

National Workshop
**“Shiitake Mushroom: As Nutraceutical and Next Generation
Functional Food”**

22-24 Feb 2022

organized by
ICAR Research Complex for NEH Region, Manipur Centre
&
Society for Plant Biochemistry & Biotechnology
(In Hybrid Mode)

Zoom-Link for joining the National Workshop

<https://us02web.zoom.us/j/82056118563?pwd=dFlaNVAzVW9EcEs2Z255eWl1eWx0DUT09>

Passcode: **mushroom**

OR

Webinar ID: **820 5611 8563**

Passcode: **53806207**

INAUGURAL SESSION		
DAY-1 (22 February 2022, Tuesday) –[Online-Mode]		
10.15 AM- 10.30 AM	Joining the workshop (through virtual platform)	
10.30 AM-10.40 AM	Welcome Address	Dr. I. Meghachandra Singh Joint Director, ICAR-NEH, Imphal
10.40 AM -10.50 AM	Opening Remark	Dr. Shelly Praveen Secretary, SPBB & Former Head, Division of Biochemistry, ICAR-IARI
10.50 AM - 11.25 AM	<i>Plenary Talk</i> ‘Status of mushroom research in India with special reference to shiitake mushrooms’ Speaker: Dr. V. P. Sharma Director, ICAR-Directorate of Mushroom Research, Solan, HP	
11.25 AM - 11.40 AM	Presidential Address	Dr. S. L. Mehta President, SPBB & Former DDG (Education), ICAR
11.40 AM - 11.55 AM	Address by Chief Guest	Dr. Anupam Mishra Vice Chancellor, Central Agricultural University, Imphal
11.55 AM - 12.05 PM	Address by the President of Organizing Committee	Dr. V. K. Mishra Director, ICAR-NEH, Umiam
12.05 PM - 12.10 PM	Vote of Thanks	Dr. Susheel Kumar Sharma Organizing Secretary

TECHNICAL SESSION 1

Thematic Area: Shiitake Mushroom - An Indian Perspective

22 February 2022, Tuesday [Virtual Mode]

Chairperson: Dr. Shwet Kamal, Principal Scientist, ICAR-DMR, Solan

Convener: Dr. Pankaj Baiswar, Principal Scientist, ICAR-NEH, Umiam

Co-Convener: Dr. Devender Sharma, Scientist, ICAR-VPKAS, Almora

Rapporteur: Dr. Romila Akoijam, Scientist, ICAR-NEH, Imphal

12.30 PM – 1.30 PM

Lead Talk

Characterization, conservation and improvement of shiitake mushroom in India

Focus: Conservation and characterization of shiitake mushroom

Dr. Anupam Barh

Scientist
ICAR-Directorate of
Mushroom Research,
Solan, Himachal
Pradesh

1.30 PM – 1.45 PM

Discussion

BREAK

HANDS-ON SESSION 1

22 February 2022, Tuesday [In-Person Mode]

2.30 PM – 4.00 PM

Mother culture and spawn production of shiitake mushroom

Dr. Susheel Kumar Sharma

Scientist
ICAR-NEH Manipur
Centre, Imphal

TECHNICAL SESSION 2

Thematic Area: Shiitake Mushroom - An Indian Perspective

23 February 2022, Wednesday [Virtual Mode]

Chairperson: Dr. V.P. Sharma, Director, ICAR-DMR Solan

Convener: Dr. Dharmesh Gupta, Principal Scientist, UHF Nauni

Co-Convener: Dr. Rishikanta Singh, Senior Scientist, ICAR-NEH, Imphal

Rapporteur: Dr. Raghuveer Singh, Scientist, ICAR-NEH, Basar

10.30 AM – 11.30 AM	Plenary Talk Mushroom biodiversity with special reference to shiitake (<i>Lentinula edodes</i>) and its utilization in Indian context Focus: Biodiversity of shiitake and its utilization	Dr. M.P. Thakur Dean, Faculty of Agriculture, IGKV, Raipur
11.30 AM – 11.45 AM	Discussion & Chairperson's Remark	

TECHNICAL SESSION 3

Thematic Area: Shiitake Mushroom - An Indian Perspective & Nutraceutical Landscape

23 February 2022, Wednesday [Virtual Mode]

Chairperson: Dr. B.L. Attri, Principal Scientist, ICAR-DMR, Solan

Convener: Dr. Ramavtar Sharma, Principal Scientist, ICAR-CAZRI, Jodhpur

Co-Convener: Dr. A. Ratankumar Singh, Scientist, ICAR-NEH, Umiam

Rapporteur: Dr. Lily Rangnamei, SMS, KVK-Imphal West, ICAR-NEH, Imphal

Session-I

11.45 AM – 12.45 PM	Lead Talk Shiitake mushroom as nutraceutical Focus: Nutraceutical value of shiitake	Dr. Vinutha T. Scientist Division of Biochemistry ICAR-IARI, New Delhi
12.45 PM – 1.00 PM	Discussion & Chairperson's Remark	

Session-II

1.00 PM – 1.30 PM	Lead Talk Innovations in short duration cultivation technology of shiitake mushroom Focus: Innovations in cultivation technology of shiitake mushroom	Dr. Susheel Kumar Sharma Scientist ICAR-NEH Manipur Centre, Imphal
1.30 PM – 1.45PM	Discussion & Chairperson's Remark	

BREAK

HANDS-ON SESSION 2

23 February 2022, Wednesday [In-Person Mode]

2.30 PM – 4.00 PM	Innovative cultivation practices of shiitake mushroom	Dr. Susheel Kumar Sharma Scientist ICAR-NEH Manipur Centre, Imphal
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TECHNICAL SESSION 4

Thematic Area: Shiitake Mushroom- Nutraceutical & Next Generation Functional Food

24 February 2022, Thursday (Virtual Mode)

Chairperson: Dr. Aruna Tyagi, Head, Division of Biochemistry, ICAR-IARI, New Delhi

Convener: Dr. Ranjeet Ranjan Kumar, Sr. Scientist, Division of Biochemistry, ICAR-IARI, New Delhi

Co-Convener: Dr. Tasvina R. Borah, Scientist, ICAR-NEH, Umiam

Rapporteur: Dr. N. Umakanta, Scientist, ICAR-NEH, Imphal

10.30 AM – 11.30 AM	Lead Talk Shiitake mushroom: a next generation function food Focus: Shiitake mushroom as next generation functional food	Dr. Veda Krishnan Scientist Division of Biochemistry ICAR-IARI, New Delhi
11.30 AM – 11.45 AM	Discussion & Chairperson's Remark	

TECHNICAL SESSION 5

Thematic Area: Mushroompreneurs Meet - An Interactive Meet

24 February 2022, Thursday [Virtual Mode]

Chairperson: Dr. G. Kadirvel, Principal Scientist & PI (ABI), ICAR-NEH, Umiam

Convener: Dr. Anil Dahuja, Professor, Division of Biochemistry, ICAR-IARI, New Delhi

Co-Convener: Dr. Raghuveer Singh, Scientist, ICAR-NEH, Basar

Rapporteur: Dr. Arati Ningombam, Scientist, ICAR-NEH, Imphal

11.45 AM – 12.45 PM	Lead Talk Scope of Mushroompreneurship in North East India with Special Reference to Shiitake Mushroom Focus: Shiitake based mushroompreneur development	Dr. Pankaj Baiswar Principal Scientist ICAR-NEH, Umiam
12.45 PM – 1.00 PM	Discussion & Chairperson's Remark	

BREAK

TECHNICAL SESSION 6

Thematic Area: Mushroompreneurs Meet - An Interactive Meet

24 February 2022, Thursday [Hybrid Mode]

Chairperson: Dr. I. Meghachandra Singh, Joint Director, ICAR-NEH, Imphal

Convener: Dr. Kh. Rishikanta Singh, Senior Scientist, ICAR-NEH, Imphal

Co-Convener: Dr. Susheel Kumar Sharma, Scientist, ICAR-NEH, Imphal

Rapporteur: Dr. T. Basanta Singh, Scientist, ICAR-NEH, Imphal

1.15 PM –2.15 PM	Mushroompreneurs Meet - An Interactive Meet	Mushroompreneurs
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BREAK

CONCLUDING SESSION

24 February 2022, Thursday [Virtual Mode]

3.00 PM –3.05 PM	Welcome and rapporteur report	Dr. Susheel Kumar Sharma Organizing Secretary
3.05 PM – 3.15 PM	Concluding Remark	Dr. S. L. Mehta President, SPBB & Former DDG (Education), ICAR
3.15 PM – 3.25 PM	Remark by President of Organizing Committee	Dr. V. K. Mishra Director, ICAR-NEH, Umiam
3.25 PM – 3.30 PM	Formal Vote of thanks	Dr. I. Meghachandra Singh Joint Director, ICAR-NEH, Imphal