

REPORT ON TRAINING CUM WORKSHOP ON “ESSENTIAL OILS, PERFUMERY & AROMATHERAPY” HELD ON JUNE 09-13, 2014 AT FRI, DEHRADUN

A 5 days Training cum Workshop on “Essential Oils, Perfumery & Aromatherapy” was organized by Chemistry Division, Forest Research Institute (FRI), Dehra Dun in collaboration with Fragrance and Flavour Development Centre (FFDC), Kannauj. All together 46 Indian and overseas participants including 19 from Republic of Rwanda and one from USA, and others from different corners of India representing diverse meadow attended the programme. Inaugurating the Training cum Workshop in the Board Room of FRI, the Chief Guest Dr. G.S. Goraya, Dy. Director General (Research), ICFRE underlined the significance of medicinal and aromatic plants in various facets of human life and their importance in industrial panorama. Dr. Goraya stressed on paying due attention to the conservation and cultivation of indigenous plant and opined for developing a sustainable marketing mechanism so that cultivation and processing of aromatic plant could become more remunerative to farmers and entrepreneurs in the Country. Welcoming the gathering, the officiating Director Mrs. Jayshree Ardey Chauhan cited the value of fragrance materials in age old Indian customs and ancient civilization across the world. Mrs Ardey appreciated the collective efforts of Chemistry Division, FRI and FFDC for organizing the training in the interest of aroma entrepreneurs and emphasized its importance in catering the need of fragrance and flavour industry in India. Dr. R.K. Srivastava, Extension Officer, FFDC, Kannauj informed the gathering about the course curriculum of the training designed to meet the expectation of diverse group of participants. The function ended with the vote of thanks by Dr. Rakesh Kumar, Scientist-D, Chemistry Division, FRI & Convener of the programme. The programme was anchored by Dr. Rashmi, Scientist-D, Chemistry Division, FRI. The Inaugural function was attended by Heads of Divisions, FRI, faculty from FFDC, Kannauj and scientists of the Institute.

The Training cum Workshop provided a detailed exposure towards fundamental and applied aspects of processing, quality assessment and therapeutic benefits of essential oils and their applications in perfumery and aromatherapy for advancements of scientific knowledge, skills and entrepreneurship of the participants through lectures and practical demonstrations by experts from aroma industry, scientists and practicing aroma therapists.

The entire training schedule was spread over six technical sessions comprising 19 lectures and 04 practical demonstrations in addition to plenary session. During the first technical session on 9th June 2014, Dr. R.K. Srivastava, delivered a lecture on 'Importance and market potential of aromatic plants' followed by their different traditional and modern distillation methods for production of essential oils. Thereafter, Dr. Amit Pandey, Head, Forest Pathology Division, FRI talked about the fungi as unconventional

source from production of fragrances. The day ended with the lecture on processing of essential oils and their value addition by Dr. V.K. Varshney, Course Director of the training.

The Second day of the training programme, the June 10, 2014 was dedicated to the application, quality assessment and practical demonstrations of essential oil extraction. The day began with the lecture by Dr. R.K. Srivastava on 'therapeutic and perfumery values of aromatic plants and essential oils'. This was followed by presentations on quality assessment of essential oils by Dr. Rakesh Kumar, and GC-MS characterization of essential oil by Dr. Vineet Kumar, Scientist-F, Chemistry Division, FRI. Ms, Malini Ohri, Aromatherapist from Dubai talked about the fundamentals of aromatherapy and also gave a demonstration of different kind of aromatherapy massage. Live demonstration on essential oil extraction on pilot scale and laboratory scale was made by Dr. Rakesh Kumar and Dr. Rashmi, respectively.

Third day 11 June, 2014 began with practical demonstration on essential oils quality assessment by Dr. Rakesh Kumar, followed by characterization of essential oils using GC and GC-MS by Shri P.K. Kukreti, Research Officer, Chemistry Division and Dr. V. K. Varshney, respectively. Besides, Dr. S.V. Shukla, Principal Director, FFDC talked about the evolution of perfumery and aromatherapy, olfaction methodology, and classification of fragrant raw materials. All the participants enthusiastically took part in various lecture and demonstration sessions.

On the fourth day of training programme the June 12, 2014 all the participants visited Non Wood Forest Products (NWFPs) Division's nursery, FRI where they were given the exposure about uses and impact of different aromatic & medicinal plants by Dr. Pradeep Sharma, Research Officer, NWFP Division, FRI. A lecture on "Evaluation of essential oils for use in aromatherapy" was delivered by Dr. Mohammad. Muzeeb, Associate Professor, Jamia Hamdard University, New Delhi. The second half of the session was covered by Dr. S. V. Shukla with his lectures on basics of aromatherapy and its scientific and ayurvedic evidence followed by fundamentals of fragrance creation.

On the last day i.e. June 13, 2014, Dr. S.V. Shukla deliberated in detail on chemistry of carrier oils, storage and blending of essential oils for fragrance and flavor followed by practical demonstration on fragrance creation. The day ended with the Plenary & Valedictory session chaired by Dr. P.P. Bhojvaid, Director, FRI, Dehradun. In this session, Dr. V.K. Varshney welcomed the chair and gave a brief report of the training. Participants also shared their views and experiences about the training programme. Dr. P.P. Bhojvaid appreciated outcome of the training and emphasized to organize such programmes in future. The Chairman distributed certificates to all the participants. Dr. S.V. Shukla, also expressed his views about the training programme. The session was ended with vote of thanks proposed by Dr. Rakesh Kumar.

PHOTO GALLERY

INAUGURAL SESSION



TECHNICAL SESSION



PRACTICAL DEMONSTRATION

ESSENTIAL OIL EXTRACTION AT LAB & PILOT PLANT SCALE





AROMATHERAPY MASSAGE & FACIAL



GLIMPSES OF VALEDICTORY FUNCTION



