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Presidents Message

Greetings dear readers, and to all the members of the Indian Society of Cosmetic Chemists.

I would like to start by updating you on some of the recent changes in ISCC. In the duration of the Covid pandemic, we had to postpone Elections, which we were finally able to hold in March this year. I am happy to say that we now have unanimously elected a new Managing Committee of 15 members which has a good representation from across India, including the North and the South.

The new Managing Committee has many plans in place for making the Society a vibrant community for the exchange of ideas, knowledge sharing and interactive events. As a start, we are hosting the 2-day ISCC Conference and Workshop at the HPCI Exhibition in Mumbai this April.

The past two years have been challenging for the Cosmetic Industry in India and globally. We have changed the way we look at and buy Cosmetic and Personal Care products. What were these changes, and how did they transform our industry? The theme for the ISCC Conference - Trends 3.0: Game Changer in the Cosmetic Industry, focuses on how we can deal with Constant Change in an ever-evolving world, and, New Technology, that is central to the way we have adapted to the new way of life and work.

The ISCC Conference will give us insights into a range of current trends. From how Cosmetics are being formulated and the use of Artificial Intelligence to understand what, why and how consumers are buying, to how digital marketing has become the norm, and the E-commerce boom.

The ISCC Conference will showcase some of these innovative products, as well as Sustainability and Packaging trends. As A I has become a key factor in consumer understanding and brand decision making it is necessary for us to give this subject its due at the conference. The ISCC workshop on Safety Evaluation of Cosmetics on Day 2 of the conference will address the heightened consumer awareness and concern about the safety aspects of cosmetic products.

ISCC from its inception has been an integral part of the IFSCC. We are honoured to be awarded the prestigious ASCS Conference for 2023. ISCC members have the benefit of receiving IFSCC magazines and registering for free IFSCC Webinars by international experts in the field of Cosmetic Science. ISCC proposes to be the voice of the Cosmetic Industry in India by representation of industry issues in bodies such as BIS and FICCI. We look forward to receiving support from all those who are hoping to promote the interests of the Cosmetic and Personal Care in India.



M. Mullick

Monisha Mullick
President ISCC



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Indian Society of Cosmetic Chemists (ISCC)

A Must for All Cosmetic Professionals

BENEDICT M MASCARENHAS
ISCC, Hon. Secretary

Indian Society of Cosmetic Chemists, popularly known as ISCC is a Society of Cosmetic Professionals - Cosmetic Manufacturers, Ingredient Suppliers, Cosmetic Packaging, Academicians, Students and caters to the interests of the Cosmetic Professionals.

Membership of the Society is open to all persons on an individual basis who are interested in promoting the objects of the Society, and who, in the opinion of the Council of the Society, have the necessary qualifications. The key objectives of the society include promoting the cause of Science & Technology in the development of the Cosmetics & Toiletries Industry through sharing competencies, building capabilities and networking for growth.

Membership to ISCC is currently available under the following Categories –

1. Life Members – Rs. 10,500/-
2. Fellow / Affiliate Member – Rs. 2,000/-
3. Student Member – Rs. 750/-

Membership Benefits:

For Life Members –

1. Ideal place to network and interact with the industry
2. You also get an ISCC ID Card with your name & photo as a Life Member.
3. ISCC Newsletter – Free to all ISCC Life Members
4. IFSCC Quarterly Magazine – Free to all Life Members
5. Attendance to ISCC Lectures and In-house Workshops conducted by Industry Leaders and International Professionals – Free / Subsidized Rate
6. Attendance to ISCC Lectures and In-house Workshops conducted by Industry Leaders and International Professionals – Free / Subsidized Rate
7. Concessional Rates for Workshops, Conferences & Seminars organised, partnered or supported by ISCC.

For Fellow/Affiliate Members & Student Members –

1. Ideal place to network and interact with the industry
2. ISCC Newsletter – Free to all ISCC Life Members
3. Attendance to ISCC Lectures and In-house Workshops conducted by Industry Leaders and International Professionals – Free / Subsidized Rate
4. Concessional Rates for Workshops, Conferences & Seminars organised, partnered or supported by ISCC.

For more details regarding application for Membership of ISCC, you can write to cosmeticchemists@yahoo.com.

ISCC Management Committee – 2022-24

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SUSOBHAN KR. DUTTA	COMMITTEE MEMBER
VIJAY RAJARAM BAMBULKAR	COMMITTEE MEMBER
VINAY KUMAR SINGH	COMMITTEE MEMBER

PLANS FOR THE FUTURE:

- Workshops & Training on Hair Science, Skin Science, Sensory & Performance Evaluation, Cosmetic Regulations, etc.
- ISCC Conference at HPCI
- PICASSA
- Other Collaborative Programmes

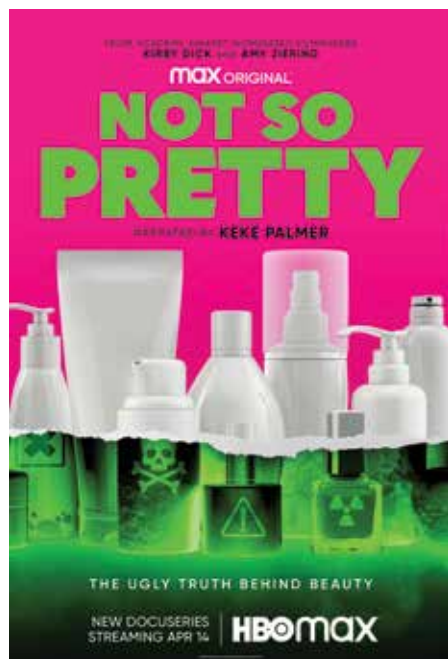
Dates to be finalised.

INDUSTRY NEWS



Japanese personal care brand Kao introduces a waterless dry shampoo sheet

In response to the growing demand for dry shampoos that can be used on the go, Japanese personal care giant Kao Corporation has launched a pair of dry shampoos under the hair care brand Merit, inspired shampoo sheet concept first developed for use in space. Day Plus Dry Shampoo is available in two forms - a spray and a sheet, both designed to clean hair on-the-go. The launch follows another intergalactic project, in which the brand was tasked with developing waterless shampoo sheets for use on the International Space Station.



HBO Max's 'Not So Pretty' exposes the beauty industry's dangers

Not So Pretty is a four-part docu-series by HBO Max which delves into the harm certain beauty products can do to its users. With Keke Palmer narrating the show, it exposes the secrets of the cosmetics and personal care industries, which are only loosely regulated at best, with little power to enforce changes from the FDA. The four episodes

cover a wide range of topics, makeup, nails, skin, and hair. Each one focuses on just one or two products to demonstrate how pervasive the issues are and how large corporations try to keep the truth from getting out.



Beiersdorf introduces the world's first cosmetic product with recycled CO2

As Beiersdorf utilizes new opportunities to reduce the emission of harmful carbon dioxide, the company has come up with a skincare product which is formulated using recycled CO2. The Nivea Men Climate Care Moisturizer contains 14 percent ethanol made with carbon from industrial sites and is free of free of micro-plastics, silicones, mineral oils, and PEG/PEG derivatives. The formula is 99 percent biodegradable, and the packaging is fully recyclable. It will be available in limited quantities in German drugstores and online retailers beginning in early June 2022.



Meet the winners of in-cosmetics Global 2022 Innovation Awards

The in-cosmetics global awards,

which honoured the most innovative personal care ingredients, were held in Paris from April 5th to 7th. IFF - Lucas Meyer Cosmetics won the Gold award for the Innovation Zone: Active Ingredient Award for its Wastar Pink Berry. Functional Ingredient Award in the Innovation Zone. Lubrizol Life Science's PemuPur START polymer won Gold award for its Functional Ingredient Award in the Innovation Zone. Nafigate Corporation bagged the green ingredient award for its Biopolymer Hydal PHA - polyhydroxybutyrate, an up-cycling ingredient and biopolymer. Tagra Biotechnologies won the Rising Star Award.



The Environmentally-friendly, clean, and sustainable future of fragrances

The fragrance industry has always been in flux, but there is always room for growth.

According to Aitana Lopez de Carrion, Global Fine Fragrance Development Manager at CPL Aromas, the four movements that will shape the industry in 2022 are sustainability, digital, smarter processing, and functionality. Given the industry's raw material shortage, it's critical to promote sustainability through green chemistry and biotechnology. There is also a demand for blends that provide consumers with experiences and mood benefits, according to Carrion.

BASF and Henkel join forces to focus on renewable raw materials

Over the next four years, BASF and Henkel have committed to replacing fossil carbon feedstock with renewable feedstock for the majority of products in Henkel's European Laundry & Home Care and Beauty Care businesses. BASF's certified biomass balance approach will substitute renewable carbon sources for approximately 110,000 tonnes of fossil-based ingredients per year. The measure will be put in place shortly and will save approximately 200,000 tonnes of CO₂ emissions.



Solvay and P&G team up to boost sustainable Indian guar production

Solvay and P&G collaborate intending to double the global supply of sustainable guar farming in India. Launched

in 2015, the Sustainable Guar Initiative now in partnership with P&G Beauty will accelerate sustainable guar growth at scale, empower more women farmers, and improve the livelihoods of smallholder guar bean farmers in India. This partnership will add 5,250 new farmers to the programme, bringing the total reach of the SGI programme to just over 11,000 farmers.



Purell introduces two unique natural foam hand sanitizers

Purell has expanded its product line with the addition of two new foam hand sanitizers.

The PURELL® Naturals Advanced Hand Sanitizer Foam which is 91% bio-based and made from plant-based ethanol, and the PURELL® Advanced Hand Sanitizer Moisturizing Foam is a hand sanitizer and moisturizing foam in one. It rejuvenates skin and kills germs with a unique blend of hydrating and moisturizing ingredients, including antioxidants and Vitamins B3 and E.

The rich foam clings to hands for mess-free sanitising and dries quickly. Both products are naturally fragranced with a blend of essential oils and no harsh preservatives, dyes, triclosan, parabens, or phthalates in either product.



Micro-beads and micro-plastics found in Indian personal-care and cosmetics

As per a study by an NGO called Toxics

Link, many personal-care cosmetic products (PCCPs) in India have micro-plastics and micro-beads which are harmful for the environment. Micro-beads are primarily micro-plastics that are found in cosmetics as the rinse-off and leave-on ingredient for exfoliation, cleansing, maintaining viscosity, and more.

In this study, 19 face washes, seven facial scrubs, and nine body washes, a total of 35 products were tested. 20 of these products were found to have polymers 14 of which had micro-plastic beads. Of all the products, Neutrogena Deep Clean Scrub had the highest concentration of micro-plastics beads followed by VLCC Natural Sciences Rose Face Scrub and Fiama Shower Gel.

Micro-plastic pollution is extremely harmful to the environment. It is accountable for a large proportion of man-made solid waste in water and affects the aquatic habitat.

L'Oreal patents self-bubbling peel-off face mask which reduces water consumption

L'Oreal has developed a self-bubbling peel-off face mask that could reduce the usage of water. As per the US patent, the product has a self-bubble feature without lathering that forms a film that can be peeled off from the skin without needing water. The mask deposits skincare actives and has self-foaming without perfluorinated compounds that are harmful health and the environment. The mask is made of polyvinyl alcohol, sugar alcohols, one surfactant, one or more hydrophobically-modified polymers, and one silicon oil, which causes the bubbling. Besides the cleanser property, the mask will have a broad spectrum of water-soluble actives like hyaluronic acid, vitamin C and more. The ingredients in the mask offer good moisturising, brightening, reduce acne and help in anti-aging.





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TECHNICAL ARTICLE

Rice Ferment Filtrate in Cosmetics

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Rice water is nothing but cloudy-milky water that you throw away after soaking the rice for a few hours or boiling them. You would be surprised to know that this rice water contains a lot of minerals and vitamins like amino acids and vitamin B6, which might benefit your skin and hair by increasing shininess, enhancing softness, strengthening the hair while protecting against the various damages to your skin & health goes through.

Rice is part of India's beauty legacy which contains ferulic acid, a powerful antioxidant, and allantoin, anti-inflammatory properties. So, whether you eat rice or not, use it in your face

pack for glowing skin! The starch in rice water soothes the skin in conditions like eczema.

The History of Fermented Rice Water in BEAUTY

A Chinese Village in Huangluo was named as the 'Long Haired Village'. This is because the Yao women out there have the most beautiful, shiny, long hair. And guess the length of their hair? The majority of the women have hair longer than 1.4 meters, and have made a place for themselves in the Guinness Book of World Records as the "world's longest hair village". Besides, they do not have grey hair right till their late 80s.

Yao women believe that long hair signifies prosperity, good fortune, longevity, etc. and it is undoubtedly their prized possession! They believe that the **fermented rice water**, which they use to cleanse their hair, is what helps to keeps their hair long, dark and clean.

Female rice farmers in China, Japan, and other Southeast Asian countries used to bathe and wash in the water used for cleaning rice. Rice water was also the secret recipe of flawless-skinned Japanese geishas for centuries. Rice water illuminates, firms, and tightens skin to create a porcelain finish. It reduces pore size, leaving a powdery, soft feeling behind. Rice water is also good for acne as it reduces redness and blemishes.

Black Rice and its BENEFITS

Varieties of black rice is grown everywhere from Thailand and Indonesia to China, Japan, and India. This rice also grows in countries across the world. Some varieties are short-grained, and some are long-grained. Long-grained rice is slightly healthier since it has less starch, giving it a lower glycemic index.

Black rice is indigenous to Northeast India, and is extensively grown in Odisha, West Bengal, and Jharkhand. Commonly eaten in Manipur, the dish is called chak-hao, which translates to rice (chak) which is delicious (ahaoba). It's a medium-grain rice that originated in China and other parts of Asia some 10,000 years ago.

Almost unique to the Chettinad region in Tamil Nadu, Kavuni Arisi (black rice) is evidence of the Chettiar community's strong links with Burma. Black rice is prevalent across Southeast Asian cultures and is a rich source of Iron and Vitamin E. The bran hull of black rice has one of the highest levels of **anthocyanin** antioxidants found in any food (even more than blueberries).

It also is tricky to grow, as its yield is often as low as 10 percent of other rice varieties. It's occasionally called "Emperor's rice" or "forbidden rice" as oral history suggests that only the richest of the rich could afford the delicacy. The Chinese Emperor had forbidden it to all others, so as to ensure his health and longevity.

The SCIENCE of Fermented Rice Water

The pH level of rice water is slightly harsh on our hair. However, Fermentation reduces the pH level of rice water to equal the pH level of the Hair, and nourishes it better, due to the effective penetration of vitamins into the scalp and hair structure.

Its purported benefits include:

- promotion of hair growth
- protection and repair
- increased shine and smoothness
- detangled hair
- reduced hair fall and stronger hair



Fermented rice water contains **Vitamins, proteins, minerals, keratin and antioxidants**.

Fermentation magnifies the nutrition of rice water, producing additional nutrients such as **niacin** and **biotin**, ingredients present in most hair growth supplements. It also has a natural carbohydrate called **Inositol** which penetrates and lingers in the hair shaft to provide repair and lasting protection.

Among the various rice varieties researched at our Biotech Centre, Black Rice was found to possess significantly higher levels of different carotenoids like **β-carotene**, **lutein** and **phenolics**. It is rich in **18 amino acids**, minerals and vitamins e.g. Copper, Iron, Zinc. It is also reputed for having high **anthocyanin** content and hence, high antioxidant activity, which protects, the skin and hair from damages caused by free radicals.

Fermented Black Rice Filtrate has lingering effective conditioning effect on hair and a soothing & moisturizing effect on skin, making it useful for Hair care, Skin care & Colour cosmetics alike.

Truly, it just might be Asia's best kept beauty secret, as also confirmed by The Health Science Journal.



TECHNICAL ARTICLE

SUNBLOCK:

Not just screening the UV radiation



When closely scrutinizing about the impact of the sunrays on the skin, studies show that sun's ultraviolet light can cause major damage to it. Being out in sun without safeguarding our skin can cause a much physical damage by UVA and UVB radiation.

Have you ever wondered what is the difference between UVA and UVB?

Well, here's the answer:

UVA

Affects inner cells in the top layer of skin including dermis

UVB

Affects cells present in the top layer of the skin

You might be surprised to know that SPF measures only UVB protection and does not indicate anything about UVA protection. In another context, some active sunscreen ingredients can block UVB very well, but let harmful UVA radiation pass freely.

So, it is important to use a product that blocks both UVA and UVB sunrays equally.

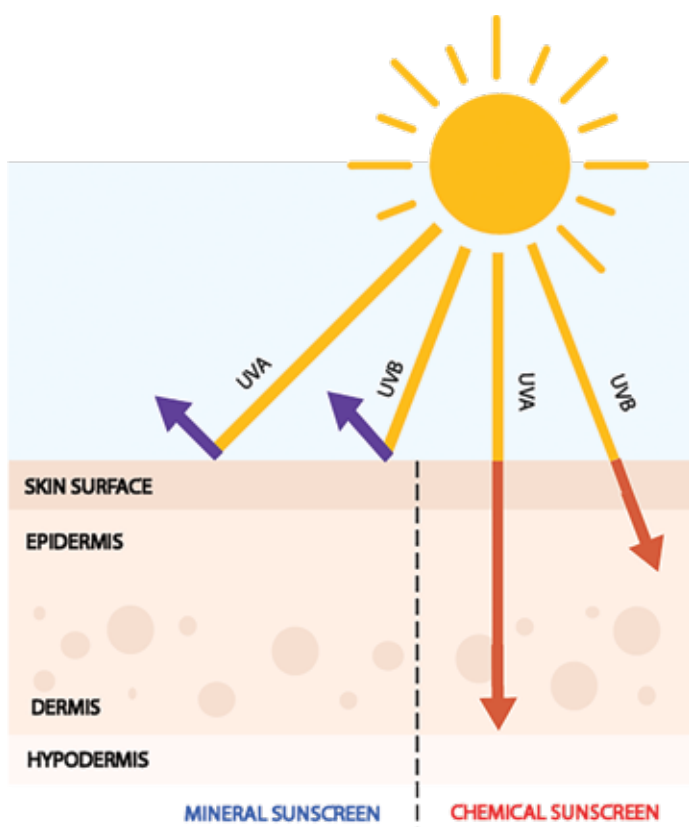
What gives better protection from sun-damage – Sunscreen or Sunblock?

While there's a huge fallacy about the difference and is often mistaken as one which in-fact are contrast with one another. To study this closely let us first see the difference between them.

- **Sunblock is the physical barrier between skin and sunrays** says a board-certified dermatologist; **Sunscreens** on the other hand **provide sun protection** but it is still not clear how potentially damaging they could be with consistent use.
- **Sunblock works almost immediately** - one can apply it right before sun exposure and there's no need to wait for it to get

absorbed as it forms a physical barrier. 'Sunblock' literally forms a physical barrier to block the UV rays (Both, UVA and UVB) with right mineral filters like pre-dispersed UV filters, powder UV filters.

- **Chemical Sunscreens** contains ingredients like oxybenzone, avobenzone etc. which are more likely to get absorbed by skin whereas, a physical sunblock formulation contains barrier-forming ingredients like titanium-dioxide, zinc oxide which along with film-former forms layer obstructing sunrays to penetrate inside the skin.



What are the Common Myths and Apprehensions?

- **Mineral UV filters are micro plastics**
Micro plastics are particles containing a solid polymer to which rest of the composition have been added in the formulation. This myth generally comes from a misunderstanding of the composition of mineral UV filters, which does not necessarily have polymeric materials. So, non- micro plastics UV filters would be a recommendation.
- **Mineral UV filters cause white cast**
This myth often discomforts manufacturers from trying sun-care products containing TiO₂ and ZnO. It works by absorbing and scattering light from skin surface that might lead to a white tint. However, extremely fine size non-nano UV filters that creates invisible formulation on application are available and recommended.
- **Mineral sun-care products can be unstable**
Well, the truth remains that all types of sun-care products and UV filters pose challenges for formulators.

There are some myths that organic/chemical filters are “easier” to stabilize in formulation, compared to particles which are harder to stabilize only due to tendency to agglomerate and sediment. However organic/chemical filters can crystallize out of solution and require the right oil-phase at the right level to be stable, so are not necessarily the “easier” option.



Inorganic/mineral filters on the other hand can be rightly designed with dispersing agents which assist the even suspension of particles in formulation. Such formulations are highly stable to agglomeration and sedimentation that makes them stable and more straightforward.

The bottom line: Which sun-care product should we choose?

Well, while the scientific evidence associating common chemical filters with potential hormone disruption and environmental damage continue to accumulate, consumers should choose whether to take part in this experiment or opt for using safer mineral filters. Currently there are two active ingredients, titanium oxide and zinc oxide, determined as safe and effective by the FDA's proposed ruling and others are counting faster. Titanium dioxide doesn't protect you against the full range of UVA rays, hence the synergistic zinc oxide is the perfect solution as the main active ingredient.

So, if we could recommend you a tip for prolonged sun-care, sunblock with mineral UV filters would be it. Sunblock provides protection to skin and lowers the risk of developing skin concerns. Now-a-days sunblock with zero white cast are available. For daily use, Sun-care product which comes with water-resistant properties and has an SPF of at least 30 would be commended as it has a longer effect and does not need to be reapplied often. Perusal of INCI is always recommended as it gives a clear idea and information about the key ingredients in a product.

Clueing in- One can always choose sunblock with optimum SPF and suitable film-former.

For more information; get in touch with us through samiksha.pande@vimallifesciences.com



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- Choice of application from transparent to slightly opacity
- High water resistance
- Low use level offering high UV-protection

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INNOVATION COMPANY®
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TECHNICAL ARTICLE

ISO DECYL OLEATE

*Innovatively produced unique ingredient for Cosmetics***Vinay Kumar Singh**

Head-Formulation

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Isodecyl Oleate is an ester of oleic acid formed by esterification of oleic acid with Isodecyl alcohol. Isodecyl Oleates have been widely used in cosmetic and personal care products.

In Skin care products, it offers unique attributes like Non-oily feel, Skin conditioning, Good spread ability, Fast absorbency, Lightweight emolliency, Enhancement of shine. It also Improves the aesthetics.

It also has unique property to offer for Hair care products like Shine-enhancing, Anti-frizz properties, Non-oily feel.

When applied to the skin alone, they deposit a thin oily film that is neither greasy nor tacky. They have good lubrication properties and possess low viscosity. This is used as dispersants and lubricants in cosmetic formulations, and is particularly important in makeup and makeup removers, in which they are used as wetting agents for iron oxide pigments; particles of such pigment are dispersed and easily suspended. The use of these ingredients facilitates the application and removal of a suspension.

By virtue of its branched chain structure, Isodecyl Oleate possesses several distinct properties. It has the ability to lower the freezing point of the emulsion phase of products, as well as to control product viscosity. In dispersible bath oils, it forms a white emulsion, giving the tub water a rich and milky appearance. It also has the ability to suspend aluminium chlorohydrate, which makes it valuable for dry antiperspirant

formulations. Lipstick formulations have employed Isodecyl Oleate because its coupling properties increase the hardness and strength of the product without reducing its flow characteristics.

Following is brief of Innovation

The innovation substantiates the integration of biocatalysis into the chemical process of esterification of the fatty alcohol, Isodecyl alcohol and the fatty acid, Oleic acid into an ester, Isodecyl Oleate. This significantly improved the process economy by avoiding time, effort, and solvent intensive steps directing the process towards green and sustainable chemistry. The enzyme Lipase immobilised on a non-compressible resin carrier was used as the biocatalyst. The process is carried out at 50deg C temperature, achieving 95% conversion. The immobilised enzymes used at a level of 1% was successfully recycled ten times contributing to the cost effectiveness.

The uniqueness of this patent filed innovation is that, it has converted a chemical process into a biotransformation process at half of the process temperature without any solvent, cost effectively. As the biocatalysts are immobilised, it is easily filtered, washed and reused for the next batch. Ten cycles of reuse has been established in the production scale.

There is increasing pressure from both society and governments for chemistry-based industries to become more sustainable through development of eco-friendly products and processes that both reduce waste and prevent toxic substances from entering the environment. The chemical industry is vitally important to the world economy; however the success of the industry has led to some environmental damage and a low public perception of the industry. In order to prevent further environmental damage and to encourage more young people into the industry, the public acceptability needs to be raised by adoption of greener and cleaner processes and green product design.

The challenge present innovation tried to address is the redesign of a chemical process in order to eliminate hazardous chemicals and flammable solvents giving way to a greener cleaner and cost effective process for the emollient esters.

Kumar Organic Products Limited has been adjudged winner by jury of FICCI Chemicals and Petrochemicals Awards 2021 as Manufacturing Process Innovator of the Year 2021, for Kopester IDO (Isodecyl Oleate).



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Insight Into The Beauty Industry

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The Global Beauty Industry is a trillion-dollar business market. Many new launches are happening in the last years and many of them are doing good business in the market. Older companies who are depending on only door to door marketing and using other offline marketing methods are now shifting to online market because today scenario is more towards on the digitalisation and social media. Priority of consumers are shifted to product efficacy, product quality and product affordability because of social media awareness and online product reviews.



Habitual changes of the consumers like buying online as much as possible rather than going to the market to buy any product is due to this Covid-19 pandemic. Consumers have realised that they save time and money when buying online. This is the positive aspect learnt from this pandemic and that

why more and more Beauty brands are preferring online marketing and creating digital shops.

Most of recent launches in the Beauty industry are made with claims like Vegan, Cruelty free, Natural, Ecocert, Organic, Dermatologically tested, safe for use, etc... so based on this we can say that consumer awareness



is also increasing and that's why more premium products are launched now as compared to previous years and also many new products have been launched in colour cosmetics segments like Lip Stick, Liquid lipstick, Liquid foundation, Stick foundation, Eye liner, etc..

Entering the Beauty Industry with a new brand launch is a good reason for

a company. But there are many reasons to enter in this Beauty Industry. Many influencers are

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*We are participating in HPCI 2022
Date- 28th and 29th April
Venue- Hotel Sahara Star, Mumbai
Stall no- B4A*

Mumbai | Singapore | Milan | Jakarta | Amsterdam



Since 1922

earning more than a manufacturing or selling company by increasing the awareness of new beauty brands, new products, new formulations, new packaging materials, new market research, etc.

The Beauty Industry is growing like a skyrockets, new concepts; new trends and new technology are continuously supporting new entrepreneurs to enter in this market which is like an ocean, everybody can enter into this field and as per their capability they can grow and earn money.



In today's scenario everybody is working from home and usage of the laptop and smart phones are increased in many fold since to last two years and these all digital gadgets are omitting the blue light radiation and damaging the skin and that's why many new ingredients and formulation are coming up with the claim of blue light protection so that the new concept and product demands are increasing gradually.

Now concept of personalised cosmetics are in the trend. Many companies has initiated and started personalised Beauty Brands but it is mainly into the premium range of products so there are still gap for the mass market personalised products so new entrepreneur has to think on the personalised cosmetic with the affordable price which can hit the mass market and can generate the good revenue. Many companies are trying but still had a gap in this area. Shampoo with multiple actives range like active for dandruff control, active for hair volume, active for hair conditioning etc.; Cream with different actives like anti-aging, hyper pigmentation, reduce dark spot, brightening,



whitening, are few examples of personalised cosmetics.

Many applications are available in the smart phone to analyze the skin and identify the major skin problems like wrinkles, aging, acne, hyperpigmentation. These applications also suggest which products are more suitable to the individual's skin, so many brands are promoting their products through this kind of the application developer. Virtual makeup are also popularised now-a-days.

Latest news is that makeup industries are more conscious to adopt and jump into metaverse. Many international Beauty brands are working with the tech companies and trying to make module of their products in metaverse to engage, interact and attract the consumers and to run their own metaverse live streaming sessions. These online virtual events are growing all over the world. this is the new door open for the Beauty Industry. New technology trend acquisition are increasing rapidly due to this Covid-19 pandemic. In current scenario AI, AR & VR becoming the driving force for the new Beauty Brands as well as for the Beauty Industry.

There is one quote that no needs to learn everything. Needs to adopt path from the successful peoples had drawn in this Beauty Industry.

We can also say that Beauty industry is an evergreen industry, like a Bull Market of the world.



One-stop solution for **Natural Ingredients** in the area of **Personal Care**

Nano Tech Chemical Brothers is a leading personal care & cosmetic ingredients distributor in India that offers a comprehensive range of ingredients including Skincare, Haircare, Color cosmetics, Oral care & Suncare applications. We represent renowned producers of specialty ingredients across the globe in India.

Our product range includes:

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- Conditioning Agents
- Chemical Surfactants
- Butters & Waxes
- Fragrances

For more information, please contact us at

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Discoloration



Unstable

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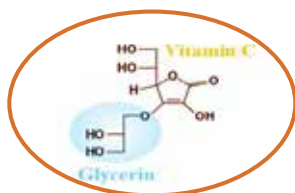


No change



Stable

FEATURES



- **High stability:** Stability in a wide range of formulations.
- **Anti-aging:** Multiple approaches including anti-oxidant effect.
- **Blue light protection**
- **Cost benefit:** Reasonable price of product.



APPLICATIONS

- **Vitamin C rich serum:** Achieved by high stability & reasonable price
- **Skin creams/serums:** Emulsion/ gel type formulae



Western Commercial Corporation

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BRAND UPDATES

The Futuristic Blend of Beauty & Tech

Explore Cosmetic Ingredients In Your Hands

The rise in artificial intelligence and mobile technology has made it possible to have information available right in the palm of your hand.

Mobile technologies have revolutionized how we search for, try on, and shop for products and services these days. The use of mobile apps to engage consumers, introduce products, and enhance the shopping experience has gained traction with different brands. We thought about it and came up with the idea of a mobile application in the name of 'Chemical Brothers – Personal Care' that actually solves this problem for aspiring beauty brand owners, research scientists and R & D formulators. The app not only filters out your specific search, it also fulfils any formulation related requirements for any cosmetic brand owners who look to launch their brand. The extensive selection options are based upon various aspects such as pH, temperature, aesthetics, activity, compliance, etc, making selection of the right ingredients easy for your personal care and cosmetics formulation needs.

Speaking about this innovation, Shail Vinayak, CEO of Nano Tech Chemical Brothers says "We believe that this is the first time that someone has come up with an idea of keeping customers informed about cosmetic ingredients via means of a mobile phone. This mobile application solution has a bright future in terms of gathering information and putting it on a single platform and offering a 360 deg. solution for their cosmetic raw materials selection process".

You can easily download Chemical Brothers Personal Care App from the App Store & Google Play store and browse through the ingredients in the palm of your hand.



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3. 6X Effective than Hyaluronic acid- Pholitect- Natural polymer polysaccharide derived from a cytoprotective substance secreted by Mushrooms. Makes the skin feel smooth and moistened without sticking to it!!

Gattefossé obtains the ERI 360° label for 3 cosmetic ingredients

As part of its continuous progress and ambitious CSR approach, Gattefossé has obtained the ERI 360° label for three of its major cosmetic ingredients.



The ERI 360° label, developed by Innov'Alliance and co-created in 2018 by cosmetics industry players including Gattefossé, allows for the assessment of a product's entire life cycle, from its conception to its market launch.

The 3 levels of certification: bronze, silver and gold based on scores. Since its creation, 30 ingredients have been labelled ERI 360°, with only 2 obtaining the gold label, proving the high standards required for this certification.

Gattefossé prioritises raw material sustainability and strives to ensure they come from reliable, identifiable, and renewable sources through rigorous tracing of their origins. Using the most environmentally friendly and energy-efficient extraction method it obtains ingredients of required activity.

Gattefossé's labelled ingredients with the ERI 360° label include:

Gatuline® Link'n Lift, silver label. An anti-ageing active ingredient obtained from the horse chestnut flower by the innovative NaDES technology, it targets wrinkles around the eyes.

Gatuline® Renew, silver label. A natural extract of handpicked Japanese cedar buds, this active ingredient stimulates skin renewal making it visibly more hydrated, softer, smoother.

EnergiNius®, bronze label. Obtained from the roots of the Indian Ginseng plant, this ingredient is certified organic and obtained using NaDES technology. It protects skin cells from artificial visible light emitted by screens.

Delfin launches new Point of Sale (POS) Skin Measurement Instrument

Delfin STAR is a point of sale (POS) consumer skin analysis and skin care product recommendations system created for marketing purposes of skin care products. The system gives consumers an instant insight to their skin condition and allows salespersons to discover product recommendations for customers in-store. The system consists of STAR Device, STAR Counselling App (tablet) and PC-based STAR Product Manager.



STAR Device has a 4-inch LCD touch screen with Android user interface. The device utilizes electrical and skin image-based technology to analyze multiple skin parameters including moisture, pigmentation, pore cleanliness, pore size, sebum, roughness, and skin texture. Results are analyzed within seconds and displayed in an easily understandable way. Detailed skin images reveal the skin condition and helps in assessing suitable skin care. Tablet-based STAR Counselling App is used to introduce individual skin care product recommendations to consumers. For more information in this regard, you may write to info@envisbesolutions.com



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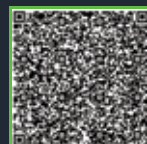
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Robertet: Naturally Creative since 1850



Robertet, a natural partner of fragrances, flavours and health and beauty products integrates all stages of the creative process to bring the world sustainable, organic, raw materials. From seed to harvest, transformation, extraction, refinement and finally release: Robertet is an innovative and responsible world leader.

Robertet's global vision to expand and explore the markets with high potential laid a foundation for Robertet India 60 years ago. The company since then has been well known in India for Natural Raw materials. In keeping with the concept of providing a holistic support to its customers, Robertet India has a full-fledged Sales and Marketing office, equipped Creation, Application Lab and a Production and Manufacturing facility in and around Mumbai.

Our Specialisation: Robertet's creative department maps latest fragrance trends through survey's and analyses based on Consumer lifestyle, Olfactive trends and Regional preferences. National and International market products are studied based on which concepts are created and presented to our clients as per their requirement. This on-going process has helped us to establish a fragrance library of more than 2000 fragrances for various applications. Robertet has expertise across many Fragrance and Personal care categories.



Gattefossé receives an Innovation Award for Solastemis™

Three years since the previous in-cosmetics Global in Paris, Gattefossé has won yesterday the best ingredient award for cosmetic actives for its new launch Solastemis™. The

achievement of several years of research by our experts in sourcing of natural products, plant chemistry, cell biology and clinical evaluation.

Solastemis™ is a powerful active ingredient that protects the skin against UV ageing and responds to the growing needs of consumers concerned about the health of their skin. It acts at the heart of the epidermis machinery, by protecting the DNA of keratinocytes from lesions induced by UVA and by™ features a truly natural composition. Active molecules are extracted from *Sechium edule* (also known as chayote or christophene), a fruit cultivated and manually harvested following zero-waste principles, in La Réunion island.

"This is thrilling news; we are delighted to win this award. Solastemis™ is the product of several years of research and collaboration between Gattefossé researchers, the French Civil Hospitals (HCL) of Lyon, Grenoble University, and the Alternative Energies and Atomic Energy Commission (CEA). It is a very complete active that fights photoageing, notably by protecting our cell DNA and stem cells. We're proud of our teams who have worked so hard on this ingredient and thank the in-cosmetics jury for their decision!" said Paula LENNON Group Director Personal Care.

For more information please visit www.gattefossé.com

Maxima Solutions: Beautifying with Alchemy

Alchemy is the seemingly magical process of transformation, the transformation of the aha experience and the elements of nature into beautifying serums, creams, shimmers and emulsions. At Maxima Solutions, we are alchemy!

Our alchemists are ever ready to fire-up a crucible, our scientists can whip-up private label and contract manufactured formulas that are divine – for the avant garde, bespoke concoctions are our forte. Inspired by a higher calling? Our alchemists can create vegan*, halal* and gender-neutral beautifying and cleansing products. Our 2 labs tirelessly innovate and iterate upon the standards.

Our alchemist philosophy facilitates the novice, the maverick, the mogul and everything in between. And with over 35 years in the field, we have become the benchmark of alchemy.



Touching Everyday Aspects Of Human life

Vimal Lifesciences, a member of Vimal Group, is a leading channel partner for some of the top global names of the chemical industry, including Lanxess, Dow Chemicals, BASF, Dai-Ichi, Angus Chemicals, Arkema Group, The Innovation Company etc. to name a few.

'Touching everyday aspects of human life™', Vimal LifeSciences has been carefully developing its portfolio of chemicals & technologies related to Personal Care, Home Care, Flavor & Fragrance, Pharmaceutical, Derma-Cosmetics, Food and water-treatment.

The company specializes in offering "Total Solutions" through the dedicated Technical Service & Innovation Centre (TSIC) for Home Care, Personal Care and cosmeceutical industries, customers are presented with innovative concepts, formulations and unparalleled technical support.

The company holds pride in maintaining long lasting relationship with customers as it maintains relentless focus on highest EHS standards and compliance with laws & regulation. The company holds close collaboration, high level of communication & transparency and ability to fulfil customers' requirements with highest degree of efficiency and reliability as the fundamental measures of its success.

From a futuristic standpoint, the company continues to strive harder to serve its customers with newer ideas, concepts and a relatively broader perspective to inventiveness.

EVENTS CALENDAR 2022

May 2022

6-8

Panacea 2022- 10th Natural Products Expo India
University of Agricultural Sciences, (GKVK) Bengaluru
website: www.naturalproductsexpoindia.com

11-12

Cosmetics & Personal Care Products
New York City, USA
Website: www.americanconference.com/cosmetics-personal-care-products/

16-18

Beauty World Japan
Tokyo, Japan
website: www.beautyworld-japan.jp.messefrankfurt.com

16-19

Sustainable Cosmetics Summit
Virtual edition, USA
Website: www.sustainablecosmeticssummit.com

26-28

CosmoBeauty Seoul
COEX Hall A, Seoul, S. Korea
website: www.cosmobeauteyseo.com

June 2022

1-2

Cosmetic Business
Munich, Germany
Website: tradefair.cosmetic-business.com/en/

11-12

Cosmetica Hannover 2022
Deutsche Messe AG Hall 2, Hannover, Germany
website: www.cosmetica.de

15-16

Luxepack New York
Javits Centre, Hall 3, New York
website: www.luxepacknewyork.com

15-17

BeautyEurasia 2022
Istanbul Expo Centre, Istanbul, Turkey
website: www.beauty-istanbul.com

July 2022

10-12

International Convention and Exhibition on Home and Personal Care Products
Goa, India
Website: www.isdcconference.org/

10-13

Advances in Cosmetic Formulation Design
Durham, USA
Website: www.engconf.us/conferences/

18-20

PCHi Global Personal Care Products and Cosmetics Industry Leaders Summit
Shanghai, China
Website: www.pchi-china.com/en

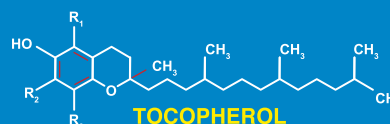
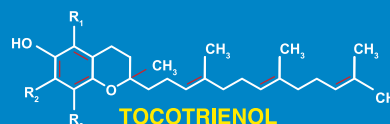


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- Pigmentation reduction

... to the FORMULATION.

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- Enhances color intensity
- Protects product color

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Before



After

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global**



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Best Ingredient
Award 2022

BRONZE WINNER

People make our name