



BOTANICAL TECHNOLOGIES CORPORATION

“Elevating Beauty with Botanicals and Technology”



Botanical Technologies Corporation

The Botanical Boom and Market Expansion

The global botanicals market is rapidly proliferating and is expected to rapidly grow at a 48% increase within 10 years. In 2022 the Global Botanicals Market was valued at \$107B and is forecasted to escalate at a CAGR rate of 7% to reach \$207B by 2032. Therefore, botanical ingredients are poised to become a very serious contender in personal care products. The groundswell consumer demand for healthy, clean beauty products has permanently created a lasting and overarching “Botanical Beauty Movement”.



Growth Drivers for Botanical Ingredients

Driving this growing demand are consumers who are rejecting toxic, unsafe, and ill-perceived ingredients. The Botanical Beauty Movement has been embracing clean, natural and body/mind wellness alternatives for several decades now. Consumer preference for plant-based, personal care products infused with eco-conscious, botanical, and naturally derived ingredients has been robustly demonstrated via social media and consumer product purchases.

Plant-Based Wonders – The Exceptional Benefits of Botanical Extracts

The concept of plant-based botanicals is familiar to consumers, but the true power of these ingredients isn't always top of mind. However, their strength does come into focus when we consider their profound benefits:

- Nutrient-rich.
- Anti-inflammatory relief to soothe skin and scalp.
- Natural and naturally derived.
- Potent antioxidant power to combat free radicals.
- Powerful hydration; aid in moisture uptake and retention.
- Targeted skin and hair benefits to reduce the signs of aging.
- Promote a healthy complexion and lustrous hair.
- Promote hair and skin elasticity.
- Prevent hair styling and environmental damage.
- Well tolerated; low-risk side effects.
- Marketing story enhancers.



Introducing Botanical Technologies Corporation

To meet the growing botanical market demand, Botanical Technologies Corporation is proud to introduce our *NEW* Botanical Extract Innovation - a fusion of nature and biotechnology. As part of this initiative, we provide proprietary, custom development services for personal care botanical complexes and blends.

Botanicals – The Wonders of Nature

Botanicals, also referred to as plant-based ingredients, are derived from various parts of plant organs such as leaves, stems, flowers, roots, and fruits. Preceding generations have historically harnessed the wonders of Mother Nature to combat disease and maintain overall health. Viewed as a proactive approach to well-being, botanical technologies leverage the inherent power of plants to promote holistic vitality, as well as health and wellness for the skin and hair.

We have incorporated botanical extracts in our proprietary complexes at efficacious levels. The phytochemicals derived from the single extracts and complexes can exponentially elevate the functionality and efficacy of a formula. They help to further nourish, protect, repair, and rejuvenate the health of the skin, hair, and scalp.



Botanical Garden – sanctuaries of beauty, where the vibrant botanicals stand as ambassadors of the Earth's captivating palette. Each bloom is a testament to the awe-inspiring artistry of nature, an ever-changing masterpiece that beckons admirers to pause, reflect, and revel in the boundless charm of the natural world – a living ode to the diversity found in nature's grand design.

Create your own tapestry of botanical wonder. Contact us today!

Modern Research, Timeless Benefits of Botanical Technologies

The survival of plant botanicals involves a complex interplay of physiological, biochemical, and ecological processes that enable them to thrive in diverse environments.

As stated by analytical chemist, Joy Roederer, PhD, *“Photosynthesis enables botanicals to convert sunlight into energy-rich glucose, while their root systems absorb water and soil nutrients to self-nourish and hydrate. Specific adaptations, like drought resistance or wetland affinity aid in their survival, as well. Various reproductive methods ensure the continuity of their species, while their abundant antioxidant content protects against environmental aggressors. In addition, biological defense mechanisms, like toxins and thorns, also protect against threats.”*

Dr. Joy Roederer – Senior Vice President of Technology & Business Development, Integrity Ingredients Corporation.

Fight Premature Aging: Plant extracts are rich in antioxidants that help to optimize responses to environmental stimuli to defend human skin against harmful exposure. Some botanicals facilitate collagen synthesis while others inhibit skin degrading enzymes, thus promoting anti-aging effects for more supple, youthful looking skin.

Prevent Inflammation: Many of our botanical carrier oils contain phospholipids, and some exhibit anti-inflammatory properties, while others help to maintain skin barrier homeostasis. A healthy epidermis is crucial for warding off harmful microbes and maintaining a balanced pH.

Promote Hydration: Botanical carrier oils also create a protective skin barrier and help cells to retain essential water. A balanced skin barrier enhances access to components contributing to the skin's Natural Moisturizing Factor (NMF).



From land ...



... to innovation lab

Botanical Technologies Corporation Portfolio

Contact us today to develop your proprietary Botanical Technology!

BotaniCOMPLEX™ – Custom Extract Complexes and Blends

Today, there is a consumer segment that has embraced the resurgence of ancient beauty rituals and treatments. As a company, we have observed this as a developing trend, where ancient, long held beauty regimens are now being significantly enhanced by pairing them with different botanicals and new technologies. These unique complexes not only nourish and strengthen the skin, hair, and scalp, but also provide a relaxing and therapeutic wellness experience for the mind.

At IIC we've explored some unique and interesting botanical extract blends and their applications – below is a sneak peek at our latest innovation . . .

BTC Restoring Tranquility Complex BTC-0022-WG50	Calming Lavender, Rosemary, Coffee, Chamomile
BTC Uplifting Equilibrium Blend BTC-0029-W	Balancing Rosewater, Hibiscus, Geranium
BTC Renewal Complex BTC-0037-OAHI	Nourishing Argan, Ahiflower, Vetiver
BTC-Rejuvenating Ginseng Antioxidant Complex- BTC-0066-WG50	Rejuvenating Ginseng, Green Tea, Peppermint
BTC Serene Fusion BTC-0047-OCOC	Harmonizing Red Sandalwood, Ylang-Ylang, Coconut
BTC Purify Elixir Blend BTC-0074-WG50	Detoxifying Charcoal, Rosemary, Eucalyptus, Coffee



BotaniPOWDER™ – Botanical Powders

Various botanical powders provide multifaceted benefits for skin and haircare. Derived from plants, these powders provide hydration and gentle exfoliation to remove dead skin cells to promote a smoother, more hydrated complexion. They often possess absorbent properties, to help control excess oil and reduce shine. For hair care, botanical powders help to maintain a clean scalp and absorb excess oils and impurities, while others help to volumize and add texture to the hair. Rich in nutrients, these botanical powders holistically nourish both hair and skin to enhance their natural beauty and support their overall health.



Blue Spirulina Powder	Nutrient rich alga; antioxidant, anti-inflammatory, hydration.
Butterfly Pea Flower Powder	Also known as Blue Matcha; rich in antioxidants, helps to promote collagen production and mitigate inflammation.
Chamomile Flowers Powder	Skin soothing, anti-inflammatory; calms skin irritations and promotes healthier hair and scalp.
Coconut Water Freeze Dried Powder	Helps to hydrate skin and combat dryness. Rich in electrolytes; nourishes skin and promotes hair moisture and overall health.
Coconut Milk Powder	Moisturizes and hydrates skin. Packed with nutrients, it nourishes the skin and promotes hair softness and shine.
Dragon Fruit Powder	Rich in vitamins and antioxidants, it nourishes skin and hair. Provides skin brightening benefits for a radiant complexion.
Elderberry Powder	Packed with antioxidants, vitamins, and flavonoids, it protects and provides skin radiance and hair health and strength.
Goji Juice Powder	Provides skin nourishment and antioxidant benefits. Rich in vitamins and minerals to help enhance skin health and hair vitality.
Lotus Flower Powder	Rich in antioxidants, flavonoids, fatty acids, proteins, vitamins, minerals. Visually minimizes pores; soothes, conditions, hydrates skin. Natural alpha-hydroxy acids exfoliate, and proteins help to firm and tighten.

BotaniPURÉE – Fresh Fruit & Vegetable Purées

Fresh fruit and vegetable purées are rich in vitamins, minerals, and antioxidants. Applied topically, they provide essential nutrients that hydrate, nourish, rejuvenate the skin, and promote skin radiance. The natural enzymes in various pureés provide gentle exfoliation to remove dead skin cells. For hair, the hydrating properties of purées help to add luster while vitamins and minerals help to enhance shine, strengthen hair, and prevent damage.

For a fresh, novel approach for your next formulating projects, fresh fruit and vegetable purées serve as wholesome ingredients that support the health and vitality of both skin and hair.



A few of our made-fresh-to-order, nutrient rich purées . . .

Apple Orchard Nectar	Provides skin hydration and radiance; vitamins and antioxidants promote hair shine and strength.
Bright Beet Root Purée	Rich in iron, folate, and vitamin C, to promote healthy hair growth. Contains Betalains to help increase blood flow for brighter, more even toned skin.
Orange Sun-kissed Essence	Hydrates skin and provides a boost of Vitamin C to help promote collagen synthesis. Nutrient rich; nurtures healthy hair; enhancing strength and shine.
Pumpkin Harvest Concentrate	Provides skin-friendly nutrients, Vitamins A and C to promote a healthy complexion. Enriching properties contribute to improved hair texture and strength.
Tropical Mango Delight	A rich source of Vitamins A and C that also hydrates skin. For hair, its nutrients enhance shine and promoting overall hair vitality.



BotaniJUICE™ – Fresh Juice Concentrates and Elixirs

Fresh fruit and vegetable juices are packed with vitamins and minerals that act as natural elixirs for vibrant skin and lustrous hair. The antioxidant properties of fresh juice concentrates combat free radicals to reduce skin and hair damage and protect against the signs of aging. Essential nutrients promote elasticity and radiance while their abundant water content hydrates the skin to maintain a healthy, youthful appearance. For hair care, the vitamins and minerals nourish the scalp, encourage growth, and enhance overall healthy hair.

Blueberry Blast	Rich in anthocyanins, quercetin, and vitamin C, potent antioxidants for skin and hair vitality. Vitamin C and manganese support collagen synthesis and elasticity, while Vitamin K visibly reduces the look of dark circles.
Pomegranate Burst	Rich in polyphenols and anthocyanins provide antioxidant skin protection. Vitamin C promotes collagen synthesis, Vitamin K reduces the look of dark circles and folate supports cellular division. Potassium hydrates the skin and promotes hair vitality. Punicic Acid, an omega-5 fatty acid, hydrates, soothes skin and scalp, and supports cell regeneration.
Dark Sweet Cherry Delight	Rich in phytonutrients and antioxidants anthocyanins and quercetin to protect skin from oxidative stress. Potassium maintains hydration and Vitamin C promotes collagen synthesis, skin elasticity and contributes to hair strength and vitality.
Strawberry Fields Bliss	High in Vitamin C aids collagen synthesis, skin elasticity, and hair strength. Rich in antioxidants; anthocyanins, and quercetin help protect skin. Ellagic Acid offers anti-inflammatory benefits. Folate supports cell division while Vitamin A aids in cell renewal. Silica promotes hair strength and shine.



Blueberry Blast



Dark Sweet Cherry



Orange Blossoms & Fruit



Strawberry Fields

BotaniSELECT™ – Single Botanical Extracts

As noted, there are many benefits of botanical extracts and oils that offer targeted benefits for skin and hair. With their unique and very powerful natural properties, individual botanical extracts and oils serve as concentrated, holistic solutions to address specific hair and skin concerns and to enhance their overall health and beauty.

A partial list of the many liquid extracts from our BotaniSELECT™ Portfolio –

Aloe Vera Liquid Extract	Soothing and hydrating; helps to mitigate sunburn, reduce inflammation, and promote wound healing.
Amla Liquid Extract (Indian Gooseberry)	Rich in Vitamin C, helps to strengthen hair and skin, promotes hair growth, and helps prevent premature graying.
Blueberry Liquid Extract	Antioxidant protection, anti-inflammatory effects for skin, while nutrients promote hair growth, strength, and scalp health.
Chamomile Liquid Extract	Anti-inflammatory, calming, and suitable for sensitive skin. Helps to reduce redness and irritation.
Calendula Liquid Extract	Anti-inflammatory and antimicrobial, good for soothing irritated or sensitive skin.
Cherry Blossom Liquid Extract	Provides antioxidant protection for skin and promotes a radiant complexion. Provides hair strength and shine, enhancing overall hair health.
Dragon Fruit Liquid Extract	Rich in vitamins and antioxidants, it nourishes skin and hair. Provides skin brightening benefits for a radiant complexion.
Elderberry Liquid Extract	Packed with antioxidants, vitamins, and flavonoids, it protects and provides skin radiance and hair health and strength.
Ginger Root Liquid Extract	Helps to stimulate microcirculation to support hair growth. Anti-inflammatory and antioxidants protect skin and soothe irritation.
Ginseng Liquid Extract	Strengthens hair, stimulates hair follicles, and helps to prevent hair loss.
Lavender Liquid Extract	Calms the skin, may help with dandruff, and contributes to overall hair and skin health.
Licorice Root Liquid Extract	Anti-inflammatory and brightening, may help with hyperpigmentation and dark spots.
Lotus Flower Liquid Extract	Rich in antioxidants, flavonoids, fatty acids, proteins, vitamins, minerals. Visually minimizes pores; soothes, conditions, and hydrates the skin. Natural alpha-hydroxy acids exfoliate, and proteins help to firm and tighten.
Matcha Green Tea Liquid Extract	Rich in antioxidants for anti-aging properties, helps to reduce inflammation and protect against environmental damage.
Hibiscus Liquid Extract	Conditions hair, stimulates hair growth, and helps to control dandruff.
Turmeric Liquid Extract	Anti-inflammatory and antioxidant, may help with acne, eczema, and psoriasis.



Some of our more exotic carrier oils for custom, proprietary extract development –

Passionflower Blossom



Argan Oil	Nourishes and moisturizes hair, adds shine, and helps control frizz.
Bhringraj Oil	Helps to promote hair growth, reduce hair fall out, and maintain healthy scalp.
Caryodendron Seed Oil	Essential fatty acids, Vitamin E, phytosterols, polyphenols, and triterpenoids, provide moisturizing, antioxidant, and anti-inflammatory benefits for skin and hair.
Coconut Oil	Deeply moisturizes the hair, helps to reduce protein loss, and improves overall hair health.
Coffee Oil Refined	Rich in antioxidants, including chlorogenic acid. Provides anti-inflammatory benefits and helps protect skin from oxidative stress.
French Plum Oil	Rich in antioxidants like chlorogenic acid, essential fatty acids, and Vitamin E. Provides moisturizing, anti-inflammatory, and skin-protective benefits.
Joboba Oil	Suitable for all skin types: Moisturizes and helps regulate sebum production.
MagNUT Sense Oil	Rich in fatty acids, antioxidants, and vitamin E. Provides moisturization, anti-inflammatory benefits, and skin nourishment for a healthy complexion.
Passion Fruit Oil (Maracuja Blend)	Essential fatty acids, Vitamins A and C, antioxidants, and minerals, provide moisturization, anti-aging, and skin-nourishing benefits.
Seabuckthorn Fruit Oil	Abundant in Vitamins C and E, essential fatty acids, carotenoids, and antioxidants to provide nourishment, hydration, and skin-renewal benefits.



Seabuckthorn Fruit Oil



The Beauty of Nature Harnessed by Technology





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“Elevating Beauty with Botanicals and Technology”

Botanical Technology Corporation is ready to custom create a unique botanical complex for you – contact us today!

Key advantage to partnering with us? – Unique, proprietary botanical technologies.

We believe that embracing plant-based ingredients helps to enhance physiological processes, fostering health, balance, and connection to the natural rhythm of nature. Backed by research, these botanical wonders are seamlessly integrated into modern body and skincare products, offering a natural and effective solution for cosmetic chemists. Elevate your formulations with a Botanical Technologies edge.



Contact us!

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