



Thursday 5 November  
**EU-India PARTNERING EVENT**

*Theme: Fork to farm: Food  
(including seafood), health and*

**RESEARCHER'S NAME:**

**Dr. Anil Kumar Singh**

**RESEARCHER'S ORGANISATION:**

**CIMAP (CSIR), Lucknow-INDIA**

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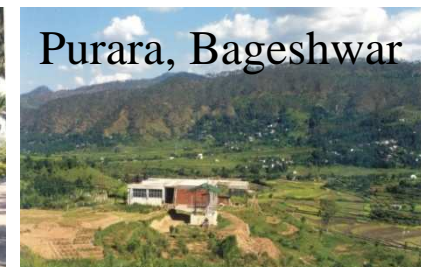


# RESEARCH CENTRE

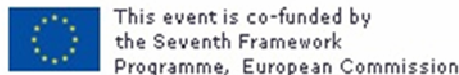


*Fork to farm Fork to farm Fork to farm Fork to farm*

**CIMAP**, a national lab of **CSIR**, through its well defined mission of “**Green Path to Better Life**”, while conserving the genetic resources systematically, is making available the improved agro- and processing technologies of commercially important **medicinal and aromatic plants (MAPs)** in comprehensive package with quality seeds and propagules to the growers and entrepreneurs.



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# PROJECT IDEA

*Fork to farm Fork to farm Fork to farm Fork to farm*

Besides **agro-** and **processing technologies** for sustainable production of medicinal and aromatic plants(MAPs) , CIMAP offers a series of **products useful for general health and hygiene** based either on the **traditional knowledge** or as a direct output of the research that goes into **prospecting newer biologically active molecules**.

CIMAP also looks forward to the S&T collaboration in the mutual area of interest.



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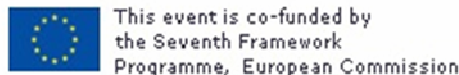
# PARTNER SOUGHT



*Fork to farm Fork to farm Fork to farm Fork to farm*

- Agrotechnology for medicinal and aromatic plants
- Processing and value addition
- Product formulation for general health and hygiene
- S&T co-operation/collaborative projects leading to technology development, demonstration, etc.

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# CONTACT DETAILS



*Fork to farm Fork to farm Fork to farm Fork to farm*

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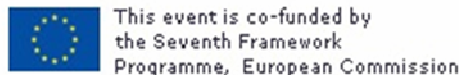
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# Medicinal and Aromatic Plants Based Products



**CIMAP**

**Central Institute of Medicinal and Aromatic Plants  
(Council of Scientific & Industrial Research)**

**Lucknow-226015 India**

**[www.cimap.res.in](http://www.cimap.res.in)**

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# Product Portfolio

1. Mosquito Repellence
2. Skin Care
3. Pain Reliever
4. Disinfectants
5. Nutraceuticals



# FLOMOP




## CIMAP Know How

- Biosafe, scented insect repellent floor mopping formulation based on essential oils
- Repels almost all house insects and leaves a lemon fresh aroma
- Commercially available floor mops contain phenols and so leave behind residual toxicity



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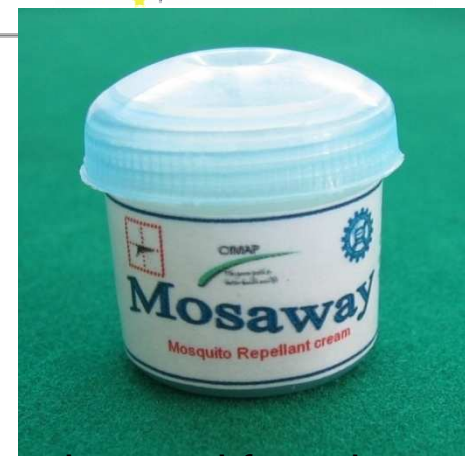


# Mosaway

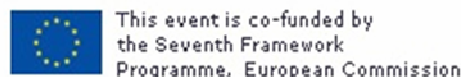


- Based on essential oil and plant extract known for insect repellent activity.
- The formulation has been developed in a vanishing cream base, which contains glycerine that provides an emollient effect.
- Mosquito repellent activity checked in a specially designed chamber and found to repel 100% of the mosquitoes.
- The plant genotypes used for the ingredients have been well worked out in terms of agrotechnology and extraction.
- Dermal irritation tests have been carried out and has been found to be non irritant.

**Indian Patent #  
656/DEL/97**



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# MOSPRA Y

**Indian Patent #  
186120**

- Mosquito repellent spray
- Natural mosquito repellent formulation
- Combination of plant extracts and essential oils
- Safe, eco-friendly and biodegradable
- Can be used as a room freshener as well



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# MosEx

**Indian Patent #  
656/DEL/97**

- Mosquito repellant body lotion
- Plant based ingredients that repels mosquitoes ensuring safe, healthy and sound sleep
- Ecofriendly, non irritant and can be used while travelling or while sitting in the lawns, etc.



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# MOSNOBITE

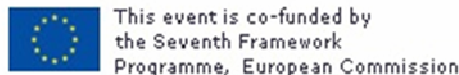


- A unique herbal liquid vaporizing formulation derived from easily available and GRAS listed plant products, suitable for combating
- 'Mosnobite' may act as herbal substitute for commercially available synthetic pyrethroid based products being used in liquid vaporizing machine.
- It has pleasant smell and almost colourless in appearance.
- A 30 ml herbal liquid vaporizing formulation effective for 30 days (7-8 hours per night), is superior than commercially available pyrethroid based products in terms of activity and duration.

**Indian  
Patent #  
226NF/2005  
(Filed)**



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**Patent in China**  
**# ZL00801425.6**



# Mosquito Repellant Incense Stick

## MosRep

- Natural Mosquito repellent formulations effective against mosquitoes
- Uses essential oils, flower power, plant by-products and binder
- Safe and environment friendly formulation
- Suitable for rural areas and open places like lawns, etc.





**US Patent #  
6,126,950**

# **Cracknil** (Anti-crack cream)



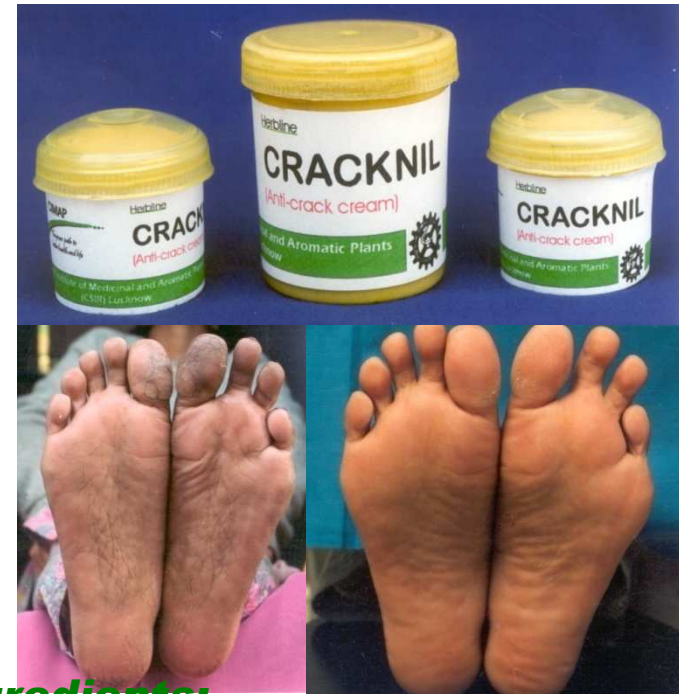
**Cracknil is an effective cream to cure cracks of heel, chapped hands and dry skin. The formulation is safe, protects the skin and does not allow any re-occurrence of the cracks.**

## **Time taken for recovery:**

<b>Mild cracks</b>	<b>3 days</b>
<b>Moderate cracks</b>	<b>7 days</b>
<b>Severe cracks</b>	<b>10 days</b>

## **Antimicrobial profile**

- *Candida albicans*
- *Aspergillus flavus*
- *Aspergillus niger*



**Active Ingredients:**  
**Natural essential oil, curcuma extract, wax, petroleum jelly, resin and zinc oxide.**

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# HAloe Skin



- An *Aloe vera* based all purpose cream
- Cure cracks in heels, chapped hands, dry skin and eczema etc.
- Non irritant and makes the skin soft and glowing
- Water washable base as a result of which the product is giving a smooth & soft feeling


**CIMAP's know-how**

*Aloe vera* based formulation is increasing the total protein at injured tissue and hydroxyproline significantly, when compared with control. Hence, showing positive wound healing activity.

Primary Irritation Index (PII) is 0.5, it is considered as **not irritant** to skin as per FHSA regulations.



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# MYCONIL

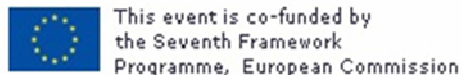


**US Patent 7,291,349**

- Broad spectrum antimicrobial cream formulation
- Herbal extract and essential oil in a cream base
- Active against filamentous dermatophytes and *Candida albicans*
- Non staining, biodegradable and without any chemicals or preservative



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# Geranium Active



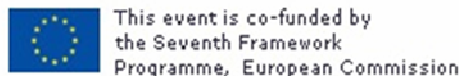
## CIMAP's know-how

- **Geranium active** is a scientific herbal formulation intended for the control of dandruff along with cleansing agents.
- Apart from this medicated property, the product is also aimed to influence favourably the manageability, feel & luster of the hair thus leaving a good conditioning effect and making the hair soft and silky.



Bioactivity of *Geranium active* against species of fungi namely *Microsporum gypseum*, *Trichophyton rubrum* and *Epidermophyton floccosum* known to infect the hair and thus aggravating the dandruff.

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# ***PAIN CHHOO...*** **Pain Balm**

**Indian Patent #  
185770**

- Herbal based Pain balm formulated incorporating essential oils and its components.
- Base media being beeswax and petroleum jelly.
- Useful in headache , muscular sprains, cold etc.,
- Acts as a counter irritant thus relieving pain.
- Pleasant aroma and acts as mood elevator relieving heaviness, when used in small quantities.



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# han kool

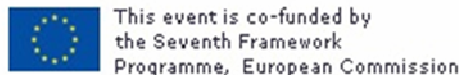


**US patent 6,767,876**

- Effective and coolest way for **hand disinfection** with **broad spectrum** antimicrobial activity
- Useful Health professionals and researchers
- Can be a household utility as toileteries
- Mint based- refreshing aroma
- Non-irritant and safe
- Handy disinfectant during travel



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# SWABEE



- Surface disinfectant
- Essential oil based powerful disinfectant that kills most of the pathogenic microorganisms
- Non- corrosive, bio-safe and can be used on surfaces like kitchen platform, cabinets, floor, ceramic tiles, bathrooms etc.
- Ideal for health professionals and researchers

**US patent #  
6,767,876**





# Kleenzie

FRUIT FRESH

# Kleenzie

LIME FRESH

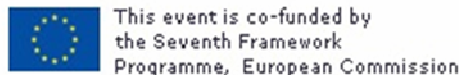


## CIMAP's know-how

- Value added herbal hand wash for effective cleaning and moisturizing
- *Aloe vera* and natural essential oils based.
- Imparts the soothing aroma along with anti-microbial activity.
- Gentle even on the sensitive skin and non irritant to skin.
- Active against skin commensals and dermatophytic fungi



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# CIM PAUSHAK

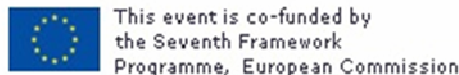


## CIMAP's know-how

- Rasayana based immunomodulator in the form of *awleh*
- Formulation of twelve well known powerful ayurvedic ingredients with Phyllanthus (Amla) as the base.
- All ingredients are individually known for their nutritive value
- In combination, the formulation renders a harmonious synergy leading to better metabolism.



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# CIM Phal-Se

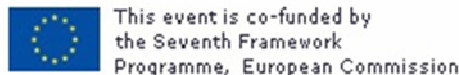
CIMAP's know-how



- CIM Phal-Se is a nutritive formulation developed by CIMAP in granular form. It is an ayurvedic knowledge based formulation providing the benefits of high value fruits **Amla** and **Bael**.
- **Amla Fruit** is a rich natural source of vitamin C and trace minerals aiding the antioxidant source.
- **Bael Fruit** is rich source of carbohydrates and pectin-a nutritional fibers, facilitating the digestion ability of the body .
- CIM Phal-Se is prepared to be taken orally as a chewable food value supplement which can enhance the immune potential of the body beside providing the benefit of the nutritionally rich ingredients.



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# OUR CAPABILITIES

Organic certified herbs and essential oils

Certified organic manures from distillation waste

Organic planting material

Technology dissemination adopting 'Biovillage' approach



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# Thanks

*From*

# Team CIMAP

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