DanjoungBio is committed to natural materials research. Through this, we hope to share the benefits of nature and give back to the community.
DanjoungBio
We obtain special products from nature

DanjoungBio Co., Ltd. is a natural ingredient specialized company. We develop and produce raw materials of cosmetic, food, and medicine from natural ingredients that can be seen around us. With our technology, passion, curiosity, and enthusiasm, we strictly select the best natural substances and try to keep the vitality of nature through eco-friendly and systematic management. Based on these, we continue to be a company that provides honest products and incomparable values to our customers.

Specializing in natural materials, DanjoungBio.

CEO / Ph.D. 26 81 8

2009
11 - DanjoungBio Established in Wonju, Korea

2010
09 - Venture Company Confirmation – No. 20100106953 (authentication agency: the Korea Credit Guarantee Fund)
10 - Confirmed as the ‘Certification of R&D Center’ by Korea Industrial Technology Association(KOITA) (No. 201012656)

2011
11 - Awarded the Minister of Agriculture, Forestry and Fisheries Prize

2012
01 - Acquired the ISO 9001/ISO 14001 Certification

2013
07 - Certification of Gangwon Promising Enterprise by SMBA
12 - Awarded the Prime Minister prize

2014
06 - Awarded the Gangwon SMBA Administrator prize
09 - Completion of New Head Office & Factory in Wonju, Korea

2015
06 - Awarded the Letter of Commendation of Ministry for Ministry of Employment and Labor
11 - Designated as the Promising Export Firm (Gangwon SMBA)

2016
03 - Selected as a IP Star Company(Patent Office)
05 - Awarded the Letter of Commendation from the governor of Gangwon Province and SMBA
05 - Awarded a Gangwondo Governor’s Commendation
06 - Investment attraction of the Technology Guaranteed Fund
06 - Won the Grand Prize of Korea Excellent Company (Bio Division)
11 - Acquisition of IP management certificate (Patent Office)

2017
05 - Excellent Korean Enterprise Prize(Bio, Natural Bio), Two consecutive years
08 - Awarded the Economic Leaders of South Korea Prize
11 - Awarded the IP Management Grand Prize
12 - Certification of 12 Family Friendly Company

2018
01 - Freeze Dryer Factory Completed
05 - Awarded as the Best Companies in Korea for 3 consecutive years (Bio category)
10 - Minister Citation, Ministry of Agriculture, Food and Rural Affairs

2019
05 - Wonju City Mayor Citation (Regional Economic Development)
05 - Presidential Citation (National Industrial Development Contribution)

2020
03 - Expansion of natural material factory (Cosmetics, Food Natural Materials, etc.)
11 - EVE VEGAN register in progress

2021
01 - Food Safety Managing Company, HACCP Certified
01 - Good Manufacturing Practices for Cosmetics, ISO 27716 Certified

For human with nature...
DanjoungBio is committed to natural materials research. With our technology, curiosity, and enthusiasm, we strictly select the best natural substances and try to keep the vitality of nature through Eco-friendly and systematic management. Through these, we hope to share the benefits of nature and give back to the community.

**Cosmetic** : The Cosmetic Ingredient Division is a department that researches and develops active ingredients of natural plants.

**Food** : The Health Food Division is a department that researches and develops natural foods to protect people's health.

**Medicines** : The Pharmaceuticals Division is a department that develops effective medicine ingredients by studying natural products that have therapeutic effects on nature.

**Patent & Trademark**

<table>
<thead>
<tr>
<th>Patent No. (Patent and Trademark pending, 50 or more)</th>
</tr>
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<tbody>
<tr>
<td>- 10-1224238 Skinpia 10</td>
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<td>- 10-1287021</td>
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<tr>
<td>- 10-1382137</td>
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<tr>
<td>- 10-1363413 Pure Medi</td>
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<td>- 10-1485896</td>
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<td>- 10-1648148</td>
</tr>
</tbody>
</table>

**Certification**

- Business registration
- Factory registration
- Certificate of venture
- Corporate affiliated research institute
- INNO-BIZ
- Certification of promising small and medium Business
- Certification of promising Export Firm
- IP star Company
- ISO 22716
- HACCP

**Prizes**

- Prize of Ministry for Food, Agriculture, Forestry and Fisheries
- Prize of Prime Minister
- Prize of Gangwon Regional SMBA
- Prize of Ministry for Ministry of Employment and Labor
- 2016 Korea Excellent Firm Grand Prize
- Prize of Governor of Gangwon Province
- Prize of SMBA
- Grand Prize of IP management
- Presidential Citation by National Industrial Development Contribution
Expertise
A world-class specialist in the field of natural materials

Fast Response
- Massive database on natural materials
- Young (20s and 30s) and passionate research teams
- Sophisticated research networks

Professional
- More than 20 years of experience in Cosmetics
- More than 15 years of experience in Natural materials
- Major in Phytochemical and Cosmeceutical (Master and Doctorate Degree)

Networks
- NMR and MASS (GC, HPLC) analyzing lab
- Cell activity testing lab
- Certificate authority of residual pesticides, hazardous materials and heavy metals

Non-Stop Processing from Material to Ingredient
- Self-planting of raw materials
- Established standards and test method for extraction and analysis
- Efficacy and stability evaluation

Competitive Prices
- Cost reduction effects from 20+ years of know-how
- Our own professional production facilities that allows cost reduction
- Enables competitive prices by Self-planting

Confidence and Fidelity
- Accurate substances and Researches
- Passionate research and development
- Dedication to our duties

Process
From the nature to our products

Plants Culture
- More Natural

Natural Products R&D

Extract Technology
- Immersion Ex.
- Low temp. Ex.
- Ultrasonic Ex.
- Microwave Ex.

Production
- Liquid
- Powder
- Liposome & Oils
- Fermentation

Evaluation
- Cosmetic & Food

Paper &Documentation
- Products
Competency

Standardization, Extraction, Evaluation, Fermentation, Processing,
Substance Separation of Natural Products Synchronization of technology

Our Laboratory
Extraction & Fermentation Team

Extraction, Separation and Purification from natural materials

Various Extraction Method

Ultrasonic Extraction
Extraction of active component by the cavitation, capacity 80L

Bath Extraction
20L Water Bath & Mantle

Low Temperature Extraction
Prevention of active ingredient destruction by high temperature

Immersion Extraction
High quality products obtained over the long time

Microwave Extraction
Obtain active ingredients in a short time

Supercritical Extraction
Obtain stable quality products

Extraction from Natural Materials
Effective Extraction and Concentration
High content of active ingredient
Fraction and Purification

Plant Standardization

Extraction

Evaluation

Fermentation

Compound Separation & Analysis

Application

Standardization
Extraction
Effectiveness evaluation
Fermentation
Material separation
Encapsulation

Standardization of raw materials/herbs
Extraction of high active ingredient using ultrasonic wave, microwave and infrared ray
In-vitro, cell culture assay and clinical test, etc.
Biocconversion technology to increase active ingredient contents
Purification of effective compound
Encapsulation technology for easy absorption of active ingredients
**Extraction & Fermentation Team**

**Fermentation with Nature**

Separation of three kinds of lactic acid bacteria belonging to Lactobacillus and fermentation of lactic acid bacteria in the liquid phase. As fermentation of lactic acid bacteria is performed by using a crock which is the traditional method of fermentation, we study the difference in fermentation between general fermentation containers and earthenware. In addition, enzyme fermented products in traditional earthenware are being studied.

**Various Fermentation Microorganism**

- Lactobacillus (Lactic acid bacteria)
- Bifidobacterium (Lactic acid bacteria)
- Saccharomyces (Yeast)
- Aspergillus (fungus)
- Lactococcus (Lactic acid bacteria)
- Galactomyces (Yeast)

1. *Lactobacillus Rhamnosus* VitaP1 (see Fig.1)
2. *Raoutella Planticola* SEcos (see Fig.2)

- Can be selected for the development of functional fermented food and cosmetics compound forms of isoflavones, such as Egal.

**Fig.1**  **Fig.2**

**Analysis of active ingredient**

---

**Evaluation of Efficacy Team**

**Effect : Anti-inflammation, Skin Moisturizing, Skin Whitening, Anti-wrinkle, Anti-heat Aging**

**Anti-Inflammation**

**Normal**

Bacteria, Heredity, Dried skin, Food and Environment.

1st Stage

If the immune reaction happens, rubefaction begins to appear in a weak area of skin. Need action to prevent more rubefaction.

2nd Stage

After 1st stage, over immunoreaction is occurred and horny layer is damaged after rubefaction and water quickens and inflammation generation begins in skin tissue. Which leads to oxidation, cell degranulation and inflammation.

3rd Stage

Secondary skin contamination is occurred by spread phase of allergy and atopic dermatitis. Skin barrier function is destroyed by disappearance of honey layer and diffusion of microbe induced inflammatory reaction. It needs action to prevent secondary skin contamination, skin dry, oxidation and inflammation at these step.

**Skin Moisturizing**

4 ways of skin moisturizing

- **MOIST-AW**
- **MOIST-PW**
- **MOIST-HW**
- **MOIST-SW**
  Aqua Active H
Skin Whitening

Anti-Wrinkle

Anti-Heat Aging

Protection of skin barrier, skin soothing and cooling effect

BAESOME™ using the BAES System

BAES (Bioavailability Enhancement System)

Collecting the natural ingredients BAESOME™ -> non toxicity and Natural ingredients safely delivered to the skin

1. Increase skin permeability
2. Stabilization of unstable substances
3. Pharmaceuticals, cosmetics, widely applied in cosmetics
4. BAESOME™ - Applicable skin

Product Extract

Product

Main Effect

Sub Effect

Acanthopanax Ext.
Açai Berry Ext.
Adzuki Beans Ext.
Astragalus Membranaceus Ext.
Avocado Ext.
Aloe Vera Gel Ext.
Baby Brier Ext.
Betula Platyphyla Japonica Juice
Brown Rice Ext.
Camellia Japonica Flower Ext.
Chaga Mushroom Ext.
Codonopsis Lanceolata Extract
Ecklonia Cava Ext.
Forsythia fruit Ext.
Ginger Ext.
Glasswort Ext.
Honeysuckle Flower Ext.
Hops Ext.
Houttuynia Cordata Ext.
Jujube Ext.
Kawakusa Ext.
Lemon Balm Ext.
Lycium Chinense Fruit Ext.
Morus Alba Bark Ext.
Morus Alba Fruit Ext.
Peach Ext.
Phellodendron Amurense Bark Ext.
Pinus densiflora Ext.
Umus Davidiiana Ext.
Unaria Pinatifida Ext.
Vitamin C Ext.
Watermelon Ext.

Anti-aging
Anti-oxidation
Nourishing
Moisturizing

Anti-wrinkle, Anti-oxidation
Anti-aging, Anti-microbe
Anti-oxidation, Anti-wrinkle
Brightening, Anti-wrinkle, Moisturizing
Moisturizing, Anti-oxidation, Anti-aging
Nourishing, Anti-aging, Anti-wrinkle
Anti-oxidation, Anti-microbe
Anti-aging, Soothing
Anti-wrinkle, Anti-oxidation, Nourishing
Anti-aging, Brightening
Anti-aging, Brightening, Anti-wrinkle, Anti-oxidation
Brightening
Anti-oxidation, Anti-aging, Anti-microbe
Anti-aging
Anti-aging
Anti-aging
Anti-aging
Anti-aging
Anti-aging
Anti-aging
Anti-microbe
Soothing
Anti-allergy
Anti-oxidation
Soothing
Soothing, Skin barrier enhancement, Anti-microbe
Soothing
Soothing
Soothing
Soothing
Soothing
Soothing, Anti-allergy, Anti-microbe
Soothing
Soothing
Soothing
Soothing
Soothing
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Soothing
### Product

<table>
<thead>
<tr>
<th>Product</th>
<th>Main Effect</th>
<th>Sub Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 Flowers Complex</td>
<td>Moisturizing</td>
<td>Anti-inflammation, Soothing, Nourishing</td>
</tr>
<tr>
<td>Aqua Active H</td>
<td>Moisturizing</td>
<td>Anti-inflammation, Soothing, Nourishing</td>
</tr>
<tr>
<td>AQUA-LINE</td>
<td>Moisturizing</td>
<td>Anti-inflammation, Soothing, Nourishing</td>
</tr>
<tr>
<td>DB WHITE COMPLEX VI</td>
<td>Brightening</td>
<td>Anti-inflammation, Nourishing</td>
</tr>
<tr>
<td>DB-BHC</td>
<td>Brightening</td>
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<td>Depigmyl PV</td>
<td>Brightening</td>
<td>Anti-inflammation, Nourishing</td>
</tr>
<tr>
<td>F-Brightening Complex</td>
<td>Brightening</td>
<td>Anti-inflammation, Nourishing</td>
</tr>
<tr>
<td>Green Sprout Complex</td>
<td>Nourishing</td>
<td>Anti-inflammation, Nourishing, Anti-oxidation</td>
</tr>
<tr>
<td>Hair Clinic Complex</td>
<td>Anti-inflammation</td>
<td>Anti-microbe</td>
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<tr>
<td>Humaxyl_Mush</td>
<td>Moisturizing</td>
<td>Soothing, Skin barrier enhancement</td>
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<tr>
<td>Humaxyl SWA</td>
<td>Moisturizing</td>
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<tr>
<td>INFllayme HYF</td>
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<td>MOIST-LINE 5</td>
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<td>Soothing, Skin barrier enhancement</td>
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<tr>
<td>Mushroom Complex</td>
<td>Moisturizing</td>
<td>Soothing, Skin barrier enhancement</td>
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<tr>
<td>Pure Med</td>
<td>Nourishing</td>
<td>Anti-inflammation, Anti-oxidation, Moisturizing</td>
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<tr>
<td>Skiria 10</td>
<td>Nourishing</td>
<td>Anti-inflammation, Anti-oxidation, Moisturizing</td>
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<td>Soothing Cooler</td>
<td>Brightening</td>
<td>Anti-aging, Anti-oxidation</td>
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<tr>
<td>True-White</td>
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<td>Anti-aging, Anti-oxidation</td>
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<tr>
<td>White Flower 7</td>
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<tr>
<td>WHITE-LINE 3</td>
<td>Brightening</td>
<td>Anti-aging, Anti-oxidation</td>
</tr>
</tbody>
</table>

### Main Effect

Moisturizing, Soothing, Nourishing, Brightening, Anti-inflammation, Anti-aging

### Sub Effect

- Anti-inflammation, Soothing, Nourishing
- Anti-inflammation, Soothing, Nourishing, Brightening, Anti-aging
- Anti-inflammation, Soothing, Nourishing, Brightening, Anti-aging, Anti-oxidation
- Nourishing, Skin barrier enhancement
- Soothing, Skin barrier enhancement
- Soothing, Skin barrier enhancement
- Soothing, Skin barrier enhancement
- Brightening, Anti-oxidation
- Anti-oxidation, Nourishing, Anti-oxidation
- Anti-aging, Anti-oxidation
- Anti-aging, Anti-oxidation
- Anti-aging, Brightening
- Brightening, Anti-oxidation

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### Ferment

- **Product**: Bambusa Vulgaris Ferment Filtrate
- **Main Effect**: Anti-oxidant
- **Sub Effect**: Skin barrier enhancement, Nourishing, Anti-inflammation

- **Product**: Bifida Ferment lysate
- **Main Effect**: Anti-oxidant
- **Sub Effect**: Skin barrier enhancement, Nourishing, Anti-inflammation

- **Product**: Camellia Sinensis Leaf Ferment Filtrate
- **Main Effect**: Anti-oxidant
- **Sub Effect**: Skin barrier enhancement, Nourishing, Anti-inflammation

- **Product**: Diospyros Kaki Fruit Ferment Filtrate
- **Main Effect**: Anti-oxidant
- **Sub Effect**: Skin barrier enhancement, Nourishing, Anti-inflammation

- **Product**: D-Phytogen
- **Main Effect**: Anti-oxidant
- **Sub Effect**: Skin barrier enhancement, Nourishing, Anti-inflammation

- **Product**: Glycine Max (Soybean) Seed Ferment Ext.
- **Main Effect**: Anti-oxidant
- **Sub Effect**: Skin barrier enhancement, Nourishing, Anti-inflammation

- **Product**: Honey Ferment Filtrate
- **Main Effect**: Anti-oxidant
- **Sub Effect**: Skin barrier enhancement, Nourishing, Anti-inflammation

- **Product**: Houttuynia Cordata Ferment Ext.
- **Main Effect**: Anti-oxidant
- **Sub Effect**: Skin barrier enhancement, Nourishing, Anti-inflammation

- **Product**: Lactobacillus Ferment
- **Main Effect**: Anti-oxidant
- **Sub Effect**: Skin barrier enhancement, Nourishing, Anti-inflammation

- **Product**: Rice Ferment Ext.
- **Main Effect**: Anti-oxidant
- **Sub Effect**: Skin barrier enhancement, Nourishing, Anti-inflammation

- **Product**: Saccharomyces Ferment
- **Main Effect**: Anti-oxidant
- **Sub Effect**: Skin barrier enhancement, Nourishing, Anti-inflammation

- **Product**: WSS-100
- **Main Effect**: Anti-oxidant
- **Sub Effect**: Skin barrier enhancement, Nourishing, Anti-inflammation

- **Product**: Antoxyl_S
- **Main Effect**: Anti-oxidant
- **Sub Effect**: Skin barrier enhancement, Nourishing, Anti-inflammation

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### Steam Distillates

- **Product**: Aloe Barbadensis Leaf Water
- **Main Effect**: Soothing
- **Sub Effect**: Anti-inflammatory, Moisturizing, Anti-oxidation

- **Product**: Bambusa Vulgaris Water
- **Main Effect**: Anti-oxidation
- **Sub Effect**: Moisturizing

- **Product**: Bitter Orange Flower Water
- **Main Effect**: Antioxidant
- **Sub Effect**: Anti-aging

- **Product**: Camellia Japonica Flower Water
- **Main Effect**: Anti-oxidation
- **Sub Effect**: Anti-aging

- **Product**: Centaurea Cyanus Flower Water
- **Main Effect**: Anti-oxidation
- **Sub Effect**: Anti-aging

- **Product**: Centella Asiatica Leaf Water
- **Main Effect**: Anti-oxidation
- **Sub Effect**: Anti-aging

- **Product**: Coconut Water
- **Main Effect**: Soothing
- **Sub Effect**: Anti-oxidation

- **Product**: Hippophae Rhamnoides Water
- **Main Effect**: Anti-aging
- **Sub Effect**: Anti-oxidation

- **Product**: Lavender Flower Water
- **Main Effect**: Soothing
- **Sub Effect**: Anti-oxidation

- **Product**: Red Ginseng Water
- **Main Effect**: Soothing
- **Sub Effect**: Anti-oxidation

- **Product**: Rosa Damascena Flower Water
- **Main Effect**: Soothing
- **Sub Effect**: Anti-oxidation

- **Product**: Tea Tree Leaf Water
- **Main Effect**: Soothing
- **Sub Effect**: Anti-oxidation

- **Product**: Witch Hazel Water
- **Main Effect**: Soothing
- **Sub Effect**: Anti-oxidation

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### Semi-Formulation

- **Product**: BAESCONE™ Skin Activor
- **Main Effect**: Moisturizing
- **Sub Effect**: Anti-oxidation, Anti-inflammation, Soothing

- **Product**: Skin Activor
- **Main Effect**: Soothing
- **Sub Effect**: Anti-oxidation, Anti-inflammation, Soothing

- **Product**: Skin Activor
- **Main Effect**: Soothing
- **Sub Effect**: Anti-oxidation, Nourishing

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For human with nature _ 15