

# FRUIT PROCESSING

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Events

Filtration

Market Price Report

Process Technology

Product Development

Science & Research

Sweetening Concepts

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**What is important to  
beverage consumers  
these days**



### SCIENCE & RESEARCH

**Beverage innovations based on Agaricus bisporus . . . . . 150**



In recent years, the search for beverage innovations with a unique sensory or health profile has focused on unusual raw materials such as ginger, curcuma or algae. With this variety of raw materials, the Asian market for innovative ingredients is more developed than the European market, which means that beverages based on medicinal and edible mushrooms known in Asia have not been marketed in the European region yet. The Competence Center for Applied Mycology and Environmental Studies (KAMU) at the Department of Oecotrophology at the Hochschule Niederrhein – University of Applied Sciences was opened in June 2016. Since then it forms a research focus for the sensory, nutritional and health-promoting effects of edible mushrooms ...

### PRODUCT DEVELOPMENT

**Wellbeing, naturalness and nostalgia: Key drivers of the beverage market in 2022. . . . . 154**

Never has the motto “we are what we eat” been so true. Storytelling and transparency are key to winning customer trust and loyalty, especially when it comes to health, environment and fair working conditions. Making a better world is the new aspiration of responsible consumers. On the one hand, it seems that the Covid-19 pandemic has pushed well-identified trends to a new level, with wellness turning into wellbeing and new ingredients with a health-halo appearing in all kinds of applications. On the other hand ...

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**SWEETENING CONCEPTS**

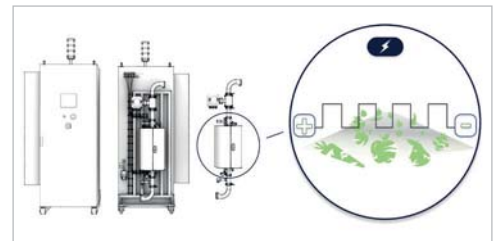
**Finding the natural ‘sweet spot’ between a healthy life and a healthy planet . . . . . 158**

Health and sustainability are both high on the consumer agenda, and with the theme of this year’s World Health Day being ‘Our planet, our health’, it’s safe to say awareness of the link between the two is increasing. Both individual and environmental health are impacted by the food we grow and eat – indeed, this link has led to the rise in plant-based diets, as consumers seek to reduce their personal impact on the planet and improve their health by cutting out, or limiting, animal-derived products ...

**PROCESS TECHNOLOGY**

**juiceCEPT® Game-changing technology for the fruit juice industry . . . . . 160**

The globalized world we live in today has not only led to the need for many manufacturers to produce longer-lasting products. There is also a need to produce more in the same period while at the same time minimizing waste. OptiCept Technologies has developed a technology that meets these challenges in the best way possible. Global distribution often means challenges when it comes to shelf life. Extending shelf life often means pasteurization – giving the juice ...



**FILTRATION**

**Eaton supports quality and innovation with filter media containing activated carbon for a wide range of applications . . . . . 164**

High demands and innovative products are the drivers of new developments in filtration: In order to support users in various industries in their pursuit of the highest quality and a diverse product range, Eaton is optimizing and expanding its range of filter media containing activated carbon. The upgraded BECO CARBON™ depth filter sheets offer particularly high adsorption properties for the demanding filtration of liquids. With their strong decolorization abilities and ...

**EVENTS**

**Trends in the beverage industry 2022 . . . . . 166**

Healthy ingredients are good for well-being and for the environment – that’s how you could describe the mood among consumers in the food and beverage sector. The fact is that, partly due to the pandemic, consumers are increasingly on the lookout for healthy products and changing their consumption habits in favor of “free-from” and “clean-label” products. The question of personal well-being is becoming more and more of an everyday topic. These changes in consumers’ desires can also be seen by the beverage and liquid food industry, which will meet from ...

**REGULAR SECTIONS**

**Editorial . . . . . 147**  
**Imprint . . . . . 148**  
**Peer Review Board . . . . . 165**  
**Offers & Requests . . . . . 168**  
**Business News . . . . . 169**  
**New Product Launches . . . . . 174**  
**Business Contacts . . . . . 176**  
**Market Price Report . . . . . 177**

