

Bibliographie

- Albitar, N. ; Mounir, S. ; Besombes, C. ; Allaf, K. 2011.
Improving the Drying of Onion Using the Instant Controlled Pressure Drop Technology. *Drying Technology*, **29**: 993-1001.
- Alias, N. ; Saipol, H.F.S. ; Abd Ghani, A.C. 2014.
Chronology of DIC technique based on the fundamental mathematical modeling and dehydration impact. *Journal of Food Science and Technology-Mysore*, **51**: 3647-3657.
- Ahmad, S., Yaghmaee, P., Durance, T. 2012.
Optimization of Dehydration of *Lactobacillus salivarius* Using Radiant Energy Vacuum. *Food and Bioprocess Technology*, **5** : 1019-1027.
- Assawarachan, R. ; Noomhorm, A. 2012.
Influence of temperature and T_{SS} on performance of evaporation and rheological properties of pineapple concentration by microwave vacuum. *Journal of Food Process Engineering*, **35** : 455-470.
- Atuonwu, J.C. ; van Straten, G. ; van Deventer, H.C. ; van Boxtel, A.J.B. 2011a.
Model-Based Energy Efficiency Optimization of a Low-Temperature Adsorption Dryer. *Chemical Engineering & Technology*, **34** : 1723-1732.
- Atuonwu, J.C. ; van Straten, G. ; van Deventer, H.C. ; van Boxtel, A.J.B. 2011b.
Optimizing Energy Efficiency in Low Temperature Drying by Zeolite Adsorption and Process Integration. *Pres 2011 : 14th International Conference on Process Integration, Modelling and Optimisation for Energy Saving and Pollution Reduction*, **25** : 111-116.
- Bazinet, L. ; Benoit, S. ; Pouliot, Y. ; Castaigne, F. 2018.
Opérations unitaires et notions de génie industriel laitier appliquées. *In Science et technologie du lait*, 3^e édition. Fondation de technologie laitière du Québec, Presses de l'Université Laval, Québec, Canada. Chapitre 2, p. 37-154.
- Bouvier, J. M. ; Collado, M. ; Gardiner, D. ; Scott, M. ; Schuck, P. 2013.
Physical and rehydration properties of milk protein concentrates : comparison of spray-dried and extrusion-porosified powders. *Dairy Science & Technology*, **93** : 387-399.

- Cartier, S. 2011.
Technologies et procédés de traitement des biomasses marines. *BioTendance* CQVB, n° 11, Mars.
- Cheftel, J.-C. ; Cheftel, H. ; Besançon, P. 1992.
Introduction à la biochimie et à la technologie des aliments. Vol. 2, 7^e édition, Éditions Tec & Doc Lavoisier, Paris, France, 420 pages.
- Church, J. S. ; MacIntyre, C. M. ; Archambault, W. R. ; Moore, P. E. ; Cochran, J. L. ; Durance, T. D. ; Van Hamme, J. D. 2013.
Effect of radiant energy vacuum on physical and microbial properties of beef jerky. *Journal of Food Science and Engineering*, **3** : 33-39.
- Clary, C. D. ; Wang, S. J. ; Petrucci, V. E. 2005.
Fixed and incremental levels of microwave power application on drying grapes under vacuum. *Journal of Food Science*, **70** : E344-E349.
- Cohen, J.S. ; Yang, T.C.S. 1995.
Progress in food dehydration. *Trends in Food Science and Technology*, **6** : 20-25.
- CRBM. 2006.
La zéodratation. *BioTechno* CQVB, Vol. 5, n° 2, Novembre.
- Djaeni, M. ; Bartels, P.V. ; Sanders, J.P.M. ; van Straten, G. ; van Boxtel, A.J.B. 2008.
Computational fluid dynamics for multistage adsorption dryer design. *Drying Technology*, **26** : 487-502.
- Djaeni, M. ; Bartels, P.V. ; Sanders, J.P.M. ; van Straten, G. ; van Boxtel, A.J.B. 2007.
Process integration for food drying with air dehumidified by zeolites. *Drying Technology*, **25** : 225-239.
- Fellows, P.J. 2009.
Food Processing Technology - Principles and Practice. 3rd edition, Woodhead Publishing Limited, CRC Press, Cambridge, Angleterre, 928 pages.
- Geankoplis, C.J. 2003.
Transport Processes and Separation Process Principles : Includes Unit Operations. 4th Edition, Prentice Hall, Englewood Cliffs (NJ), 1 020 pages.

Guisnet, M. ; Ribeiro, F.R. 2006.

Les zéolithes: un nanomonde au service de la catalyse. Éditions EDP Sciences, Les Ulis, France, 260pages.

Haddad, J. ; Juhel, F. ; Louka, N. ; Allaf, K. 2004.

A study of dehydration of fish using successive pressure drops (DDS) and controlled instantaneous pressure drop (DIC). *Drying Technology*, **22** : 457-478.

Jayasundera, M. ; Adhikari, B. ; Adhikari, R. ; Aldred, P. 2011.

The effects of proteins and low molecular weight surfactants on spray drying of model sugar-rich foods: Powder production and characterisation. *Journal of Food Engineering*, **104** : 259-271.

Karel, M. 1974.

Fundamentals of Dehydration Process. *In Advances in Preconcentration and Dehydration*, Applied Science Publishers Ltd, Londres, Angleterre, 526 pages.

Kessler, H.G. 2002.

Food and Bio Process Engineering–Dairy Technology. 5^e édition, Vertag A. Kessler, Munich, Allemagne, 694 pages.

Loncin, M. ; Merson, R.L. 1979,

Food Engineering : Principles and Selected Applications, Academic Press, New York (NY), 494 pages.

Mafart, P. 2004.

Génie industriel alimentaire. Tome 1 : Les procédés physiques de conservation. 2^e édition. Éditions Tec & Doc Lavoisier, Paris, France, 275 pages.

Masters, K. 1991.

Spray Drying Handbook. 5th edition, Longman Scientific & Technical, Wiley & Sons, Burnt Mill, England, 725 pages.

Monteiro, R.L. ; Carciofi, B.A.M. ; Marsaioli, A. ; Laurindo, J. B. 2015.

How to make a microwave vacuum dryer with turntable. *Journal of Food Engineering*, **166** : 276-284.

Mounir, S. ; Allaf, K. 2008.

Three-stage spray drying: New process involving instant controlled pressure drop. *Drying Technology*, **26** : 452-463.

- Mounir, S. ; Besombes, C. ; Al-Bitar, N. ; Allaf, K. 2011.
Study of Instant Controlled Pressure Drop DIC Treatment in Manufacturing Snack and Expanded Granule Powder of Apple and Onion. *Drying Technology*, **29** : 331-341.
- Noorbakhsh, R. ; Yaghmaee, P. ; Durance, T. 2013.
Radiant energy under vacuum (REV) technology: A novel approach for producing probiotic enriched apple snacks. *Journal of Functional Foods*, **5** : 1049-1056.
- Rodriguez, R. ; Lombrana, J.I. ; Kamel, M. ; de Elvira, C. 2005.
Kinetic and quality study of mushroom drying under microwave and vacuum. *Drying Technology*, **23** : 2197-2213.
- Roustel, S. 2011.
Zéodratation. *Techniques de l'ingénieur*. Fiche F3010 V1. 6 pages.
- Schuck, P. ; Tanguy, G. ; Dolivet, A. ; Méjean, S. ; Jeantet, R. ; Garreau, D. ; Vezzani, C. 2016.
Milk powder, brevet PCT n° WO2016016397 A1.
- Setyoprato, P. ; Fatmawati, A. ; Allaf, K. 2009.
Texturing by Instant Controlled Pressure Drop DIC in the Production of Cassava Flour: Impact on Dehydration Kinetics, Product Physical Properties and Microbial Decontamination. *Wcecs 2009: World Congress on Engineering and Computer Science*, **1-2** : 112-117.
- Singh, R.P. ; Heldman, D.R. 2014.
Introduction to Food Engineering, 5th edition, Academic press, Elsevier, Amsterdam, Netherland, 892 pages.
- Schuck, P. ; Dolivet, A. ; Méjean, S. ; Zhu, P. ; Blanchard, E. ; Jeantet, R. 2009
Drying by desorption: A tool to determine spray drying parameters. *Journal of Food Engineering*, **94** : 199-204.
- Smichi, N. ; Messaoudi, Y. ; Gelicus, A. ; Allaf, K. ; Gargouri, M. 2015.
Optimization of DIC technology as a pretreatment stage for enzymatic saccharification of Retama raetam. *Fuel Processing Technology*, **138** : 344-354.

Tanguy, G. ; Dolivet, A. ; Méjean, S. ; Garreau, D. ; Talamo, F. ; Postet, P. ; Jeantet, R. ; Schuck, P. 2017.

Efficient process for the production of permeate powders. *Innovative Food Science and Emerging Technology*, **41** : 144-149.

Vieira, E.R. 1996.

Elementary Food Science. 4th edition, Chapman and Hall, New York (NY), 423 pages.

Wang, S. ; Langrish, T. 2009.

A review of process simulations and the use of additives in spray drying. *Food Research International*, **42** : 13-25.

Wray, D. ; Ramaswamy, H. S. 2015.

Quality attributes of microwave vacuum finish-dried fresh and microwave-osmotic pretreated cranberries. *Journal of Food Processing and Preservation*, **39** : 3067-3079.

Yi, J.Y. ; Wang, P. ; Bi, J.F. ; Liu, X. ; Wu, X.Y. ; Zhong, Y.G. 2016.

Developing Novel Combination Drying Method for Jackfruit Bulb Chips: Instant Controlled Pressure Drop (DIC)-Assisted Freeze Drying. *Food and Bioprocess Technology*, **9** : 452-462.