

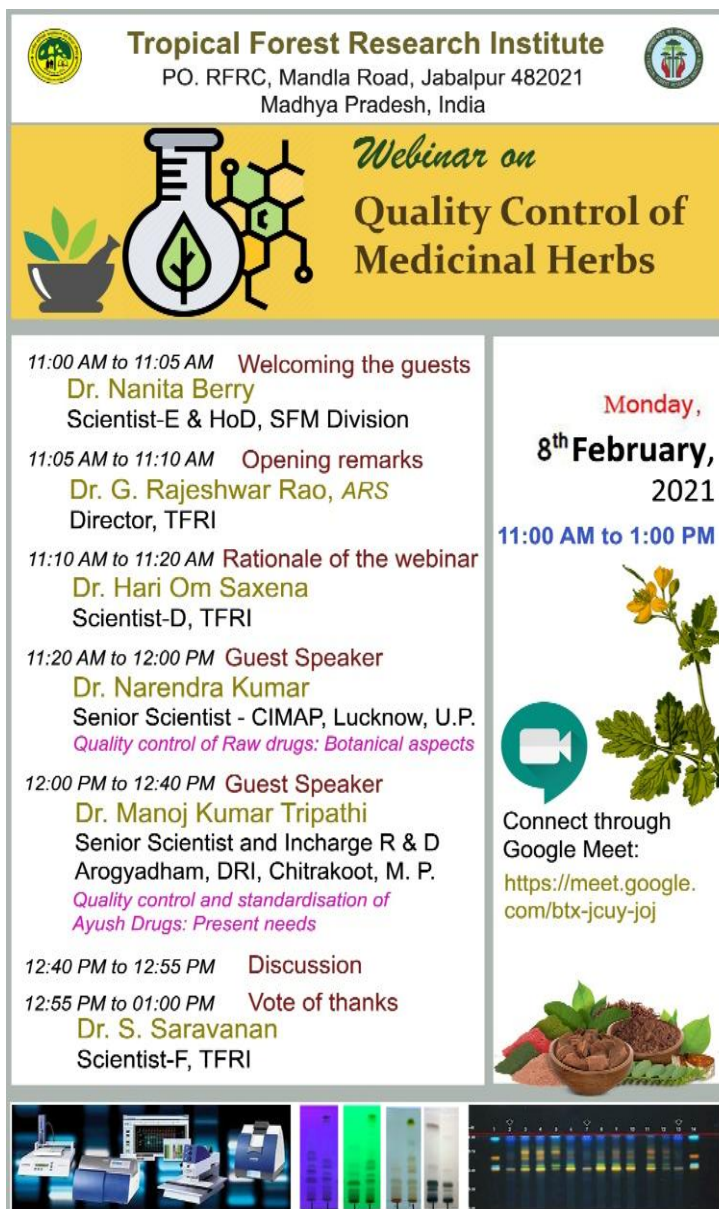
Webinar on “Quality Control of Medicinal Herbs” organized by TFRI, Jabalpur

A webinar on the topic “Quality control of medicinal herbs” was organized at TFRI, Jabalpur under the guidance of Dr. G. Rajeshwar Rao, Director, TFRI on 08/02/2021 from 11 am to 1 pm. The main purpose of this webinar was to acquaint and aware the people about the quality parameters in terms of correct identification and chemical profiling of medicinal herbs.

The webinar was conducted by Dr. Hari Om Saxena, Scientist-D of NWFP section of Silviculture, Forest Management and Agroforestry Division of TFRI. Dr. Narendra Kumar, Scientist of Central Institute of Medicinal & Aromatic Plants (CIMAP), Lucknow (UP) and Dr. Manoj Kumar Tripathi, In-charge of Arogyadham, the Deen Dayal

Research Institute, Chotrakoot (MP) were the key speakers in this webinar.

At the outset Dr. Nanita Berry, Scientist-E & Head, SFM & AF Division welcomed the participants attending the webinar and started the webinar with introductory words. Dr. G. Rajeshwar Rao, Director of TFRI in his inaugural speech mentioned about the importance of Quality control in medicinal herbs. He said that large section of world population depends on traditional health care system, hence, quality control of medicinal herbs must be taken on high



Tropical Forest Research Institute
PO. RFRC, Mandla Road, Jabalpur 482021
Madhya Pradesh, India

Webinar on
Quality Control of Medicinal Herbs

Monday, 8th February, 2021
11:00 AM to 1:00 PM

11:00 AM to 11:05 AM Welcoming the guests
Dr. Nanita Berry
Scientist-E & HoD, SFM Division

11:05 AM to 11:10 AM Opening remarks
Dr. G. Rajeshwar Rao, ARS
Director, TFRI

11:10 AM to 11:20 AM Rationale of the webinar
Dr. Hari Om Saxena
Scientist-D, TFRI

11:20 AM to 12:00 PM Guest Speaker
Dr. Narendra Kumar
Senior Scientist - CIMAP, Lucknow, U.P.
Quality control of Raw drugs: Botanical aspects

12:00 PM to 12:40 PM Guest Speaker
Dr. Manoj Kumar Tripathi
Senior Scientist and Incharge R & D
Arogyadham, DRI, Chitrakoot, M. P.
Quality control and standardisation of Ayush Drugs: Present needs

12:40 PM to 12:55 PM Discussion

12:55 PM to 01:00 PM Vote of thanks
Dr. S. Saravanan
Scientist-F, TFRI

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priority to ensure herbal products' safety, consistency, reproducibility and efficacy. He stressed that Internationally accepted standards should be followed to maintain the quality control of herbal products as described by WHO and various modern Pharmacopoeias.

Dr. Hari Om Saxena, Scientist-D explained in detail the need and purpose of the webinar. He said that in recent time, COVID-19 made the positive impact on Demand for Medicinal Herbs and Ayurvedic Medicines in Emerging Countries to use as immunity boosters and approximately 80% of the world's population still uses herbal remedies in various forms for their health care. Keeping in view the facts, the quality control of medicinal herbs is very essential to meet the public health challenges globally. In the time of global resurgence on use of natural therapies worldwide, if we want to produce quality and efficacious drugs and wish to capture the International market, we must focus on the quality parameters as per International guidelines. He said that correct identification of species and chemoprofiling using HPLC, HPTLC and GC using active chemical markers is crucial for the quality control of herbal medicines, including authentication of genuine species, harvesting the best quality raw materials, post harvesting handling, assessment of intermediates and finished products.

On the occasion the guest speaker, Dr. Narendra Kumar elaborately spoke on the topic **“Quality control of raw drugs – Botanical aspects”**. His presentation included the technical aspects like Pharmacognostic (macroscopic, microscopic) evaluation of raw drugs including other factors such as the method of extraction, contamination with microorganisms, heavy metals, foreign matter, ash value and pesticides which alter the quality, safety, and efficacy of herbal drugs. He also explained the taxonomic identification of botanicals and use of adulterants in herbal drugs in detail.

Second speaker Dr. Manoj Kumar Tripathi spoke on **“Quality control and standardization of Ayush drugs – a present day need”**. In his talk, he highlighted quality evaluation/chemoprofiling of medicinal plants through HPLC, HPTLC and GC using active chemical markers. He spoke on the role of chemical markers in quality control of herbal medicines, including authentication of genuine species, harvesting the best quality raw materials, post harvesting handling, assessment of intermediates and finished products.

After the talks of both guest speakers, the discussion/ question-answer session was held. The experts replied all the questions of the participants. More than 100 participants joined the programme through virtual mode.

In the last session Dr. Nanita Berry, Scientist-E & Head, SFM & AF Division praised both the eminent speakers for their wonderful deliberations on the selected topic of the webinar.

The webinar was ended by concluding remarks by Dr. G. Rajeshwar Rao, Director, TFRI who appreciated the efforts of both experts for elaborating their views on the present day need of maintaining the quality of medicinal herbs to produce effective herbal formulations. At the end Dr. Hari Om Saxena, the organizing secretary of the webinar proposed the vote of thanks. Contribution of Dr. S. Saravanan, Scientist-F, Shri. M. Rajkumar, Scientist-C, Dr Rajesh Kumar Mishra, STO and Shri Alfred Francis, in organizing the webinar is greatly acknowledged.



Meeting details

Narendra Kumar is presenting

nanita berry

Meeting details

People (82)

- Mukesh Sonkar
- Nagsah Khobragade
- nanita berry
- Narendra Kumar
- Narendra Kumar Presentation
- Neelu Singh
- Neera Prajapati
- Nidhi Mehta
- Nikhil Verma
- Nitya Mishra

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Narendra Kumar is presenting

11:24 08-02-2021

Meeting details

Narendra Kumar is presenting

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Madhya Pradesh, India

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...inal Herbs

TROPICAL FOREST RESEARCH INSTITUTE (TFRI)

Shruti Godara has left the meeting

Hari Umi Saxena

Meeting details

People (83)

- Fatima Shirin
- FORIS Rathod
- GANESH PAWAR
- Geeta Joshi
- Hari Umi Saxena
- Ira Agrawal
- Ishay Dolma
- Karan Sonker
- KAUSHAL TRIPATHI
- Krishna Chandra

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Narendra Kumar is presenting

11:25 08-02-2021

Meeting details

People (80)

IN CALL

- Alfred Francis (You)
- Ajin Sekhar
- AJK Asaiya
- Ajoy Debbarma
- AKASH SHUKLA
- Anurag Jain
- ashok thakur
- Avinash Jain
- Ayurved Sadan Chitrak...
- bhaawati prasad

Meeting details

Narendra Kumar is presenting

Meeting details

People (77)


IN CALL


- Alfred Francis (You)
- Ajin Sekhar
- AJK Asaiya
- Ajoy Debbarma
- AKASH SHUKLA
- ashok thakur
- Ayurved Sadan Chitrak...
- bhagwati prasad
- chokhe prajapati
- Darshan K


Meeting details


Narendra Kumar is presenting

Fruit drugs

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Acacia concinna
Mimosaceae
Shikakai
Cleansing hairs
- 

Emblica officinalis
Euphorbiaceae
Amla
Tonic
- 

Piper nigrum
Piperaceae
Kalimirch
Respiratory disorders
- 

Tribulus terrestris
Zygophyllaceae
Gokhru

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Ayurved Sadan Chittrakoot is presenting

Sant Kumar and 66 more

12:24 PM

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Three Circles of Herbal Drug Development

Quality

Safety

Efficacy

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Ayurved Sadan Chittrakoot is presenting

Meeting details ^



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