



Casing perfume @ signature  
*Pine needles*

Mussoorie Forest Division's,  
*Dhatree Federation Devalsari Range*  
Mussoorie Uttarakhand



Perfume @ signature  
*Hedychium Coronarium*  
Jyoti Marwah Creation  
Life Member IWSA  
Mussoorie, Uttarakhand



**CELEBRATING WOMEN IN SCIENCE FOR  
THE LAST 50 YEARS**

**50**

**Golden Jubilee Perfume**

**MUSOORIE FRAGRANCE AND FLAVOURS  
INSTITUTE, UTTARAKHAND**

**MUSOORIE FOREST DIVISION, UTTARAKHAND**

MISSION	OCCASION HIGHLIGHT	THE FLOWER OF UNITY
<p>Under the aegis of Mussoorie Fragrance and Flavours Institute which is a unit of Dr. Om Prakash Duggal Charitable Society the Institute has been working towards communicating plant science for human wellness for the last four years. The Institute has aligned with many reputed Organizations for a 100 percent tracking activity from cultivation of new plant aromas, domestication of some wild flora and harvesting of wild Himalayan plants for this purpose. The Institute faculty has presented research papers at international conferences and continues to do in-house valued addition as well as analysis of extracts for creating natural personal products at the Mussoorie Centre, with valued support and inputs from organizations like Forest Research Institute Dehradun, Centre for Aromatic Plants Selaquin Dehradun and SH Kelkars Mumbai.</p>	<p>I50 the Golden Jubilee Perfume of Ginger lily or <i>Hedychium Coronarium</i> (garland flower) is from the hills of Uttarakhand. Designed at MFFI and is a Jyoti Marwah creation being 100 percent natural which brings Nature close to You. It is cross gender and safe for all ages even children.</p> <p>This flower is native to India and is generously found growing in different parts of our country. Flowers of ginger lily have an amazing aroma. Can be used as a Skin moisturizer for rejuvenation. It is safe for use on skin and hair.</p> <p>It's flowers stands for purity, posterity and diversity.</p> <p>It contains...sesquiterpenes, esters, terpineol, limonene and its flowers, leaves, root are used as anti-oxidant and for anti-microbial benefits.</p> <p>Interestingly Mahabharata describes Bhim going in search of <i>kalyanasaugandhika</i> a flower with a heavenly fragrance to satisfy Panchali 's desire. Scientists have deduced that Vyasa's was describing <i>Hedychium coronarium</i> or the white ginger lily.</p>	<p>This flower does not differentiate between states and its people and is endearingly called by the following names :</p> <p>Sontaka in Maharashtra Kahili ginger in the Himalayas Surili Sugandhi in Kannada Dolan Champa in Hindi Saugandhika Pushp in Hindi Pakhila Phul in Assamese Chankitam in Tamil Vasa Vasanthi in Telugu Takhellei Angouba in Manipuri Swarn champa in Oriya</p> <p>Here in the Himalayas it takes the snow and the chill to brave the harsh climatic conditions and become more and more sturdy with every passing year.</p> <p>This has been combined with the sustainable use of pine needles to make the casing for the perfume bottle. These needles contain an essential oil that gives the hand-crafted case a long life without molding and getting fungus ridden. Pine forests are known for their healing attributes and were the sanitarium destination for healing with pine air, when there was no medication or treatment of tuberculosis.</p>

## Showcasing the Stages in the Creation of 150 Perfume @ Signature

We have made it 100 percent natural and safe for use by all age groups including children and to make it a cross gender perfume .... from early farm collection of plant material to extraction and distillation to procure our own essential oils, shade drying, making oil pomade and serums and blending with the appropriate essential oil we have obtained the perfect perfume note.



## The Beginning

It started with a humble suggestion by our IWSA President Dr. Rita Mukhopadhyaya in August 2021 if there was a possibility to design a signature perfume for the IWSA golden jubilee in 2022. This was at the platform of an online course on Understanding Fragrances and Flavours for Entrepreneurial Skills by Mussoorie Fragrance and Flavours Institute that had brought the two of us together. So, it set the ball rolling and we picked up the best option 'BUTTERFLY GINGER LILY' known as Sontaka in Maharashtra and my suggestion was accepted by the IWSA members when I visited Vashi in October 2021. It is one flower that is native to our land and is found in every part of our country. It is a plant with fragrant flowers, leaves and roots. Every Indian identifies with its mesmerizing aroma. Ginger lily has a middle and base note that blends well with Cypress and pine as the base note, Lavender for its middle note and Chamomile for the top note. Finally, the most highly appreciated and unique top note of ginger takes the aroma of this blend to the next level giving it an enhanced and crispy fragrance that

works for both cold and warm climatic conditions. Thus, we come close to the international brand- Versace Crystal Noir scent. The difference being that in place of alcohol as a base we substituted carrier oils to make it wholesomely safe for children and give it a touch of being a curative and healing fragrance.

Further, it gives us a sense of satisfaction and delight in making this blend as the essential oils used are our own in-house produce grown, harvested, distilled and free of any rectification till the final creation.

The Mussoorie Forest Division headed by DFO Ms Kahkashan Naseem IFS is motivating the farmer SHGs to cultivate Lavender, Chamomile, Rosemary and Damask Rose in the rural region, to ensure self-sufficiency in available plant raw material and also to promote capacity building of the farming SHGs. So we are working hand in hand. MFFI reciprocates by training the SHGs in the making of personal care products, so we are in a give and take relation with each other. This is the beauty of our work here.

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## Mussoorie Forest Division: Mission and Vision

### DFO Ms Kahkashan Naseem, IFS Uttarakhand Govt.

More than 20% of India's land is covered under forest. Among these forests, forest of Himalaya is most diverse and mystical. Along with the huge glaciers the oak forest of these Himalayas also produce springs which finally makes the rivers that feed the entire north India. Protection of these forests is utmost necessary, not only for the present but also for the posterity. The modern urban population spreading very fast in these mountains, but they are not aware or they do not want to be aware about the importance of this conservation. In comparison, the rural women of these area are much more aware. The burning example is the oak forest of Bhatoli village, near Kempty a popular tourist destination, where the women of the village have conserved an oak forest without any external aid or help, because they know that this forest is their lifeline.

However, among these forests, the most notorious one is pine forest, a generator of villainous forest fires. But the truth is something else. It is a type of ecosystem which is governed by the fire climatic factor and no other tree species is able to survive those harsh areas. Thus, making a probable barren land into a forest. The health benefits of pine tree is enormous as it contain high quantity of essential oils.



The first Forest Wellness Centre of India was opened in a pine forest of Ranikhet, Uttarakhand. Uttarakhand Forest Department is very active towards generating livelihood opportunities from pine needles a.k.a. PIRUL such as coal briquettes, energy generation, handicrafts, etc.

In this direction the Mussoorie Forest Department has trained the rural women of Devalsari in making basket, pots and plates from pirul, which are eco friendly and long lasting because of the presence of essential oils. The division has also came up with an idea to use pirul as a packaging material, which will be beautiful, ethnic, aesthetic, eco-friendly, and also it will also provide financial independence, self confidence to the all women SHGs involved in this livelihood initiative.



Casing for Perfume I50



Making Baskets at Village Bangsil,  
Budkot Moldhar and Thik  
(Devalsari SHG)



SHGs Learning Natural Soaps



Making Baskets at Village Bangsil,  
Budkot Moldhar and Thik  
(Devalsari SHG)



Potpourri in Pine Basket



Making Baskets using Pirul at Village  
Bangail, Budkot, Moldhar, Thik



Making Baskets at Village Bangsil,  
Budkot Moldhar and Thik  
(Devalsari SHG)



Making Baskets using Pirul at Village  
Bangail, Budkot, Moldhar, Thik



Devalsari: Cedarwood Abode

## ‘सागर’ अकबराबादी द्वारा रचित

आबाद गुलिस्तां है, आबाद ये जहां है,  
विज्ञान और नारी का ऐसा मेल यहां है।

मेहनत, उमंग और सबका साथ,  
संग लिये हाथों में हाथ,  
नई नई खोज और विज्ञान,  
नारी साझा करती ज्ञान,

नारी के कदमों के नीचे तो ये आस्मां है,  
आबाद गुलिस्तां है, आबाद ये जहां है,  
विज्ञान और नारी का ऐसा मेल यहां है।

हिमालय की वादी की खुशबू,  
फैल रही है अब तो हर सू,  
कोमल हाथों की रंगत है,  
हर इक की पूरी मेहनत है,

जहां में ऐसी खुशबू कहीं और कहां है?  
आबाद गुलिस्तां है, आबाद ये जहां है,  
विज्ञान और नारी का ऐसा मेल यहां है।

हो मुबारक IWSA आधी सदी का ये सफर,  
और भी राहें नई नई, और नई नई डगर,  
I50 की ये सौगात, याद दिलायेगी ये बात,  
कभी नहीं रुकेंगे हम, बढ़ेंगे साथ साथ,

आगे बढ़ते रहना ही प्रगति का निशां है,  
आबाद गुलिस्तां है, आबाद ये जहां है,  
विज्ञान और नारी का ऐसा मेल यहां है।

## One Earth

We pledge to use the resources without causing harm to any creation of nature

We shall use what nature gives to the best possible without destroying her

We will work for the good of all and the future generations

We will practice and teach the young about nature's goodness without individual greed

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Indian Women Scientists' Association

Launch of **I50**  
Perfume@signature

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