



**Superfoods from High-Value Fucoxanthin &
Active Ingredients in Microalgae**

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Legal disclaimer

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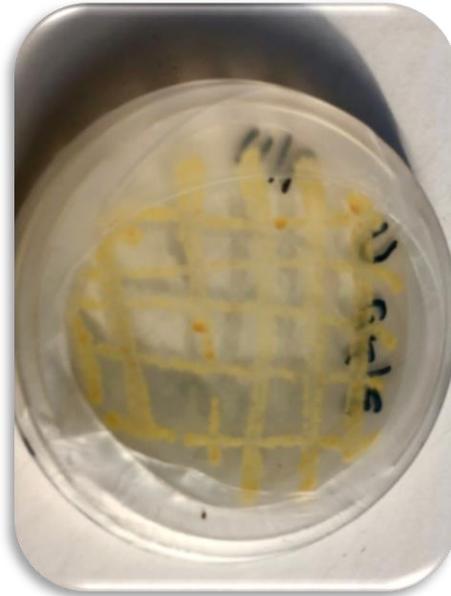
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What is Fucoxanthin?

A. Fucoxanthin is a golden brown caratanoid pigment made by algae.

Health Benefits

- Breaks down white fat in body
- Kills cancerous cells
- Helps fight type II diabetes
- Powerful antioxidant
- Brightens skin



Algal colonies on solid medium



Algae cultivated in semi-closed system

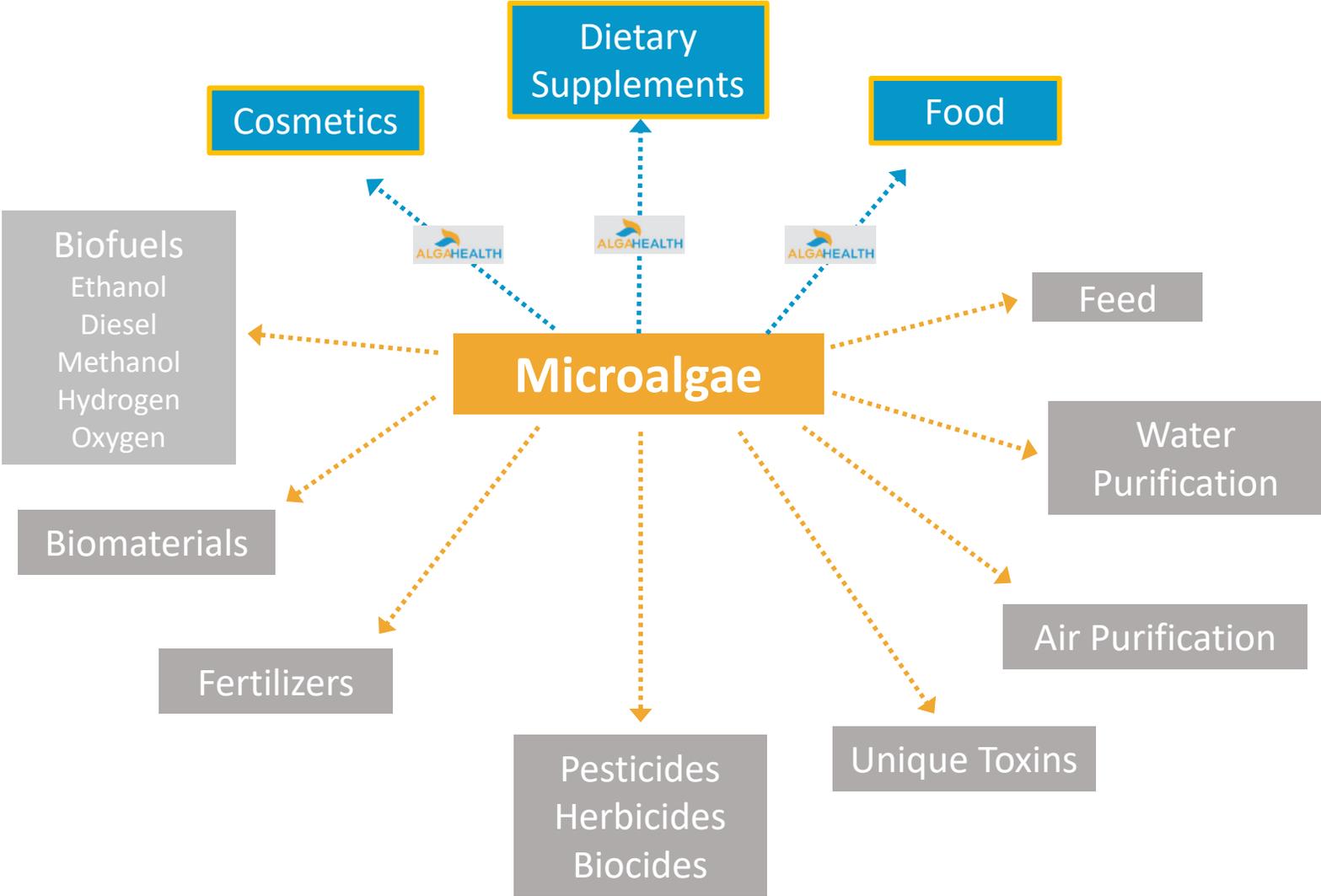


Algae growing in flat panels

Microalgae Are Increasingly Used as Ingredients

The Global Algae Products Market was valued at ~\$30 billion in 2016 and is projected to reach ~\$45 billion by 2025.

[*Brisk Insights](#)



Fucoxanthin Today from Macroalgae



Derived from **seaweed**
(macroalgae)



Low fucoxanthin concentration
levels \neq sustainable **~0.05%**

Ex: 2000 kg of seaweed = 1 kg fucoxanthin
oleoresin product



Expensive & time-consuming
extraction process



Seaweed is a **seasonal crop**



Macroalgae (ocean seaweed)
accumulate contaminants

Ex: heavy metals, iodine, and radioactive waste



Limited supply of fucoxanthin
available in market

The AlgaHealth Difference: Fucoxanthin from Specially Cultivated Microalgae



Quantity

- ✓ Faster growing cycles
- ✓ Unlimited, scalable supply
- ✓ Higher fucoxanthin concentration
- ✓ Low loss rate



Quality

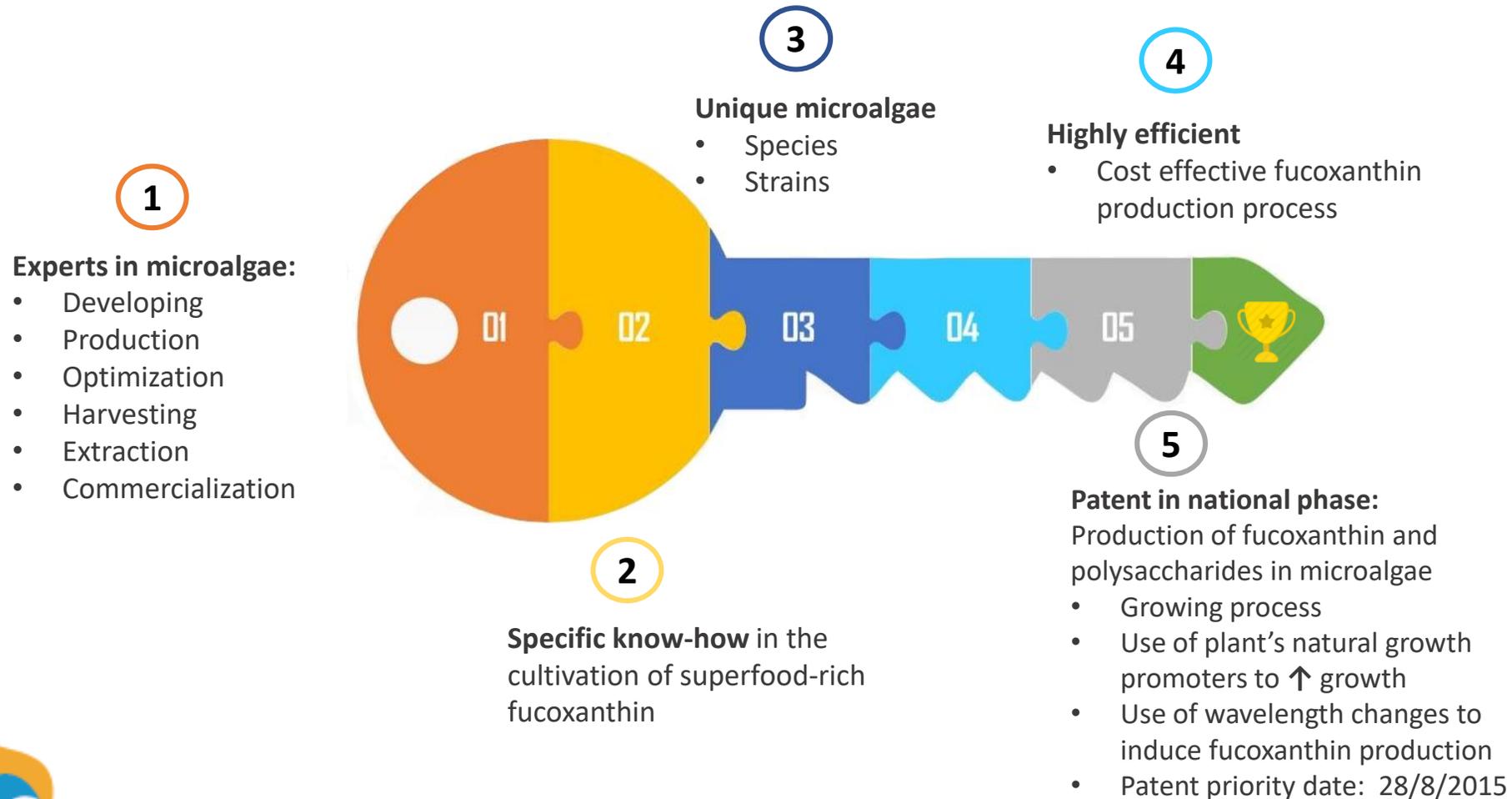
- ✓ Controlled high purity environment
- ✓ No contaminants
- ✓ Higher in nutrients
Ex: DHA



Profitability

- ✓ Year-round sustainable cultivation
- ✓ **High-value by-products (polysaccharides)**
- ✓ Lower cost
- ✓ Highly profitable crop
- ✓ Large market demand

AlgaHealth's Competitive Advantage



AlgaHealth's Fucoxanthin Based Product Line

1. Algal powder, **1% fucoxanthin**



-Food
-Dietary
Supplements



2. SCF-CO2 extracted Oleoresin **10% fucoxanthin**



-Food
-Dietary
Supplements
-Cosmetics



3. Ethanol extracted Oleoresin, **10% fucoxanthin**



-Food
-Dietary
Supplements
-Cosmetics



Fucoxanthin: A High Value Superfood for Multiple Markets



- Used in:
 - Cosmetics
 - Dietary supplements
 - Food
 - Pharmaceuticals
- Annual market size **\$600 million USD**
- Market growth of **6%** per annum
- **Price \$40-\$80k USD per kilogram**

*Global Fucoxanthin Market 2015 Industry Trend and Forecast 2020, QYResearch, Oct 2015

AlgaHealth's Investment Opportunity

Raising \$2.5 million

- Set-up a 50 m³ pilot production plant
- Scale-up production
- Reach profitability within 3 years

R&D:

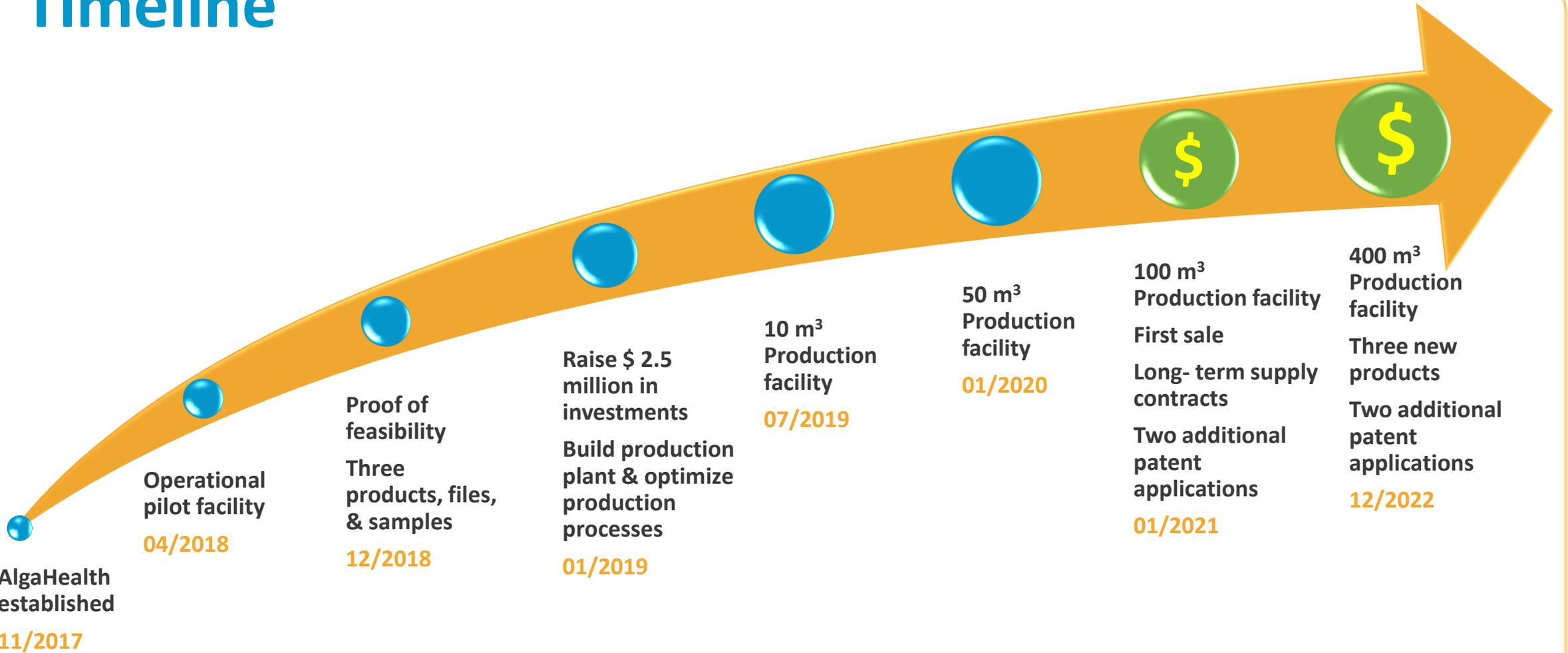
- Enrich and cultivate optimal algal species and strains
- Establish production standard protocols and optimize production processes
- Produce 22 kg of pure base fucoxanthin

Sales and marketing:

- Recruit and train sales team and establish sales channels



Timeline



Our Team



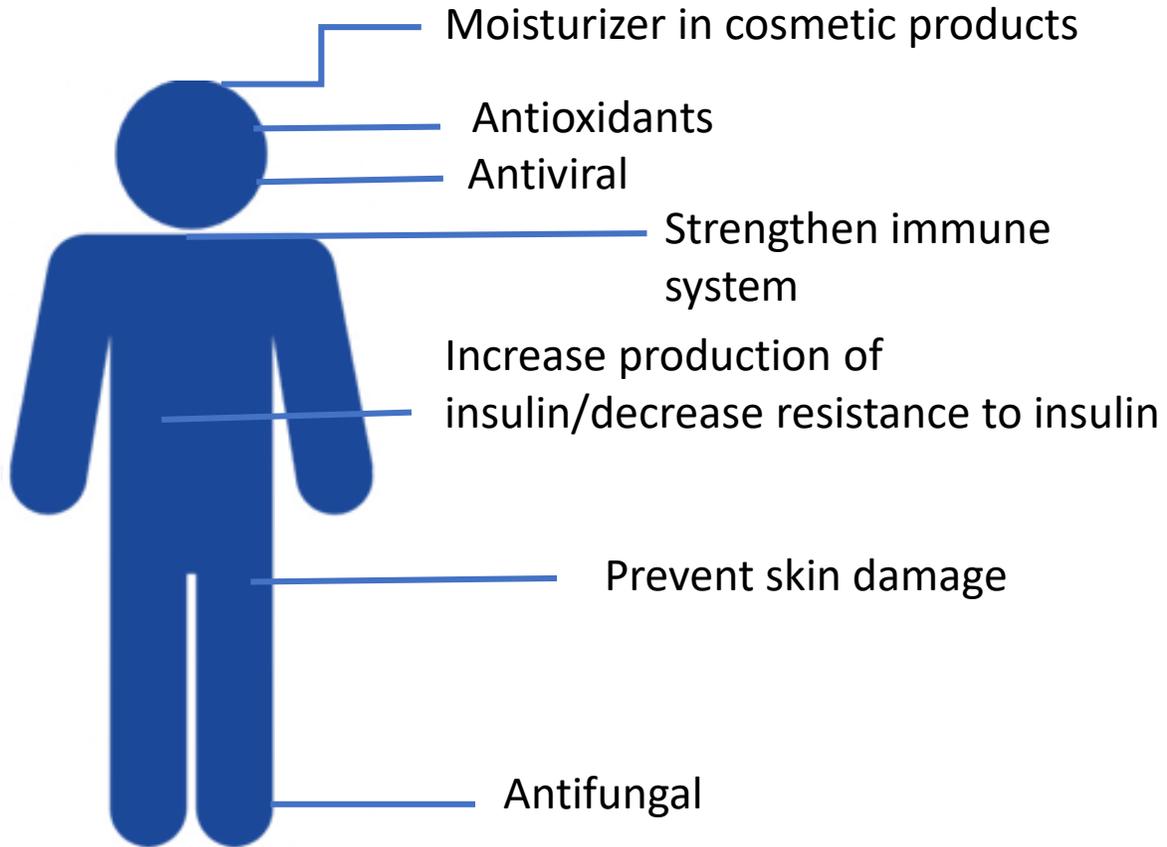
Hagay Tzur, CEO: 33 years' management expertise in different industries, 18 years as a CEO; former CEO, Algatechnologies (8 years), where he turned the company from a losing enterprise into a world leader in the microalgae industry, to a \$100 million exit; mentor and adviser for manufacturing and cultivating microalgae.



Oran Ayalon, PhD, CTO: 20+ years' experience in biotech; management positions in R&D and marketing; extensive experience with microalgae, including VP R&D at a leading microalgae company Algatechnologies; PhD, biology/chemistry, Weizmann Institute of Science; MBA, Bar-Ilan University; postdoctorate, Yale University

Our Microalgae By-product: A Novel Polysaccharide

“Polysaccharides are responsible for the skin’s natural ability to hydrate and retain water. They are critical for skin repair and skin renewal.”*





THANK YOU!

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