



Company Profile

2026
BioSpectrum, Inc.



A Research-Driven Innovation Company

2000

Year Established

150+

Domestic and International Patents

165+

Published Research Papers

BioSpectrum discovers valuable natural ingredients through its proprietary technologies.

Guided by our mission to protect the beauty of nature and humanity, we continuously invest in research and innovation to develop advanced cosmetic ingredients.

Our team includes highly qualified researchers with master's and doctoral degrees across a wide range of scientific disciplines. By identifying diverse bioactive materials from natural sources, we transform scientific discoveries into commercially viable ingredients.

BioSpectrum manages the entire process—from research and development to manufacturing—and supplies its proprietary bioactive ingredients to cosmetic manufacturers for use in finished products.



A Skin Science Company Discovering Innovative Biomaterials from Nature

BioSpectrum



BioSpectrum was established in 2000 as a company specializing in skin and pharmaceutical science, with the goal of improving skin health and enhancing quality of life.

As a research-driven skin science company, we are continuously committed to discovering innovative ingredients with outstanding benefits for skin health and beauty from naturally derived materials.

Supported by advanced technologies and highly qualified researchers, BioSpectrum focuses on developing highly effective, premium-quality natural ingredients. Our ingredients have earned broad recognition not only in Korea but also in international markets.

We will continue to strengthen the global presence of Korean cosmetic science and contribute to enhancing the reputation of Korea in the global cosmetics industry.

Company History

2026.05

Korean Society of Cosmetic Scientists, 2026 Spring Conference
Outstanding Poster Presentation Award

2026.04

Selected by the Ministry of SMEs and Startups for 'Global Strong SMEs
1,000+

2026.03

Participation in the PCHi Expo in Hangzhou, China

2025.11

Participating in Cosmetics Asia Bangkok 2025

2025.07

Participation in Cosmetics Korea 2025

2024.05

Selected as a 'Small Giant Company' by the Ministry of Employment and
Labor

2024.02

Obtained Inno-Biz certification from the Ministry of SMEs and Startups

2023.10

Winner of the 'Consumer Brand Award' organized by the Jeju Bio
Association

2022.05

Korean Society of Cosmetic Scientists, 2022 Spring Conference
Outstanding Poster Award

2022.04

RSPO Certification

2022.03

Jeju NPP Center Acquires EFfCI-GMP Certification

Location



BCP Center in Osan

- BCP(Bioactive Compound Production)
- Plant Tissue Research & Development and Encapsulation Facilities
- EFfCI-GMP Certified, the European GMP standard for cosmetic ingredients
- ISO 9001, ISO 14001, and ISO 45001 Certified



Fermentation Center in Osan

- Research focused on Fermentation



Head Office in Yongin

- Life Science Research Institute
- Product Development Research Institute
- Quality Assurance
- Marketing & Sales



NPP Center in Jeju

- NPP(Natural Product Production)
- Discovery of Natural Materials and Commercialization of Novel Biomaterials
- EFfCI-GMP Certified, the European GMP standard for cosmetic ingredients
- ISO 9001 and ISO 14001 Certified

Headquarters



Marketing Division

Management Support
Department

Life Science Research Institute



Skin functional

- Anti-aging
- Whitening
- UV protection
- Skin barrier improvement
- Hair loss relief
- Stretch mark improvement

Skin diseases

- Atopy
- Whitening
- Acne
- Flushing
- Seborrheic dermatitis

Specialized fields

- Biological Clock
- Slimming
- Stem Cells
- Skin Sensory
- Exercise Mimetics

Product Development Research Institute



Improved
availability/stability

Research on
material properties

Material
development

Formulation
Research

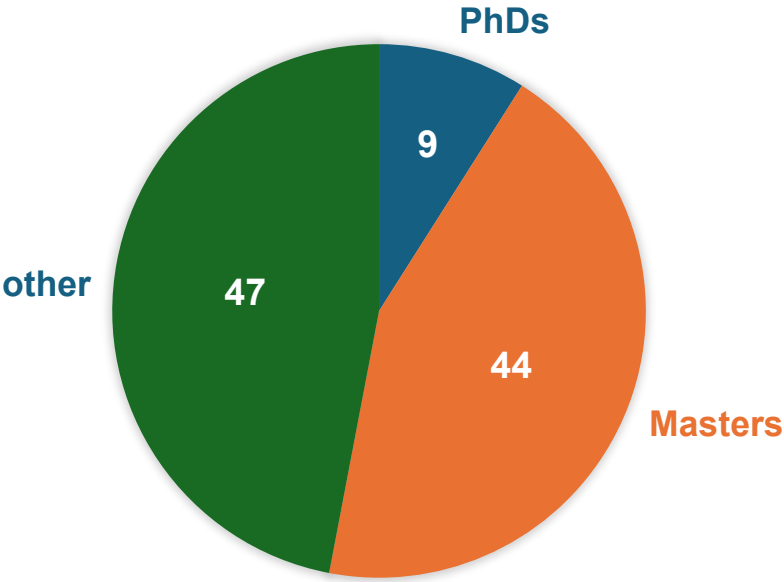
R&D people: More than 50 people(MS and Ph.D)



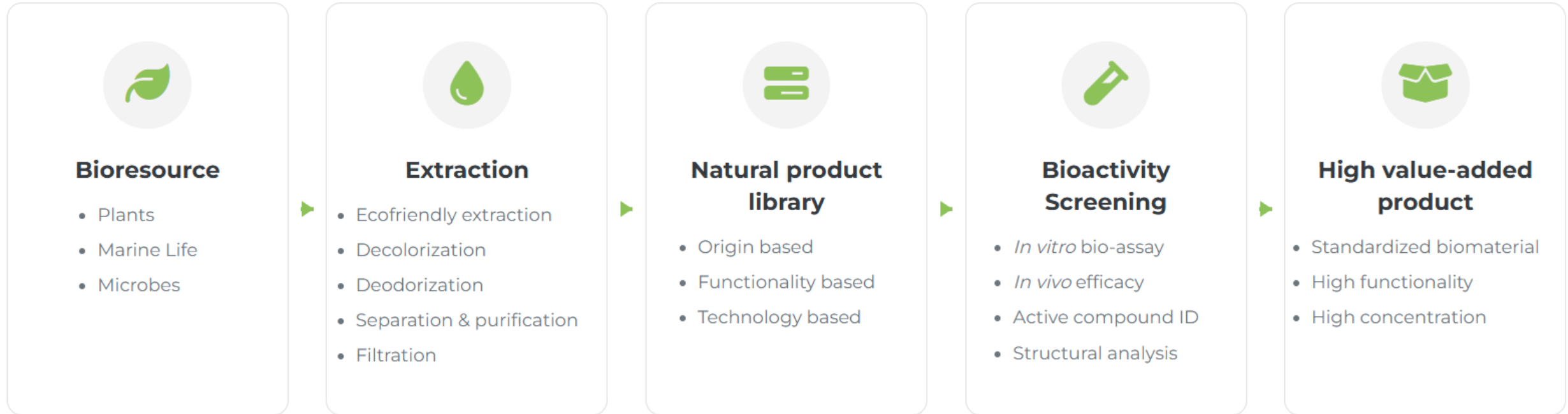
“Securing a competitive edge
with **50+ MS & PhD researchers.**”

- Dr. Deok Hoon Park (CEO) : Whole management
- Dr. Eunae Cho (Director of R&D), PhD in Chemistry: Product development
- Dr. Eun Sun Jung (Director of R&D) , PhD in Biotechnology: Discovery of bioactive materials
- Seung Ah Kim (Center Director): Director of Jeju NPP Center
- Dr. Yong-Taek Jung (Center Director): Director of Osan BCP Center

Biospectrum Researcher:
Total: 100 people
PhDs: 9
Masters: 44



TECHNOLOGY : Natural product application technology



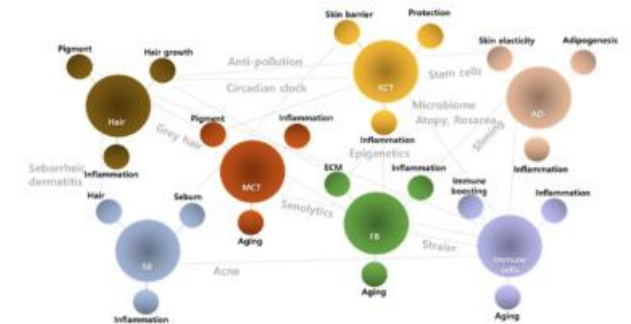
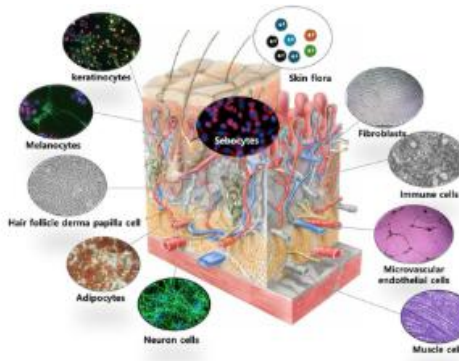
Biospectrum develops bio-materials utilizing substances derived from natural sources such as plants, marine organisms, and microorganisms, enabling diverse industrial applications including cosmetics, pharmaceuticals, and health functional foods.



Infinite expansion system of evaluation methods

Establish various systems to examine interactions between skin cells
Explore materials capable of demonstrating efficacy in human models and study mechanisms of action

- Established over 130 in vitro efficacy evaluation methods
- Establishing various interaction models tailored to efficacy targets



From skin materials to pharmaceutical materials

Biospectrum is expanding its scope beyond functional skin materials into the fields of food, herbal medicine, and pharmaceuticals.

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117 SCI(E) level Papers	Asiaticoside induces Human Collagen I Synthesis through TGFbeta receptor I kinase (TbRI kinase) -independent Smad signaling et al.
49 Non SCI(E) Papers	Effect of Kojic acid, Arbutin and Vitamin C on cell viability and melanin synthesis in B16BL6 cells et al.

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Factory 1: Jeju NPP Center



- **Building size:** 650 square meters
- **Land:** 1000 square meters
- **Location:** In Jeju Advanced Science Industry Park
(near Jeju National University)
- **Main Product:** Extracts (for sending miscalculations) Semi-finish product/ Jeju certified ingredients, internationally certified organic ingredients
- **Extraction:** 5 tons per day

- GMP Certification
- EFfCI-GMP Certification
- COSMOS Certification



Factory 2: Osan BCP Center



- **Building size:** 900 square meters
- **Land:** 1000 square meters
- **Location:** In Osan Gajang Industrial Complex
- **Main Products:** Fermented Ingredients, General Ingredients
 - Natural extracts: 30 tons per day
 - Fermentation: 3 tons of culture per batch
- **International Production Control System:** EFfCI 84 in global, only 4 in Korea (as 2015)



Factory 3: Osan Fermentation Center



- **Building size:** 345 m²
- **Location:** In Osan Segyo-dong Knowledge Industry Complex
- **Primary product:** fermented materials
- **Production:** Can produce 8 tons per month

- **Featured Research**

- Isolation of Korean wild microbial strains
- Develop and produce fermented products
- Supplying mass production of customized fermentation-related products

- Our products: >50
- Tailormade Products: ~20



Clariant investments

Clariant, a global leader in specialty chemicals, entered into a strategic partnership agreement with BioSpectrum, Inc.

Leveraging its global sales and innovation network, Clariant markets BioSpectrum's portfolio of active ingredients worldwide, excluding South Korea.



Product Application Cases : Chanel (Red Camellia Line)



- Anti-aging substances derived from **Jeju camellia flowers (RedSnow)** are being supplied to Chanel as raw materials.
- Sourced as a key ingredient in Chanel's new skincare products

N°1 DE CHANEL, Chanel's first holistic beauty line

SK-II
LXP Series

Ultimate Transformation
to Crystal Clear Skin in 3 days¹

SK-II
ULTIMATE PERFECTING EYE CREAM

SK-II
LXP
ULTIMATE PERFECTING SERUM

SK-II
LXP
ULTIMATE PERFECTING ESSENCE

SK-II
LXP
ULTIMATE PERFECTING CREAM

1. Study regimen: Essence, Eye, Serum, Cream
Study conducted by P&G, among 30 females who aged 34-49, use April, 2012 Japan. Consumers use LXP ultimate perfecting Essence, LXP ultimate perfecting Serum and LXP ultimate perfecting cream for 3 days.
2. Study results of skin measurement on skin hydration, texture, and wrinkle, conducted by P&G, among 30 females who aged 37-49, in Jan-Feb, 2012 Japan. Consumers use LXP ultimate perfecting eye cream for 3 days.

- A new raw material made from **yellow silkworm cocoons grown** in a specific region of Japan is adopted and used as the main ingredient.



Specialized in bio-healthcare

A small but strong company

A customer service-focused company based on bio R&D capabilities

Expanding into various businesses based on biotechnology

Thank you.

Specialty cosmetic acts from GREEN nature
World leading GREEN manufacturing and technology
Heartfelt GREEN satisfaction to customers

