
c)	Whether the government has implemented any scheme to provide financial assistance for the cultivation of medicinal plants and rare species of herbs	Nil Information
d)	If so, the details thereof including the funds sanctioned and released, state wise, so far	Not Applicable
e)	If not, the reason therefor	-

This issued with the approval of the Director, CSIR-NBRI, Lucknow.

With Regards,

Yogendra Nath  
Principal Tech. Officer,  
CSIR-NBRI, Lucknow

## Email

## Information NBRI

## Reply of PQ No. 4818

**From :** Information NBRI <info-nbri@nbri.res.in> Fri, Dec 09, 2022 04:52 PM  
**Subject :** Reply of PQ No. 4818 1 attachment  
**To :** Dr Abhishek Kumar <abhishek\_kumar@csir.res.in>  
**Cc :** Pramod A Shirke <pashirke@nbri.res.in>, ChV Rao <chvrao72@nbri.res.in>

**Subject: Reply of Lok Sabha Question No. 4818**

Ref: E-mail dated 09 December, 2022 to Director, CSIR-NBRI, Lucknow

Dear Dr. Abhishek,

With reference to your E-mail dated 09/12/2022, I am directed to submit the desired information is as:

a)	Whether the government is aware about highly beneficial medicinal plants used by the common people of rural areas and various tribal communities	Yes
b)	If so, the action taken/being for conducting research and documentation of such medicinal plants used for the treatment of various diseases in the country; and	Government is aware of different forms of ethno-medicines used by the tribals as part of their indigenous knowledge for their treatment. All Indian Coordinated Research Project on Ethnobiology (AICRPE) supported by MOEFFCE in two phases and the CSIR initiative – 'Traditional Knowledge Digital Library' are such programs financed by Government. Dictionary of Indian Folk Medicine and Ethnobotany (1991) by SK Jain has documented such ethno-medicines. CSIR-NBRI has targeted the Research on following Ethno-medicinal plants of North-Eastern States of the country- <i>Gaultheria fragrantissima</i> , <i>Zanthoxylum armatum</i> , <i>Alpinia galanga</i> , <i>Coptis teeta</i> and <i>Piper longum</i> .
c)	If so, the details thereof	Attached as Annexure I

This issued with the approval of the Director, CSIR-NBRI, Lucknow.  
With Regards,

Yogendra Nath  
Principal Tech. Officer,  
CSIR-NBRI, Lucknow



**Annexure I.doc**

34 KB

---

## Email

## Information NBRI

## Reply of PQ U2984

**From :** Information NBRI <info-nbri@nbri.res.in> Mon, Dec 12, 2022 05:44 PM  
**Subject :** Reply of PQ U2984  
**To :** MayankMathur MayankMathur <mm@csir.res.in>  
**Cc :** Pramod A Shirke <pashirke@nbri.res.in>, ChV Rao <chvrao72@nbri.res.in>

**Subject: Reply of Rajya Sabha Question No. U2984**

Ref: E-mail dated 12 December, 2022 to Director, CSIR-NBRI, Lucknow

Dear Dr. Mayank,

With reference to your E-mail dated 12/12/2022, I am directed to submit the desired information is as:

a)	whether it is a fact that Geospatial Technology has become one of the key enablers in socio-economic development by enhancing productivity, ensuring sustainable infrastructure planning, effective administration, and aiding the farm sector;	The geospatial technologies/tools are being used by CSIR-NBRI for arsenic mapping in agriculture ecosystem; soil health management to boost organic/natural farming interventions; scope of AI/ML application in soil health monitoring of specific soils (viz. As contaminations and salt stress)
b)	whether Government is keen in expanding the scope of geospatial applications in multiple spheres to benefit every section of the society in the country; and	No information
c)	if so, the steps taken by Government to enhance the growth of Indian Geospatial Economy and the expected growth rate in the coming years?	Not Applicable

This issued with the approval of the Director, CSIR-NBRI, Lucknow.

With Regards,

Yogendra Nath  
Principal Tech. Officer,  
CSIR-NBRI, Lucknow

## Email

## Information NBRI

## Reply of PQ S4000

**From :** Information NBRI <info-nbri@nbri.res.in> Mon, Dec 12, 2022 05:46 PM  
**Subject :** Reply of PQ S4000  
**To :** Mahendra P Darokar <mp.darokar@csir.res.in>  
**Cc :** Pramod A Shirke <pashirke@nbri.res.in>, ChV Rao <chvrao72@nbri.res.in>

**Subject: Reply of Rajya Sabha Question No. S4000**

Ref: E-mail dated 12 December, 2022 to Director, CSIR-NBRI, Lucknow

Dear Dr. Darokar,

With reference to your E-mail dated 12/12/2022, I am directed to submit the desired information is as:

d )	Details of initiatives taken by Government in rural and other disadvantaged areas to work and provide technological solutions for livelihood generation and societal benefits?	<p>CSIR-NBRI is undertaking following initiatives in rural areas to provide technological solutions for livelihood generation and societal benefits:</p> <ol style="list-style-type: none"> <li>1) CSIR Floriculture Mission: Introducing new floriculture crops to farmers for higher income, targeting at import substitution and export promotion.</li> <li>2) CSIR Aroma Mission: Catalyzing rural empowerment through cultivation processing, value addition and marketing of aromatic plants.</li> <li>3) Cotton Mission for next generation insect resistance: Development of next generation transgenic cotton for broad spectrum resistance to field pests for yield protection.</li> <li>4) Early maturity and productivity enhancement of cotton using Anacardic Acid formulation.</li> <li>5) Development of Cannabis varieties with low THC (psychotropic substance) and high fibre content and CBD content for medicinal purpose.</li> <li>6) Arsenic problem remediation: A low grain arsenic rice variety 'Mukdashree'</li> <li>7) Microbial formulations for biological control of <i>Fusarium</i> diseases in different crops</li> <li>8) Enabling tribal framers of Dudhawa Region of Uttar Pradesh for on farm utilization of rice straw for better soil health and productivity through awareness cum demonstration programme</li> <li>9) Certificate Course on Greenbelt Development for Industries and Pollution Monitoring.</li> <li>10) Development of Rice-Grain Arsenic Removal Technique/Method for Rural Population of Arsenic Affected Areas.</li> <li>11) Farm-based S&amp;T interventions for socio-economic development in the aspirational District of Nabarangpur, Odisha</li> <li>12) Dehydrated flowers and foliages for women empowerment</li> <li>13) Herbal gulal technology for empowerment and income generation</li> </ol>
--------	--	---



This issued with the approval of the Director, CSIR-NBRI, Lucknow.

With Regards,

Yogendra Nath  
Principal Tech. Officer,  
CSIR-NBRI, Lucknow

---

## Email

## Information NBRI

## Reply of PQ No. S2079

**From :** Information NBRI <info-nbri@nbri.res.in> Mon, Dec 12, 2022 06:22 PM  
**Subject :** Reply of PQ No. S2079 2 attachments  
**To :** Mahendra P Darokar <mp.darokar@csir.res.in>  
**Cc :** Pramod A Shirke <pashirke@nbri.res.in>, ChV Rao <chvr Rao72@nbri.res.in>

**Subject: Reply of Rajya Sabha Question No. S2079**

Ref: E-mail dated 12 December, 2022 to Director, CSIR-NBRI, Lucknow

Dear Dr. Darokar,

With reference to your E-mail dated 12/12/2022, I am directed to submit the desired information is as:

a)	whether it is a fact that Ministry has developed technologies which are of direct relevance for the mankind;	The Technologies developed by CSIR-NBRI and having direct relevance for mankind are as per Annexure I
b)	if so, the details thereof during the last three years particularly for women folk; and <ul style="list-style-type: none"><li>•</li><li>•</li></ul>	The following technologies developed by CSIR-NBRI particular for women folk: HERBAL COLOURS DEHYDRATION OF FLOWERS, FOLIAGE AND FLORAL CRAFT
c)	the details of socially useful technologies developed by the Ministry and to what extent they have been able to ameliorate the lot of the common man?	List attached per Annexure II

This issued with the approval of the Director, CSIR-NBRI, Lucknow.

With Regards,

Yogendra Nath  
Principal Tech. Officer,  
CSIR-NBRI, Lucknow

 **Annexure I.docx**  
15 KB

 **Annexure II.pdf**  
1 MB

**Email****Information NBRI****Reply of PQ No. 143**

**From :** Information NBRI <info-nbri@nbri.res.in> Tue, Dec 13, 2022 06:01 PM  
**Subject :** Reply of PQ No. 143  
**To :** MayankMathur MayankMathur <mm@csir.res.in>  
**Cc :** Pramod A Shirke <pashirke@nbri.res.in>, ChV Rao <chvrao72@nbri.res.in>

**Subject: Reply of Lok Sabha Question No. 143**

Ref: E-mail dated 13 December, 2022 to Director, CSIR-NBRI,

Lucknow

Dear Dr. Mayank,

With reference to your E-mail dated 13/12/2022, I am directed to submit the desired information is as:

a)	whether any initiative has been taken to promote international cooperation for academic research in AYUSH and if so, the details thereof;	No Information
b)	whether any concrete effort has been made to promote and establish yoga at the international level and if so, the details thereof; and	No Information
c)	whether any initiative has been taken to bring Western Medicine and Ayurvedic Science together and also to promote awareness about AYUSH System of Medicine and if so, the details thereof?	No Information

This issued with the approval of the Director, CSIR-NBRI, Lucknow.

With Regards,

Yogendra Nath  
Principal Tech. Officer,  
CSIR-NBRI, Lucknow

## Email

## Information NBRI

## Reply of Rajya Sabha Question No. S1358

**From :** Information NBRI <info-nbri@nbri.res.in> Mon, Dec 19, 2022 04:39 PM  
**Subject :** Reply of Rajya Sabha Question No. S1358  
**To :** MayankMathur MayankMathur <mm@csir.res.in>  
**Cc :** ChV Rao <chvrao72@nbri.res.in>, Pramod A Shirke <pashirke@nbri.res.in>

**Subject: Reply of Rajya Sabha Question No. S1358**

Ref: E-mail dated 19 December 2022 to Director, CSIR-NBRI, Lucknow

Dear Dr. Mathur,

With reference to your E-mail dated 19/12/2022, I am directed to submit the desired information is as under:

a)	Whether the Ministry has identified medicinal plants in North East region of India as it has umpteen numbers of medicinal plants and India is gifted with a large number and diverse types of medicinal plants which are useful for our health and for preparing medicines;	CSIR-NBRI has surveyed the unexplored areas of North-eastern regions for documenting the floristic diversity and medicinal/aromatic plants resources. Few of the selected species selected on Ethno-medicinal plants of North-Eastern States of the country are <i>Gaultheria fragrantissima</i> , <i>Zanthoxylum armatum</i> , <i>Alpinia galanga</i> , <i>Coptis teeta</i> , <i>Piper longum</i> etc.
b)	if so, the how many plants have been identified in the last five years since 2018;	NBRI targeted and identified the selected medicinal plants of North-Eastern States includes <i>Gaultheria fragrantissima</i> , <i>Zanthoxylum armatum</i> , <i>Alpinia galanga</i> , <i>Coptis teeta</i> and <i>Piper longum</i> .
c)	Whether a survey has been done for soliciting the help of the local healers and people to list and identify such plants;	No Information
d)	If so, the classification of such numbers in the North East state-wise; and	No-information
e)	Whether it will consider to establish a separate section to monitor the identification of medicinal plants in the North East region of India?	No- information

This issued with the approval of the Director, CSIR-NBRI, Lucknow.

With regards,

Yogendra Nath

Principal Technical Officer  
CSIR-NBRI, Lucknow

---

## Email

## Information NBRI

## Reply of LS PQ No. 288

**From :** Information NBRI <info-nbri@nbri.res.in> Tue, Jan 31, 2023 05:04 PM  
**Subject :** Reply of LS PQ No. 288  
**To :** Rajesh Parpyani <rajeshp@csir.res.in>  
**Cc :** ChV Rao <chvrao72@nbri.res.in>, Pramod A Shirke <pashirke@nbri.res.in>

**Subject: Reply of Lok Sabha Question Diary No. 288****Ref: Your email addressed to Director, CSIR-NBRI dated 31 January 2023**

Dear Sir/Madam,

Kindly refer to your email dated 31 January 2023, addressed to Director, CSIR-NBRI regarding **Lok Sabha Question Diary No. 288**, I am directed to submit the desired information as under:

S.N.	QUESTION	ANSWER
a.	Whether the Government has conducted any survey to identify medicinal plants and rare species of herbs, state-wise including Andhra Pradesh	Yes, CSIR-NBRI conducted surveys to identify medicinal plants and rare species of herbs across the country
b.	If so, the details thereof and if not, the reasons therefor	Some of the species on which work has been carried out at CSIR-NBRI are <i>Gloriosa superba</i> , <i>Acorus calam.us</i> , <i>Coleus forskohlii</i> , <i>Centella asiatica</i> , <i>Costus speciosus</i> , <i>Hemidesmus indicus</i> , <i>Bacopa monerii</i> with financial support from NMPB, ICAR and CSIR in-house scheme. CSIR-NBRI has also been conducting surveys for medicinal herbs in Himalayan and hilly regions of the country. This includes exploration of mountain areas for medicinal plants with new therapeutic properties as well as known medicinal properties
c.	Whether the Government has implemented any scheme to provide financial assistance for the cultivation of medicinal plants and rare species of herbs	The project entitled "To identify the potential Aloe species for cultivation in salt-affected soils" is being implemented at CSIR-NBRI. The duration of the project is 28 January 2021 to 31 March 2023.
d.	If so, the details thereof including the funds sanctioned anstate-wise, state wise so far, and	The Project is funded by CSIR, New Delhi with a total sanctioned cost of Rs. 272.440 Lakh
e.	If not, the reasons therefor	Not Applicable

This issued with the approval of the Director, CSIR-NBRI, Lucknow.

with regards

Yogendra Nath  
 Pr. TO  
 Information and Publication  
 CSIR-NBRI, Lucknow



Email

Information NBRI

## Reply of PQ No. U1152

**From :** Information NBRI <info-nbri@nbri.res.in> Tue, Jan 31, 2023 06:09 PM  
**Subject :** Reply of PQ No. U1152  
**To :** PRASAD BHUKYA <prasadb@csir.res.in>  
**Cc :** ChV Rao <chvrao72@nbri.res.in>, Pramod A Shirke <pashirke@nbri.res.in>

**Subject: Reply of Rajya Sabha Question Diary No. U1152**

**Ref: Your email addressed to Director, CSIR-NBRI dated 31 January 2023**

Dear Sir/Madam,

Kindly refer to your email dated 31 January 2023, addressed to Director, CSIR-NBRI regarding **Rajya Sabha Question Diary No. U1152**, I am directed to submit the desired information as under:

S.N.	QUESTION	ANSWER
a.	Whether it is a fact that the Council of scientific & Industrial Research has developed a number of socially useful technologies and products;	Yes.
b.	if so, the details of such products developed in the past five years;	<p>CSIR-NBRI has developed following socially useful technologies and products:</p> <p><b>Herbal Gulal from Floral Temple Waste</b>  The colours, extracted from temple waste flowers and natural ingredients have commercial value in the national and international markets. It provides an option to replace synthetic dye-based dry colour compositions with natural ones, which is safe and eco-friendly. The dry colours have cosmetic effects on the skin too as they the make face feel a bit soft.</p> <p>Temple used flowers mainly consist of Rose, Hibiscus and marigold flowers, which are a rich source of carotenoid- leutin and flavonoid- patulinin, rich fractions of two colorants that have been isolated and utilized for dyeing.</p> <p><b>Herbal Floor Disinfectant and Cleaner (Floor Mop)</b>  Most of the floor cleaners in the market are chemical-based which contain laurel sulphate, acetic acid and other chemical preservatives. They cause irritation (sulphate), allergy (preservatives), respiratory irritation and headache (synthetic aroma). To overcome these adverse situations, CSIR-NBRI has developed water-soluble plant based "Floor Disinfectant". The product contains plant-derived antimicrobials which are completely soluble in water with natural aroma. It cleans the surface effectively.</p> <p>Alcohol Based Liquid Herbal Hand Sanitizer  Product is based on an indigenous formula, prepared in compliance with the AYUSH guidelines of Govt. of India and is an excellent disinfectant which also takes care of the moisture content of the hand and protects from dehydration. It leaves a pleasant fragrance through added essential oils.</p>
c.	what extent they have been able to	<b>Herbal Gulal from Floral Temple Waste</b>



	ameliorate the lot of the common man of India;	<p>The majorly offered flowers in temples are marigold, rose, jasmine, chrysanthemum, Hibiscus, etc. Such floral waste can be utilized in different ways to produce valuable products for economic upliftment of the weaker sections and can also help to save environment from pollution caused due to improper disposal of flower waste. Local, villages around a famous temple can be deployed for collection, sorting and primary processing. Small scale processing unit can be set up in the village or nearby town.</p> <p><b>Herbal Floor Disinfectant and Cleaner (Floor Mop)</b> It is a good alternative to chemical-based floor cleaners which contain laurel sulphate, acetic acid and other chemical preservatives, it is skin and eco-friendly. This technology is useful in job creation and income generation for small scale Entrepreneurs.</p> <p><b>Alcohol Based Liquid Herbal Hand Sanitizer</b> It's a scientifically validated and cost-effective product that is suitable for regular use. Useful for MSME and pharma industries. Small-scale processing unit can be set up in the village or nearby town which may prove as an income generation tool to provide supplementary income to the villages.</p>
d.	efforts made to popularize the same amongst the common people; and	CSIR-NBRI has conducted a training programme at Mahila modern Jail, Ayodhya on the utilization of temple flower waste by extraction of colour for making herbal gulal. All the above technologies/know-how are displayed in different national and local level exhibitions, Kissan mela, Conferences and workshops etc.
e.	whether CSIR has any dedicated agency for popularization of products developed it?	Usually, CSIR-NBRI participates in several national-level exhibitions directly or through CSIR-Science Communication & Dissemination Directorate (SCDD).

This issued with the approval of the Director, CSIR-NBRI, Lucknow.

With Regards

ChV Rao  
Chief Scientist  
Information and Publication  
CSIR-NBRI, Lucknow

Email

Information NBRI

## Reply of Rajya Sabha PQ No. U1111

**From :** Information NBRI <info-nbri@nbri.res.in> Wed, Feb 01, 2023 02:59 PM  
**Subject :** Reply of Rajya Sabha PQ No. U1111 1 attachment  
**To :** Section Officer <sohrii@csir.res.in>  
**Cc :** ChV Rao <chvrao72@nbri.res.in>, Pramod A Shirke <pashirke@nbri.res.in>

**Subject: Reply of Rajya Sabha Question Diary No. U1111**

**Ref: Your email addressed to Director, CSIR-NBRI dated 31 January 2023**

Dear Sir/Madam,

Kindly refer to your email dated 31 January 2023, addressed to Director, CSIR-NBRI regarding **Rajya Sabha Question Diary No. U1111**, I am directed to submit the desired information as under:

Details of Young Scientists (up to Principal Scientists) working at CSIR Laboratories/Institutes including CSIR Hqrs.			
Name of the Lab/Instt.	2022*	2023* (Till date)	
<b>CSIR-National Botanical Research Institute, Lucknow</b>	Dr. Gaurav Kumar Mishra, Scientist	1.	Dr. Gaurav Kumar Mishra, Scientist
	2. Dr. Anju Patel, Scientist	2.	Dr. Anju Patel, Scientist
	3. Dr. S. Vijay Anand Raj, Scientist	3.	Dr. S. Vijay Anand Raj, Scientist
	4. Dr. Manoj Kumar, Senior Scientist	4.	Dr. Manoj Kumar, Senior Scientist
	5. Dr. K.M. Prabhukumar, Senior Scientist	5.	Dr. K.M. Prabhukumar, Senior Scientist
	6. Dr. Khuraijam Jibankumar Singh, Senior Scientist	6.	Dr. Khuraijam Jibankumar Singh, Senior Scientist
	7. Dr. Bikarma Singh, Senior Scientist	7.	Dr. Bikarma Singh, Senior Scientist
	8. Dr. Richa Rai, Senior Scientist	8.	Dr. Richa Rai, Senior Scientist
	9. Dr. Manish Tiwari, Senior Scientist	9.	Dr. Manish Tiwari, Senior Scientist
	10. Dr. Sandip Kumar Behera, Senior Scientist	10.	Dr. Sandip Kumar Behera, Senior Scientist
	11. Dr. Manish S Bhoyar, Senior Scientist	11.	Dr. Manish S Bhoyar, Senior Scientist
	12. Dr. Susheel Kumar, Senior Scientist	12.	Dr. Susheel Kumar, Senior Scientist
	13. Dr. Aditi Gupta, Senior Scientist	13.	Dr. Aditi Gupta, Senior Scientist
	14. Dr. Sumit Kumar Bag, Principal Scientist	14.	Dr. Sumit Kumar Bag, Principal Scientist
	15. Dr. Suchi Srivastava, Principal Scientist	15.	Dr. Suchi Srivastava, Principal Scientist
	16. Dr. Ajit Pratap Singh, Principal Scientist	16.	Dr. Ajit Pratap Singh, Principal Scientist
	17. Dr. Aaradhana Mishra, Principal Scientist	17.	Dr. Aaradhana Mishra, Principal Scientist
	18. Dr. Poonam C Singh, Principal Scientist	18.	Dr. Poonam C Singh, Principal Scientist
	19. Dr. Dibyendu Adhikari, Principal Scientist	19.	Dr. Dibyendu Adhikari, Principal Scientist
	20. Dr. Sachitra Kumar Ratha, Principal Scientist	20.	Dr. Sachitra Kumar Ratha, Principal Scientist
	21. Dr. Priyanka Agnihotri, Principal Scientist	21.	Dr. Priyanka Agnihotri, Principal Scientist
	22. Dr. Brahmanand Singh, Principal Scientist	22.	Dr. Brahmanand Singh, Principal Scientist
	23. Dr. Vijay Vishnu Wagh, Principal Scientist	23.	Dr. Vijay Vishnu Wagh, Principal Scientist
	24. Dr. Devendra Singh, Principal Scientist	24.	Dr. Devendra Singh, Principal Scientist
	25. Dr. Lal Bahadur, Principal Scientist	25.	Dr. Lal Bahadur, Principal Scientist
	26. Dr. Rakesh Chandra Nainwal, Principal Scientist	26.	Dr. Rakesh Chandra Nainwal, Principal Scientist
	2022	2023#	
	NIL	1.	Dr. Satyendra Pratap Singh (Under DST Scheme of Young Scientist and technologist)
*Regular Staff #Project Staff			

This issued with the approval of the Director, CSIR-NBRI, Lucknow.

The inputs is also attached in the prescribed format.

Regards

ChV Rao

Chief Scientist  
Information and Publication  
CSIR-NBRI, Lucknow



**Inputs from CSIR-NBRI, Lucknow.xlsx**  
11 KB

---

## Email

## Information NBRI

**Fwd: Reply of Rajya Sabha PQ No. S 1377**

**From :** Information NBRI <info-nbri@nbri.res.in> **Mon, Mar 13, 2023 12:58 PM**  
**Subject :** Fwd: Reply of Rajya Sabha PQ No. S 1377  
**To :** Pramod A Shirke <pashirke@nbri.res.in>

**From:** "Information NBRI" <info-nbri@nbri.res.in>  
**To:** "MayankMathur MayankMathur" <mm@csir.res.in>  
**Cc:** "Pramod A Shirke" <pashirke@nbri.res.in>, "ChV Rao" <chvrao72@nbri.res.in>  
**Sent:** Monday, January 30, 2023 5:33:05 PM  
**Subject:** Reply of Rajya Sabha PQ No. S 1377

**Subject: Reply of Rajya Sabha Question Diary No. S1377****Ref: Your email addressed to Director, CSIR-NBRI dated 28 January 2023**

Dear Sir/Madam,

Kindly refer to your email dated 28 January 2023, addressed to Director, CSIR-NBRI regarding **Rajya Sabha Question Diary No. S1377**, I am directed to submit the desired information as under:

S.N.	QUESTION	ANSWER
a)	The details of steps taken by the Government to train farmers about Good Agricultural Practices (GAP) and Good Field Collection Practices (GFCP) for medicinal plants in various states of the country to promote the production and processing of herbs/medicinal plant; and herbs/medicinal plants; and	CSIR-NBRI organizes various training and awareness programs to farmers & entrepreneurs on various aspects of Agriculture Science and technology including Skill Development Programmes (SDPs). Besides this, the institute also collaborates and executes Good Agricultural Practices (GAP) and Good Field Collection Practices (GFCP) for medicinal plants in various networking projects with other CSIR Laboratories, Indian Council of Agricultural Research (ICAR), Khadi and Village Industries Commission (KVIC), the Tribal Cooperative Marketing Development Federation of India (TRIFLED), Fragrance and Flavour Development Centre (FFDC), Kannauj, Biotech Park, Lucknow State Horticulture Department, MSMEs. The target beneficiaries are farmers, village clusters, florists and nursery traders, entrepreneurs, schools and colleges, etc.
b)	If so, the achievements made by the Government in this field	A total number of 1046 persons including farmers were trained during the period of April 2020 to December 2022

This issued with the approval of the Director, CSIR-NBRI, Lucknow.

With Regards

(Yogendra Nath)  
Principal Technical Officer  
Information Division  
CSIR-NBRI, Lucknow

**From :** Information NBRI <info-nbri@nbri.res.in> Mon, Jan 30, 2023 05:33 PM  
**Subject :** Reply of Rajya Sabha PQ No. S 1377  
**To :** MayankMathur MayankMathur <mm@csir.res.in>  
**Cc :** Pramod A Shirke <pashirke@nbri.res.in>, ChV Rao <chvrao72@nbri.res.in>

**Subject: Reply of Rajya Sabha Question Diary No. S1377**

**Ref: Your email addressed to Director, CSIR-NBRI dated 28 January 2023**

Dear Sir/Madam,

Kindly refer to your email dated 28 January 2023, addressed to Director, CSIR-NBRI regarding **Rajya Sabha Question Diary No. S1377**, I am directed to submit the desired information as under:

S.N.	QUESTION	ANSWER
a)	The details of steps taken by the Government to train farmers about Good Agricultural Practices (GAP) and Good Field Collection Practices (GFCP) for medicinal plants in various states of the country to promote the production and processing of herbs/medicinal plant; and herbs/medicinal plants; and	CSIR-NBRI organizes various training and awareness programs to farmers & entrepreneurs on various aspects of Agriculture Science and technology including Skill Development Programmes (SDPs). Besides this, the institute also collaborates and executes Good Agricultural Practices (GAP) and Good Field Collection Practices (GFCP) for medicinal plants in various networking projects with other CSIR Laboratories, Indian Council of Agricultural Research (ICAR), Khadi and Village Industries Commission (KVIC), the Tribal Cooperative Marketing Development Federation of India (TRIFLED), Fragrance and Flavour Development Centre (FFDC), Kannauj, Biotech Park, Lucknow State Horticulture Department, MSMEs. The target beneficiaries are farmers, village clusters, florists and nursery traders, entrepreneurs, schools and colleges, etc.
b)	If so, the achievements made by the Government in this field	A total number of 1046 persons including farmers were trained during the period of April 2020 to December 2022

This issued with the approval of the Director, CSIR-NBRI, Lucknow.

With Regards  
(Yogendra Nath)  
Principal Technical Officer  
Information Division  
CSIR-NBRI, Lucknow



**Email****Information NBRI****Reply of LS PQ 8291**

**From :** Information NBRI <info-nbri@nbri.res.in> Mon, Mar 13, 2023 02:39 PM  
**Subject :** Reply of LS PQ 8291  
**To :** Rajesh Parpyani <rajeshp@csir.res.in>  
**Cc :** Pramod A Shirke <pashirke@nbri.res.in>, ChV Rao <chvrao72@nbri.res.in>

**Subject: Reply of Lok Sabha Question No. 8291**

Dear Dr. Rajesh,

With reference to your E-mail dated 13/03/2023, I am directed to submit the desired information is as:

(a)	whether the Government has any initiatives in place to train farmers about Good Agricultural Practices (GAP) and Good Field Collection Practices (GFCP) for medicinal Plants,	NIL Information.
(b)	if so, the details of the States in which such initiatives have been carried out,	Not Applicable
(c)	the allocation made for such initiatives during the last three years, and	Nil Information
(d)	the achievements made under the initiatives in the country?	NIL Information

This issued with the approval of the Director, CSIR-NBRI, Lucknow.

With Regards

PA Shirke  
Chief Scientist  
CSIR-NBRI, Lucknow

## Email

## Information NBRI

## Reply of Rajya Sabha PQ No. S5276

**From :** Information NBRI <info-nbri@nbri.res.in> Thu, Mar 16, 2023 12:33 PM  
**Subject :** Reply of Rajya Sabha PQ No. S5276  
**To :** MayankMathur MayankMathur <mm@csir.res.in>  
**Cc :** Pramod A Shirke <pashirke@nbri.res.in>, ChV Rao <chvrao72@nbri.res.in>

**Subject: Reply of Rajya Sabha Question Diary No. S 5276**

**Ref: Your email addressed to Director, CSIR-NBRI dated March 14, 2023**

Dear Sir/Madam,

Kindly refer to your email dated 14 March 2023, addressed to Director, CSIR-NBRI regarding **Rajya Sabha Question No. S 5776**, I am directed to submit the desired information as under:

**Table 1:**

Total No. of Scientists working in the laboratory	Total No. of Scientists having PhD Degree	Total No. of Scientists having PhD Degree from abroad
57	55	NIL

**Table 2:**

Total No. of students currently pursuing PhD in the laboratory	Total No. of students completed PhD in the year 2023	Total No. of students completed PhD in the year 2022
172	10 (April 2022 -March 2023)	23 (April 2021-March 2022)

This issued with the approval of the Director, CSIR-NBRI, Lucknow.

Regards

PA Shirke  
Chief Scientist  
CSIR-NBRI, Lucknow



**Email****Information NBRI****Reply of PQ 10780**

**From :** Information NBRI <info-nbri@nbri.res.in> Mon, Mar 20, 2023 11:40 AM  
**Subject :** Reply of PQ 10780  
**To :** Rajesh Parpyani <rajeshp@csir.res.in>  
**Cc :** ChV Rao <chvrao72@nbri.res.in>, Pramod A Shirke <pashirke@nbri.res.in>

**Subject: Reply of Lok Sabha Question No. 10780**

Dear Dr. Rajesh,

With reference to your E-mail dated 17/03/2023, I am directed to submit the desired information is as:

(a)	whether the Government has provided/propose to provide financial assistance for certification and research work on medicinal plants in Madhya Pradesh, and	The project entitled 'Threat Assessment of traded forest flora of Madhya Pradesh' is being operated by CSIR-NBRI
(b)	if so, the details of the funds allocated and utilized for the purpose?	The project is funded by Madhya Pradesh State Biodiversity Board with total cost of Rs. 39,6000 for the duration of three years wef. 09.12.2020. The fund is being used for the threat assessment of medicinal plants.

This issued with the approval of the Director, CSIR-NBRI, Lucknow.

**Regards**

**PA Shirke**  
**Chief Scientist**  
**CSIR-NBRI, Lucknow**

## Email

## Information NBRI

## Reply of PQ No. S 4343

**From :** Information NBRI <info-nbri@nbri.res.in> Wed, Mar 22, 2023 03:59 PM  
**Subject :** Reply of PQ No. S 4343  
**To :** Rajesh Parpyani <rajeshp@csir.res.in>, Dr  
 Sathiyarayanan <headcpd@csir.res.in>, Dr  
 Sathiyarayanan <sathya@csir.res.in>  
**Cc :** Pramod A Shirke <pashirke@nbri.res.in>, ChV Rao  
 <chvrao72@nbri.res.in>

**Subject: Reply of Rajya Sabha Question Diary No. S 4343**

Dear Sir,

Kindly refer to **Rajya Sabha Question No. S 4343**, I am directed to submit the desired information as under:

(a)	Whether it is a fact that there is a tremendous potential in AYUSH sector,	Yes.
(b)	If so, what steps are being taken to exhort young researchers and scientists to work on evidence based scientific research and explain the benefits and research of Ayush system of medicine in native languages so that it reaches larger masses, and	CSIR-NBRI working in area of Ayush based herbal drugs and product development. The few AYUSH based products developed by the institute viz NBRMAP(BGR-34), URO-05 were commercialized. Research scholars including JRF/SRF, project fellows are being trained under various projects on Ayush System of medicine. The institute has also implemented a Skill Development programme on 'Quality Analysts for Herbal Industry' under CSIR integrated Skill Initiative from 2021 to provide skilled human resources in Herbal industry.
(c)	If not, will the Government take any specific initiatives to encourage the participation of youth in our AYUSH sector?	Not Applicable

This issued with the approval of the Director, CSIR-NBRI, Lucknow.

regards

ChV Rao  
 Chief Scientist & Head  
 Information and Publication  
 CSIR-NBRI, Lucknow



## Email

## Information NBRI

**Fwd: Reply of LS PQ No 13478**

**From :** Information NBRI <info-nbri@nbri.res.in> Tue, Mar 28, 2023 04:03 PM  
**Subject :** Fwd: Reply of LS PQ No 13478  
**To :** MayankMathur MayankMathur <mm@csir.res.in>

**From:** "Information NBRI" <info-nbri@nbri.res.in>  
**To:** "Rajesh Parpyani" <rajeshp@csir.res.in>, "Dr Sathiyarayanan" <headcpd@csir.res.in>, "Dr Sathiyarayanan" <sathya@csir.res.in>  
**Cc:** "ChV Rao" <chvrao72@nbri.res.in>, "Pramod A Shirke" <pashirke@nbri.res.in>  
**Sent:** Friday, March 24, 2023 5:26:15 PM  
**Subject:** Reply of LS PQ No 13478

**Subject: Reply of Lok Sabha Question No. 13478**

Dear Dr. Rajesh,

With reference to Lok Sabha Parliament Question No. 13478, I am directed to submit the desired information is as:

(a)	whether prevalence of excessive pesticide use is having an adverse effect on climate change;	No Information
(b)	if so, the details thereof, State-wise;	Not Applicable
(c)	the steps taken by the Government to prevent the said practice during the last five years; and	No Information
(d)	whether any study has been conducted in this regard and if so, the details thereof?	Not Applicable

This issued with the approval of the Director, CSIR-NBRI, Lucknow.

Regards

ChV Rao  
Chief Scientist  
CSIR-NBRI, Lucknow

**From :** Information NBRI <info-nbri@nbri.res.in>

Fri, Mar 24, 2023 05:26 PM

**Subject :** Reply of LS PQ No 13478**To :** Rajesh Parpyani <rajeshp@csir.res.in>, Dr  
Sathiyarayanan <headcpd@csir.res.in>, Dr  
Sathiyarayanan <sathya@csir.res.in>**Cc :** ChV Rao <chvrao72@nbri.res.in>, Pramod A Shirke  
<pashirke@nbri.res.in>**Subject: Reply of Lok Sabha Question No. 13478**

Dear Dr. Rajesh,

With reference to Lok Sabha Parliament Question No. 13478, I am directed to submit the desired information is as:

(a)	whether prevalence of excessive pesticide use is having an adverse effect on climate change;	No Information
(b)	if so, the details thereof, State-wise;	Not Applicable
(c)	the steps taken by the Government to prevent the said practice during the last five years; and	No Information
(d)	whether any study has been conducted in this regard and if so, the details thereof?	Not Applicable

This issued with the approval of the Director, CSIR-NBRI, Lucknow.

Regards

ChV Rao  
Chief Scientist  
CSIR-NBRI, Lucknow