

Journal for meat production, processing and research


Stock Management: Weighing data provide quality indications

## Sustainability

## Conditioned fresh air reduces consumption

Research \& Development
Investigations on mechanically deboned broiler meat

Adding value through automation

Raw Sausage Production
Salami without backfat

Packaging
Efficient use of raw material
$\square$

5/2012 | Volume 27

## Fleisch Wirschaft <br> International

| Contact |  |
| :---: | :---: |
| Publishing director |  |
| Dr. Clemens Knoll |  |
| Editorial office |  |
| Executive editor |  |
| Dipl.oec.troph. Renate Kühlcke (kck) |  |
|  | +49 69 7595-1551 |
| Editor-in-chief |  |
| Gerd Abeln MA (abe) | +49697595-1571 |
| Editors |  |
| Yvonne Buch (yb) | +4969 7595-1572 |
| Dipl.-Ing. Iörg Schiffeler (jus) +4969 7595-1554 |  |
| Dipl.-Ing. Michael Weisenfels (mw) |  |
| Advisory board |  |
| Paul Brand |  |
| Prof. Dr. Wolfgang Branscheid |  |
| Prof. Dr. Lüppo Ellerbroek |  |
| Prof. Dr. Karsten Fehlhaber |  |
| Prof. Dr. Dr. Manfred Gareis |  |
| Dr. Michael Heitmann |  |
| Dr. Klaus-losef Högg |  |
| Dr. Hartwig Kobelt |  |
| Dr. Fredi Schwägele |  |
| Dr. Heinz Schweer |  |
| Prof. Dr. Achim Stiebing |  |
| Prof. Dr. Klaus Troeger |  |
| Dr. loachim Wiegner |  |
| Publishing departments |  |
| Advertising manager |  |
| Sales manager international |  |
| Irem Caner | +4969 7595-1854 |
| Advertising disposition |  |
| Tanja Krause | +4969 7595-1853 |
| Publicity |  |
| Sandra Müller | +4969 7595-1961 |
| Customer service |  |
| Corinna Cezanne | +49 69 7595-1962 |
| Gisela Reinhardt | +49697595-1963 |
| Graphics |  |
| Reinhold Büssing | +4969 7595-1568 |
| Dipl.-Des. Marcel Möbius | +4969 7595-1555 |

## Published by

Deutscher Fachverlag GmbH
Mainzer Landstrasse 251
60326 Frankfurt am Main / Germany
Postal address 60264 Frankfurt am Main
Phone +49 69 7595-01
Fax +49 69 7595-1570
Email red-flw@dfv.de
Internet www.fleischwirtschaft.com
Further details on page 56


Static and dynamic weighing machines, equipment for identifying foreign bodies and packaging controls, as well as different software solutions are used along the entire value chain.


For most of the year in Central Europe, ambient air is available that can be used for drying and curing raw cured products such as sausage and ham with just a few minor adjustments.


Automated broiler cut-up lines remove the furcula (wishbone) from the carcass as an entire cut, allowing the subsequent separation of breast muscles. Practical difficulties in distinguishing this meat from mechanically separated meat (MSM).

## Research \& Development

O.P. Malav, B.D. Sharma, P. Goulakrishnan, S. Talukder and R. Ranjan Kumar Effect of water chestnut flour on quality characteristics and storage stability - Investigations on restructured chicken meat blocks ..... 58
E. Sánchez-Zapata, E. Sayas, J. A. Pérez-Álvarez and J. Fernández-López
Fibre enrichment of a dry fermented sausage using tiger nut milk co-products as a fibre source ..... 63
M. Stasiewicz, K. Lipinski and M. Cierach
The effect of storage conditions on the quality characteristics of semi-coarsely ground cooked sausages ..... 66
W. Branscheid, M. Judas, H. Wagner and K. Troeger
$\rightarrow$ Investigations on the characterisation of mechanically deboned broiler meat ..... 70
M. Kiran, K. Sudhakar Reddy, K. Kondal Reddy, T. Madhav Rao and B.M. Naveena
Effect of blade tenderisation and ammonium hydroxide marination

- Investigations on textural properties and microstructure of spent hen meat ..... 76


## InterMeat

Focussing on the counter ..... 12
D| What is new at InterMeat 2012? ..... 15
FachPack
|) The packaging chain under one roof ..... 18
Production
Hans-Wilhelm Windhorst: Iowa - the centre of the US swine industry ..... 22
Product Quality
|l| Ulich Schützeneder: Weighing data provide quality indications ..... 30
Sustainability
Axel Riebel: Conditioned fresh air reduces consumption ..... 34
Software
|N Peter Schimitzek: Adding value through automation ..... 39
Cold Chain Logistics
Andreas Prüfig: Reports deviations in real time ..... 44
Raw Sausage Production
| Gunther H. Lembke, Gregor Scheffer and Josef Schäfermeier: Salami without backfat ..... 49
Packaging
D) Kurt Stark: Efficient use of raw materials ..... 52

| Columns |  |
| :---: | :---: |
| Editorial | 3 |
| News | 6, 7, 33, 54 |
| Business News | 8,9 |
| Foreign Markets | 10,29 |
| Industry News | 15, 16, 17, 18, 21, 43, 46, 51 |
| Abstracts | ..... 56, 65, 75 |
| Research | 55 |
| Advertisers, Credi | , Subscriptions ......... 56 |



A modern stock management helps manufacturing companies to become increasingly effective. In the field of refrigerated logistics, packaging solutions often work directly related to weighing systems to achieve a good hygienic basis for safe food.

## With Hydrosol your cooked ham shapes up really well!

To ensure your sliced ham is always in tip-top condition, we customize the injection additives to your requirements - helping you produce a wide variety of specialities profitably.

Hydrosol at InterMeat 2012 23-25 Sept 2012 Düsseldorf, Germany Hall 10, Stand A58

## - Brine production even at low temperatures <br> - Weight loss greatly reduced <br> - Excellent slice cohesion <br> - Syneresis minimized

hydrosol
THESTABILISER PEOPLE
Phone +49 (0) $4102 / 202-003$
info@hydrosol.de, www.hydrosol.de

