

// Organic Silicon

// *Ancestral practices based on observed knowledge*

In hot countries where sand is abundant, it is common to recommend sand baths to treat skin conditions. Yet, sand = silicon. The well-known properties of nettle and horsetail are due to silicic acid in which silicon is not oxidised in silica.

// *Silicon's role in animal tissues*

All our organs are built on a connective tissue framework that manages and maintains them. Silicon contributes to the strength and integrity of these connective tissues.

// *Silicon's properties*

This element is similar to Carbon, by its ability to create chemical links. However, it reacts with oxygen and generates silica. Once it becomes a mineral, it is no longer useful for living organisms.

// *Oxidation phenomena inside living organisms*

Life relies on the ability to utilize oxygen. Our cells and tissues continuously depend on this. Some components such as Silicon react to an excessive amount of oxygen in our tissues.

The fate of Silicon in our tissues

// We know that the quantity of unoxidised Silicon in our tissues decreases with ageing ; tissues lose their flexibility. Moreover, special events such as wounds, inflammation, radiation, can provoke Silicon oxidation locally. It is therefore necessary to replenish by a food intake or an external application through the skin.



// *How to maintain our Silicon levels?*

Following an appropriate diet is the first step. It is recommended to avoid absorbing aluminium compounds, as aluminium will trap and provoke the elimination of Silicon.

A replenishment might then be necessary. The CRP suggests the following solutions:

- Chemically link the Silicon to atoms different than oxygen (then it will remain available for living organisms)
- Incorporate Silicon to algae or yeasts and consume it as food supplement.

The first option has been promoted by N. Duffaut, who discovered the organic Silicon. We implement this process as we obtain a gel proven to be successful: the gel Doucéliantis®.

The second option is implemented by the laboratory Vita Api to fabricate Trianox®: the spirulina algae absorbs the silicon inside its living matter, which makes it orally bio-available.

What happens when we absorb or apply Silicon?

Only organic Silicon is used. It spreads easily through the skin towards the needed zones. If orally taken, it is assimilated like a food and goes to the blood.

A burning (heat, sunburn, radiation) will develop an inflammation, and a disruption of the dermal connective tissue. An oxidation stress happens, so the Silicon is oxidised.

An intake of organic Silicon will reorganise the reticulin fibres and rebuild the layer responsible for the elasticity of the skin.

Joints nearer the skin surface can benefit from this action through the skin. The micro-lesions of arterial linings are restored.

Thus Silicon acts as a structural restorer of oxidising stress.

