

HOW DO YOU INNOVATE FASTER AND WITH MORE CONFIDENCE?



To be competitive amidst changing markets, food and beverage companies require actionable insights on external players, products and technologies that will improve consumer health and nutrition, food safety and sustainability.

For companies in the Food and Beverage industry, long-term growth requires:

- **STAYING AHEAD OF MARKET TRENDS AND EMERGING TECHNOLOGIES IN HEALTH AND NUTRITION** such as those related to weight management, disease prevention and disease management
- **KEEPING UP WITH DEVELOPMENTS IN FOOD SAFETY AND DEFENSE**, such as those related to additive and ingredient safety, allergens, microbial and chemical contaminants, and food tracking systems
- **DRIVING NEW PRODUCT INNOVATION** by using internal and external expertise to develop breakthrough food and ingredient products, processes and technologies
- **CONTINUALLY IMPROVING QUALITY, SUSTAINABILITY AND EFFICIENCY OF PROCESSING AND PACKAGING SYSTEMS** through new technologies, materials and techniques
- **AND MORE...**

Introducing **ILLUMIN8**, a web-based research tool that enables product and partnering decisions as you explore new technologies, products and markets.

RESEARCH PRODUCT

APPLICATIONS such as *Nutraceuticals*

- illumin8 provides insights on how certain compositions and methods may protect nutraceuticals and other beneficial compounds from degradation during prolonged storage and after ingestion
- illumin8 uncovers a number of active companies and experts on nutraceuticals, and highlights how growing demand will benefit the flavors market because of the bitter or sour taste that nutraceuticals are known for

RESEARCH MATERIALS

such as *Bio-based Plastics*

- illumin8 highlights how some bio-based plastics are preferable from a health and safety perspective and others from an environmental perspective, and reveals how starch, PLA, and PHA polymers are generally preferred over other options
- illumin8 provides insights on how many of the bio-based plastic options use GMOs, with various articles suggesting possible health hazards due to the unclear effects of GMOs

RESEARCH FOOD TRACKING

TECHNOLOGIES such as *RFID and Biosensors*

- illumin8 shows scientific and news articles about RFID tagging as an accepted technology for human, animal and product tracking, and highlights how costs to implement will decrease as volumes grow to meet consumer and regulatory demands for better food traceability and safety systems
- illumin8 highlights scientific research on bio recognition devices, revealing their beneficial capabilities in rapid and highly sensitive detection of food borne pathogens

USE ILLUMIN8 TO:

- Discover new technologies, materials and processes for product development.
- Uncover new applications and markets for existing technologies.
- Identify leading experts and competitors in unfamiliar markets.
- Find potential partners and suppliers for bringing new ideas to market.
- Understand potential risks and benefits of new approaches or entering new markets.

ENTER A RESEARCH TOPIC AND
ILLUMIN8 LETS YOU VIEW AND SHARE
YOUR RESEARCH RESULTS:



EXPLORE
Trends and Opportunities



EVALUATE
Technologies and Methods



COMPARE
Products, Organizations and Approaches



REPORT
Findings and Insights

ILLUMIN8 uses semantic search technology to “read” from a breadth of content sources:

NEWS AND WEB

Billions of web pages and 1000+ online business, technical and trade news sources

JOURNALS AND ABSTRACTS

5 million+ scientific and technical articles and 40 million+ scientific records from Elsevier and 5,000+ publishers

PATENTS

24 million+ patents from 5 patent offices worldwide (WIPO, US, European, UK and Japan)

*Disclaimer: illumin8 is continually updating its content database. Results described here are therefore subject to change

Visit www.illumin8.com/getstarted or contact us at illumin8@elsevier.com

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