Energy-efficient grinding of plant-based supermarket waste as a substrate for the biogas process
PROCESS TECHNOLOGY

San Pellegrino turns to Sidel to increase performance, hygiene and production capacity ........................................... 78

Sidel has supplied two Sidel Matrix™ Combis to the Sanpellegrino plant in Ruspino, Italy, to help increase production capacity of its famous sparkling mineral water. Sidel Matrix is the most powerful solution to date in terms of performance, flexibility, cost savings and sustainability. Over the past few years, the global market in bottled water has grown significantly primarily due to the increasing worldwide demand for premium, healthier drinks ...

SCIENCE & RESEARCH

Heiko Rischer, Emilia Nordlund
Tasty superfood from plant cell cultures ........................................... 82

VTT Technical Research Centre of Finland is developing a new and promising method of producing healthy and tasty plant-based food through plant cell culture (PCC) technology rather than field cultivation. The development work was elevated to a whole new level by a study on the nutritional properties of PCCs grown from cloudberry, lingonberry and stoneberry. Their nutritional value was proven to be much higher than anticipated, in addition to having a nice sensory profile ...

IMPRINT

Publisher
Evi BRENNICH
Editorial Office
Editor-in-Chief: Evi BRENNICH
editorial@fruit-processing.com
Editor: Marco BRENNICH
marco.brennich@fruit-processing.com
Advertising
Cornelia HEBBE
cornelia.hebbe@fruit-processing.com
Advertisement Rates:
Current price list 2018 on request and at www.fruit-processing.com
Readers’ Service
Christian FRIEDEL
christian.friedel@fruit-processing.com
Subscription Rate (print)
Europe: EUR 115 incl. mailing cost
Overseas: EUR 124 incl. mailing cost
Cancellation: Written notice one month prior to the end of the subscription period.

Address for all Communications:
confructa medien GmbH
FRUIT PROCESSING
Westerwaldstrasse 2a
D-56587 Oberhonnewefld, Germany
Phone: +49 (0)2634 9235-0
Fax: +49 (0)2634 9235-35
editorial@fruit-processing.com
www.fruit-processing.com

Ownership structure of the shareholders in accordance with Pressegesetz Rheinland-Pfalz:
Evi Brennich 51 %, Guido Hoffmann 26 %, Lothar Hoffmann 14 %,
Hubert Brennich 9 %; Managing Partner: Evi Brennich; HRB 14556 Montabaur

Printed by:
mohr medien GmbH, Metastraße 3, D-56579

Original science and research papers will be presented for scrutiny to a member of the Peer Review Board. All manuscripts must be written in English. If English is not the author’s primary language, the author should obtain assistance.

All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the written permission of the publisher.

This issue is read in over 115 countries by more than 30,000 readers per issue.

Publication frequency (print/digital): monthly

© Copyright 2018 confructa medien GmbH,
Westerwaldstrasse 2a, D-56587 Oberhonnewefld, Germany

ISSN 0939-4435,
Printed in Germany
FILLING TECHNOLOGY

Flexible and low on space: KHS presents innovative block systems for the sensitive range

Yoghurt is no longer spooned out of the pot but drunk. Breakfast is no longer just eaten at the kitchen table but also on the hoof. And it should all be as healthy and sustainable as possible. This is one of the reasons why the demand for smoothies, milk and dairy products is steadily growing. KHS now provides its linear aseptic fillers for the bottling of these sensitive products also as a space-saving block system ...

PACKAGING TECHNOLOGY

SIG and Amcor push responsible aluminium sourcing further

Following its responsibility approach entitled WAY BEYOND GOOD, SIG is committed to sourcing 100 % of its direct materials from only certified sources. Working together with value chain partner Amcor, the partnership aims to assure that the aluminium foil supply chain is working towards the performance standard of the Aluminium Stewardship Initiative (ASI). Amcor, a global leader in responsible packaging, is one of SIG’s main suppliers for aluminium in Europe ...

SCIENCE & RESEARCH

Michael Frankl, Dr Michael Menner, Mikael Tekneyan
Energy-efficient grinding of plant-based supermarket waste as a substrate for the biogas process

Plant-based supermarket waste (fruit, vegetables, salads, cut flowers, etc.) along with suitable cleaning and peeling waste from supermarkets, along with general waste from the food industry, occur in annual quantities of several hundred thousand tonnes in Germany. In most cases, this waste fraction is virtually free of any impurities. When this waste is not used as animal feed, its recycling has until now mainly been through composting and has therefore tended to involve disposal. This means that a possible energy-related use of this waste is also lost ...

PUMPS

More than standard pumping solutions

When it comes to pumps within the food, beverage and dairy industries, SPX FLOW, Inc. has an impressive brand history. The company’s success is based on in-depth understanding of sanitary applications, industry-leading knowledge of how to best select pumps for optimum performance, years of proven applications and an ongoing commitment to excellence in customer service ...

REGULAR SECTIONS

Editorial
Imprint
Peer Review Board
Business News
Offers & Requests
Business Contacts
Market Price Report