

# **milchWissen**schaft milk science international

Zeitschrift für Ernährungsforschung und Lebensmittelwissenschaften  
Journal of Nutrition Research and Food Science

Wissenschaftliche Redaktion / Scientific Editor: Prof. Dr. W. Heeschen  
Wissenschaftlicher Beirat / Scientific Advisers: Dr. J. Bräunig, Prof. Dr. K. Heller,  
Prof. Dr. U. Kulozik, Prof. Dr. J. Schrezenmeir, Prof. Dr. H. Weindlmaier

**2**

Volume 66

No. 2

Kempten

B 4747 E

MILCAD 66 (2)

117-232 (2011)

Aus dem Inhalt / From the content:

Occurrence of bifidobacteria in human milk

Hypocholesterolemic effects of probiotic fermented dairy products

Viability of freeze-dried cultures of lactic acid bacteria

Quantitative determination of micellar calcium in milk and cheese

Preparation and properties of functional soft cheese-like product

Selective enumeration of Bifidobacteria

Microgel particle size measurement in stirred skim milk yoghurt

Detection of ewe's milk in goat cheese

Storage stability of spray-dried yoghurt powder

Restoring the rennetability of transglutaminase-treated casein micelles

Chemical-physical characteristics of buffalo yoghurt

Ionic calcium and pH as predictors of stability of milk to UHT processing

# MILCHWISSENSCHAFT • MILK SCIENCE INTERNATIONAL

ZEITSCHRIFT FÜR ERNÄHRUNGSFORSCHUNG UND LEBENSMITTELWISSENSCHAFTEN

JOURNAL OF NUTRITION RESEARCH AND FOOD SCIENCE

ORGAN DER GESELLSCHAFT FÜR MILCHWISSENSCHAFT / ASSOCIATION OF MILK SCIENCE

WISSENSCHAFTLICHE REDAKTION / SCIENTIFIC EDITOR: PROF. DR. W. HEESCHEN

Vol. 66 • Nr / No 2 • Kempten • MILCAD 66 (2) 117-232 (2011)

## ORIGINALARBEITEN / ORIGINAL PAPERS

- ÖZ, H., ROSE-MEIERHÖFER, S., DEĞIRMENCİOĞLU, A., STRÖBEL, U., BRUNSCH, R., BILGEN, H., ERDOĞAN, U.: Mathematical modelling and optimization of vacuum related variables in conventional and quarter individual milking systems using response surface methodology ..... 119-123
- RADA, V., NEVORAL, J., FLAJŠMANOVÁ, K., ROČKOVÁ, S., KRČMÁŘOVÁ, I., GRMANOVÁ, M., VLKOVÁ, E., NOVÁKOVÁ, I., KILLER, J., KOPEČNÝ, J.: Occurrence of bifidobacteria in human milk ..... 123-126
- HEMAR, Y., AUGUSTIN, M.A., CHENG, L.J., SANGUANSRI, P., SWIERNON, P., WAN, J.: The effect of pulsed electric field processing on particle size and viscosity of milk and milk concentrates ..... 126-128
- OOI, L.G., AHMAD, R., YUEN, K.H., LIONG, M.T.: Hypocholesterolemic effects of probiotic-fermented dairy products ..... 129-132
- ÖNER, Z., ŞANLIDERE-ALOĞLU, H., DEDEBAŞ, T.: Determination of antioxidant capacity in milk from various animals and humans ..... 133-135
- BURGOS, J., HOZ, J., CABEZA, M.C., CAMBERO, M.I., ORDOÑEZ, J.A.: Viability of freeze-dried cultures of lactic acid bacteria after storage for 30 to 40 years ..... 135-137
- RÉMILLARD, N., BRITTEN, M.: Quantitative determination of micellar calcium in milk and cheese using acid-base titration ..... 137-140
- INOUE, K., IHARA, K., NAKAMURA, K., TAKETSUKA, M., SAITO, H., ICHIHASHI, N., IWATSUKI, K.: Effects of manufacturing process parameters on fat globule size and viscosity of whipping cream ..... 141-144
- ASSEM, F.M., ABD EL-GAWAD, M.A.M., EL-SHIBINY, S.: Preparation and properties of functional soft cheese-like product based on milk protein concentrate ..... 145-149
- GHODDUSI, H.B., HASSAN, K.: Selective enumeration of Bifidobacteria: A comparative study ..... 149-151
- WEIDENDORFER, K., HINRICHS, J.: On-line microgel particle size measurement in stirred skim milk yoghurt ..... 152-155
- CERQUAGLIA, O., CONTARINI, G., INGI, M.: Detection of ewe's milk in goat cheese by the evaluation of whey protein fraction ..... 155-158
- BALKIR, P., SAKIN, M., KOC, B., KAYMAK-ERTEKIN, F.: Storage stability of spray-dried yoghurt powder ..... 159-162
- GÜCÜKOĞLU, A., ÇADIRCI, Ö., ÖZDEMİR, H.: Enterotoxin production by coagulase-positive staphylococci isolated from ice-creams ..... 163-165
- CHIDANANDAIAH, SRIVASTAVA, A.K., BISWAS, A.K., KUMAR, R.R.: Changes in quality of whey-shank soup thickened with pigeon pea (*Cajanus cajan*) flour during storage at  $4\pm1$  °C in polyethylene pouches ..... 165-168
- AKBULUT, C., GOVINDASAMY-LUCEY, S., LUCEY, J.A., JAEGGI, J.J., JOHNSON, M.E.: Impact of grating size on the texture and melting properties of reformed non-fat cheese ..... 169-172
- SONG, D., KHOURYIEH, H., ABUGHAZALEH, A.A., SALEM, M.M.E., HASSAN, O., IBRAHIM, S.A.: Sensory properties and viability of probiotic microorganisms in chocolate ice cream supplemented with omega-3 fatty acids ..... 172-175
- HUPPERTZ, TH.: Restoring the rennetability of transglutaminase-treated casein micelles ..... 175-177
- BILANCIA, M.T., CAPONIO, F., SUMMO, C., GOMES, T., FACCIA, M.: Chemical-physical characteristics of buffalo yoghurt marketed in Italy ..... 178-181
- URBIENÉ, S., SASNAUSKAITÉ, L.: Influence of bioactive lysozyme on the quality of fermented milk ..... 182-185
- JAN, M., FILIP, S., POLAK, T., HRIBAR, J., VIDRIH, R.: Quantitative comparison of the fatty acid composition of dairy and artificial creams and their nutritional value in the human diet ..... 186-189
- HOU, J.: Variations of *trans* octadecenoic acids, especially *trans*-10 C18:1 and *trans*-11 C18:1 in milk fat ..... 189-192
- MOHAMMADI, R., ROUHI, M., MORTAZAVIAN, A.M.: Effects of music waves on fermentation characteristics and viability of starter cultures in probiotic yogurt ..... 194-197
- LEWIS, M., GRANDISON, A., LIN, M.J., TSIOLUPAS, A.: Ionic calcium and pH as predictors of stability of milk to UHT processing ..... 198-200
- Referate, Kurzberichte, Schnellinformationen / Abstracts, Short Information ..... 201-231
- Impressum ..... 231