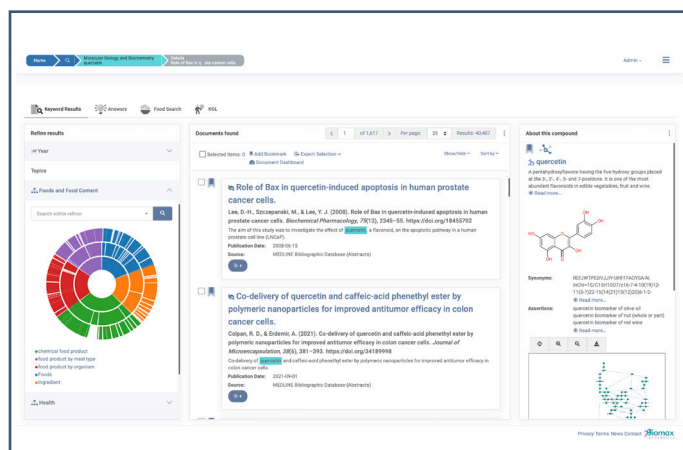# AILANI™ for Food and Nutrition

Intelligent Knowledge Retrieval in Food and Nutrition

Searching proprietary & public resources

The field of food science and the global nutraceuticals market is expanding and is expected to reach $340 billion by 2024. Technological innovation in the nutraceutical industry provides better suited and customized products to the consumer.

To better identify opportunities and current trends in the nutraceuticals market a simple, fast and comprehensive literature and database search is needed. Product comparisons to competitor products to optimize own products or to develop new products is crucial to keep pace with the current trends.

European Food Safety Authority (EFSA) can be searched in parallel with proprietary documents.

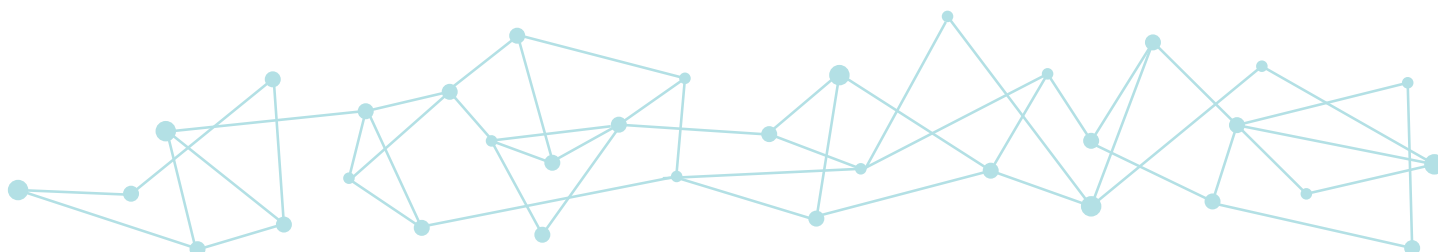*Document results and chemical background of quercetin*

AILANI for Food and Nutrition

AILANI for Food and Nutrition allows for intelligent knowledge retrieval from public and proprietary sources. Databases, such as USDA Foods and Open Food Facts as well as more than 150 public full text journals in the field of food and nutrition as well as articles from the

Specialized comprehensive search

Research often involves the manual exploration and continuous monitoring of multiple independent data sources which can be both inefficient and time consuming. Furthermore, the wide spread use of synonyms when describing plants or food, makes the retrieval of relevant and meaningful data even more difficult.

AILANI for Food and Nutrition integrates multiple information sources that can be easily extended and interlinked with proprietary data. This enables a holistic approach to address nutraceuticals and food products. The underlying ontology allows for synonym recognition which enhances the search experience.

A specialized food search further allows to screen and compare food products based on ingredients, vitamins, allergens, additives, nutritional value or environmental impact, including labels, such as the Nutri-Score, Eco-Score or Nova Group.

Intelligent answers for current trends

AILANI allows natural language questions while hiding the complex logic from the user. The software understands and aggregates the information from questions with a set of facts like:
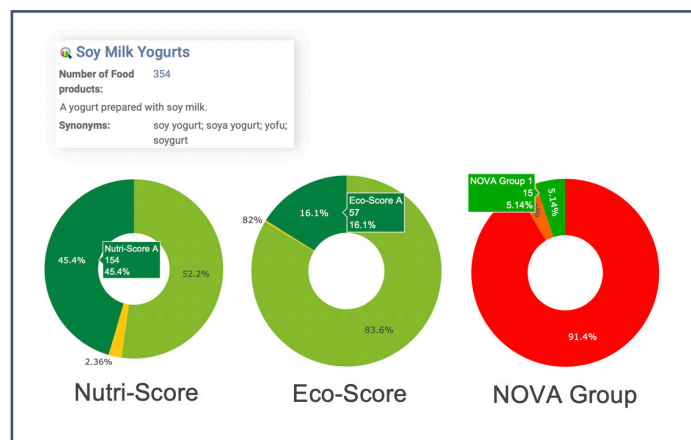
> What are recent launches in the nutraceuticals market?

> How to replace fish oil in aquaculture feeds?

> What can I do to increase the shelf life of fruits?

> What are active natural ingredients with health benefits?

Food products classified by nutrition labels

Easy-to-use without expert knowledge

AILANI has a user friendly interface allowing for an easy access to a multitude of literature and database sources. Smart breadcrumbs allow you to follow your search journey. Searches can be saved and recalled at any time. Users can easily create bookmarks and alerts, adapting the system to their individual search behaviours and to keep up to date with upcoming articles and newsfeeds in their field.

Food products compared at the nutrition level

Why choose AILANI?

The integration and interconnection of your organization proprietary data along with the AI-based semantic search provides an easy access to public and corporate knowledge in one system.

Comprehensive literature search in nutraceuticals and food science is facilitated. You can screen and compare food products based on ingredients, nutritional value or environmental impact and make better informed food choices to improve the long-term impact of your food consumption on your health and on the environment.