

Skin is subjected to many stressors

Introduction of notion of EXPOSOME

How exposome impacts skin?

Exposome concerns everyone!





What is Exposome?

Totality of non-genetic exposures to which an individual is subjected from conception to death

Specific external exposome









UV, pollution, lack of exercise sedentarity, lack of sleep unhealthy food

General external exposome









socio-economic status, psychology (stress...), level of education and even location (urban, rural).

Internal exposome









metabolism, circulating endogenous hormones, the microbiota, inflammatory processes, oxidative stress and even ageing.

THE SKIN EXPOSOME



















7 ECM DEGRADATION



OXIDATIVE STRESS

7 CELL SENESCENCE

WOUND HEALING AND REGENERATIVE CAPACITIES



SKIN BARRIER FRAGILITY



SKIN IRRITATION SENSITIVITY



ACNE-PRONE SKIN



LOSS OF RADIANCE



INFLAMM'AGING

ALPIN HEILMOOR EXTRACT a multifunctional active

IN VITRO **ANALYSIS**

BALANCE

SKIN BARRIER STRENGTHENER ANTI-OXIDANT

SLOWS DOWN **CELLULAR AGEING**



ANTI-**INFLAMMATORY**



ANTI-GLYCATION



KEY BACTERIA

- Preserves key bacteria
- · Promotes the Growth of Staphylococcus epidermidis, the "microbial guardian of skin • E-Cadherin B2: + 25% health"

DIFFERENTIATION **MARKERS**

- K10 expression: + 240%
- K16 inhibition: 84%
- E-Cadherin B1: + 57%
- Sphingomyelinase activity: + 21%

PRO-INFLAMMATORY **MEDIATORS**

- TNF-α release: 66%
- IL-1β release: 65%
- IL-6 release: 67%
- IL-8 release: 46%
- PGE2 release: 65%

OXIDATIVE STRESS / **GLYCATION MARKERS**

- ROS production: 43%
- RCAN1 expression: 85%
- NO production: 77%
- 8-isoprotane: 40%
- RAGE Expression: 64%

CELLULAR SENESCENCE MARKER

- Senescent cells: 21%
- Wound healing potenty: + 250%

PROVEN EFFICACY: CLINICAL STUDIES





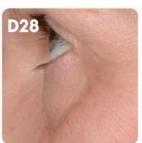
-40% IMMEDIATE SKIN DISCONFORT -67% **PREVENTING**





-33% **ACNE LESIONS** -19% COMEDONS





-11% LOSS OF SKIN **ELASTICITY** +17% **EYE SKIN** RADIANCE





+11% SHORT-TERM MOISTURIZING EFFECT

ALPIN HEILMOOR EXTRACT BENEFITS

CUSTOMER BENEFITS

- Innovative, 100% natural, CO₂
 neutral bioactive
- Sustainable quarrying and extraction
- Standardized extract AND innovative process
- Easy-to-formulate, no predispersion is required
- Heilmoor has a positive reputation and a long tradition

SKIN BENEFITS

- Maintaining & balancing the skin microbiome
- Improving the skin barrier
- Preventing inflammation
- Preventing & reversing glycation
- Preventing oxidative stress
- Reducing senescence
- Promoting skin's own healing & repair capacity

CONSUMER SKIN BENEFITS

- Immediate & preventive soothing effect
- Anti-acne effect
- Preventing signs of aging
- Radiance effect around the eye area
- Anti-Dehydration
- Younger & healthier general appearance



ALPIN HEILMOOR EXTRACT ™ a multiple award winning active



2. Prize Category Most Innovative Raw Material

The jury regarding ALPIN
HEILMOOR EXTRACT™: "High
potential for normalizing the
complexion. Excellent application
possibilities."





3. Prize Category Raw Materials

The jury regarding ALPIN
HEILMOOR EXTRACT™: "The noval
and sustiainable sourcing and
production approach"

