

Curriculum Vitae - Denis Poncelet

PERSONAL INFORMATION

Lastname, Firstname	Poncelet, Denis, Jacques, Charles, Marie
Birth date	1 January 1956
	Maried, 3 kids
Address	5 rue de la maison blanche, 44240 Sucé/Erdre, France
Status	Full Professor (1st classe)
Affiliation	ENITIAA, rue de la géraudière, BP 82225, 44322 Nantes, France
Phone	+33 - 2 51 78 54 25
Fax	+ 33 - 2 51 78 54 67
Email	poncelet@enitiaa-nantes.fr
Other title	Adjunct professor, Université Laval, Québec, Canada President, Bioencapsulation Research Group President, Action COST865 Bioencapsulation

PROFESSIONAL INFORMATION

1981 - 82	Professor of Physic and Chemistry Lycée provincial de Seraing (Belgique)
1986 - 92	Research Associate in Canada Chemical engineering department, University McGill, Montreal Institut National de la Recherche Scientifique, Pointe-Claire (2 year) Canadian National Research Council , Montreal (2 year)
1989 - 93	Adjunct and invited professor Chemical engineering department, University McGill, Montreal (4 years) ENS-Cachan, Cachan, France (3 months) Food engineering department, Quebec University (4 years)
1992 - 93	Senor researcher, Flamel Technologies, Vénissieux, France
1993 - 99	Professor, ENSAIA-INPL (Food engineering School), Vandoeuvre, France Head of the Biochemical Department (-> 1998) Codirector Industrial Fermentations and Bioconversions department
1999 - ...	Professor, ENITIAA (Food engineering School), Nantes, France Research Director (2003-2005)

Curriculum Vitae - Denis Poncelet

TRAINING AND & DIPLOMAS

- Oct. 1980 Master in Chemistry (Distinction) Chemistry department, University of Liège, Belgique
Thesis: Molecular dynamic of bis(π -allyl-Ni-X) complex and polymérisation of butadiene, Director: Pr. Ph. Teyssié
- Juin 1981 Master in High school teaching (Distinction)
University of Liège, Belgique
- Mar. 1986 Doctorat in Sciences (Greatest Distinction) University of Liège, Belgique.
Thesis: Fondamental analysis of Biological fluidised beds
Secondary thesis: Physico-chemical computation, i.a. pH, in complex medium
Director: E.-J. Nyns, University of Louvain-la-neuve, Belgium

EXTRAPROFESSIONAL ACTIVITIES AND RESPONSABILITIES

- Co-founder of the ncapsolutions sarl, SME linked to a large industrial consortium based on a European funded network.
- Co-founder of Capsulae sarl, SME created in 2006 to valorize technologies developed in the laboratory.
- Co-founder of ImpaSciences, SME created in 2008 to act for “Internet Management of Project and Assistance to Scientific Events”.
- Co-founder and President of Bioencapsulation Research Group, created in 1989, Scientific association covering 80 countries with a membership of more than 2000 persons including 40 % industrials.
- Initiator and chair of COST 840 Bioencapsulation: innovation et technologies, 1997-2003, European network to promote exchanges and collaboration in bioencapsulation.
- Initiator and chair of COST 865 Bioencapsulation Multiscale Interaction Analysis, 2007-2010, European network to promote exchanges and collaboration in bioencapsulation.
- Chair of European Space Agency Topical Team Microgravity and microencapsulation, 1999-2005, European and Canadian consortium of 12 research group

Curriculum Vitae - Denis Poncelet

INVOLVMENT IN COLLABORATIVE PROJECTS AND NETWORKS

- Member of the Marie Curie Research Thematic Network Biopowder, 2005-2008, Consortium of 15 European partners, including 8 industrials.
- Member of the RTD European collaborative project Rhibac (Rhizobacteria for soil Inoculation) 2006-2010, consortium of 8 partners, including 3 industrials
- Member of CIMEX, 2005-2008, European and Canadian research consortium of 8 groups.
- Member of the Craft European project MEPHHAC (Probiotic encapsulation) 2004-2006, consortium of 8 partners, including 5 industrials.
- Coordinator of Virtual Institute Bio&Microencapsulation Sciences and Technologies, 2003 - 2006, Consortium of 14 partners including 9 industrial for the industrial development of microencapsulation.
- Member of of Brite Euram Network Micro-cap 1999-2002. Consortium of 30 european partners, including 22 industrials

CONFERENCES ORGANISATIONS

International Conference on Bioencapsulation

1991 Montreal (Canada) 1992 Cachan (France) 1993 Brussels (Belgium) 1994 Quebec (Canada) 1996 Postdam (Germany) 1997 Barcelona (Spain) 1998 Tidewater (USA) 1999 Trondheim (Norway) 2001 Warsaw (Poland) 2002 Prague, Czech rep.) 2003 Illkirch (France) 2004 Vitoria (Spain) 2005 Kingston (Canada) 2006 Lausanne (Switzerland) 2007 Vienna (Austria) 2008 Dublin (Ireland)

COST 840, COST 865 workshop (See also ICB 1999 to 2008)

2000 Vienna (Austria) 2000 Espoo (Finland) 2002 Birmingham (UK) 2003 Thessaloniki (Greece) 2006 Roma (Italy) 2007 Lisbon (Portugal) 2008 Ljubljana (Slovenia)

Industrial workshops, symposium and trade fair on microencapsulation

Trade fair 1998 Nancy, France 2001 Nantes (France) 2003 Geneva (Switzerland) 2006 Strasbourg (France)

Workshop 2002 *Controlled Release system in Cosmetics and Personal Care* Lyon (France)

2004 *Polymers: delivering new performances to microcapsules Methods* Liège (200)

2005 *Industrial Workshop on Encapsulation Methods* Vienna (Austria)

2008 *Industrial workshop on microencapsulation of flavours* Sion (Switzerland)

2008 *Microencapsulation: des Sciences aux Technologies* Nantes (France)

2009 *Industrial Symposium and trade fair on Microencapsulayion* Brussel (Belgium)

Eusopean Space Agency Topical Team meeting

2004 *Mini-workshop on microencapsulation by Solvent evaporation* Paris (France)

Curriculum Vitae - Denis Poncelet

MEMBER OF JOURNAL EDITORIAL BOARD

- Journal of Microencapsulation
- Artificial Cells, Blood Substitutes and Immobilization Biotechnology
- Microspheres, Microcapsules and Liposomes Series
- Journal Africain de Pharmacie
- Chemical Industry & Chemical Engineering Quaterly

REVIEWER FOR INTERNATIONAL JOURNAL

AIChE Journal Annales of N.Y. Academy of Sciences APPS pharmSci AAPS PharmSciTech Biotechnology and Bioengineering Chemical Engineering European Journal of Pharmaceutics and Biopharmaceutics Environmental Engineering Science International Journal of Chemical Reactor Engineering	Journal of Biotechnology Journal of Chemical Technology and Biotechnology Journal of Fermentation and Bioengineering Journal of Food Science Journal of Microencapsulation Ingénieur et Industrie APPS Journal of Membrane Science Journal de microencapsulation Le lait Polymer International
--	---

RESEARCH PROJECT REVIEWER FOR

<ul style="list-style-type: none">• Posdoctoral fessolships Marie Curie (DG XII)• ISTC (DG XII)• INTAS (DG XII)• ANVAR• Réseau Français Matériaux et Procédés (France)• Education of Slovak Republic and Slovak Academy of Sciences (Slovakie)• Czech Republic Academy of Science (Républic Tchèque)• Natural Sciences and Engineering Research Council of Canada (Canada)	<ul style="list-style-type: none">• Fond pour la Formation de Chercheurs et Aide à la Recherche (Canada)• Engineering and Physical Sciences Research Council (UK)• Conseil National des Sciences Ingénieurs (Suisse)• Research Commission for Sceintific Evaluation of ETH (Suisse)• Netherlands Research Council for Chemical Sciences (Netherland)• Binational Agricultural Research and Development Fund (France-Israel)
---	--

SUPERVISION OF THESIS

1. Perols, C. (1994-1998). Encapsulation d'alpha-acétolactate décarboxylase pour application en brasserie. Ecole Nationale Supérieure d'Agronomie et des Industries Alimentaires. Vandoeuvre-les-Nancy, France, Institut National Polytechnique de Lorraine.
2. Jacquot, M. (1999-2002). Encapsulation d'un système enzymatique pour la production de composés bactériostatiques sur des aliments. Ecole Nationale Supérieure d'Agronomie et des Industries Alimentaires. Vandoeuvre-les-Nancy, France, Institut National Polytechnique de Lorraine.
3. Samira Elmafadi (2000-2004) Maîtrise d'un procédé d'enrobage en lit fluidisé en mode Wurster. Université de Nantes. Nantes
4. Julia Guerin-Petremont (2001-2004) Etude de l'enrobage par Hot melt. Ecole Nationale des Ingénieurs et Techniques des Industries Agro-Alimentaires. Nantes
5. Stéphane Bone (2002-2005) Utilisation des mélangeurs statiques dans le développement de procédés innovants d'encapsulation. Université de Nantes. Nantes
6. Evelina Ivanova (2002-2005) Procédé d'encapsulation appliqué aux bactéries fixatrices d'azote en vue d'applications agricoles Université de Nantes. Nantes
7. Mimma Perneti (2002-2005) Mise au point d'une méthode d'immobilisation de cellules pour la fabrication d'un biosenseur Université de Nantes. Nantes
8. Alexandra Reid (2003-2007) Encapsulation de nutraceutics: systèmes multicomponents Université de Nantes/ université Laval, Canada. Nantes
9. Ming Li (2004-2008) Etude de la microencapsulation par évaporation de solvant Université de Nantes. Nantes
10. Gisèle Ongmayeb (2004-2008) Microencapsulation par réticulation interfaciale Université de Nantes. Nantes
11. Luca Billancetti (2004-2008) Enrobage de particules par pulvérisation de poudre Université de Nantes. Nantes
12. Mauricio Scoebitz (2006-2010) Encapsulation de bactérie promotrices de la croissance des plantes Université de Nantes. Nantes
13. Sariah Abang (2008-2011) Encapsulation de transesteriférase pour la production de biodiesel. Université de Nantes (Cotutelle avec l'université de Sabah, Malaisie)
14. Guy Fendoung (2008-2011) Immobilisation de cellules promotrices de la croissance des plantes. Université de Nantes

MEMBER OF PhD COMMITTEES

15. AUDET, P., Procédé d'immobilisation pour la production de biomasse lactique par fermentation d'un milieu à base de perméat de lactosérum, in Faculté des Sciences de l'agriculture et de l'alimentation. 1991, Université Laval: Québec.
16. COSTAZ, H., Encapsulation d'un principe actif par double émulsion: mise au point d'un procédé de formation de systèmes réservoirs. 1992, Université Claude Bernard-Lyon I: Lyon. p. 168.
17. LAPREE-DELESTRE, C., Synthèse et étude physico-chimique d'alginate substitues par des polyoxyalkylenes en vue d'applications d'intérêt biologique. 1993, Institut national polytechnique de Lorraine.
18. BAZINET, C., Une approche vers les semences synthétiques: Contribution à l'amélioration de la qualité de l'embryogenèse somatique chez la carotte (*Daucus carota* L.) et à l'étude des propriétés physico-chimiques du support de l'encapsulation. 1994, Université de Technologie de Compiègne.
19. HUGUET, M.L., Etude de billes d'alginate de calcium recouvertes de polymère polycationique. 1994, Institut national polytechnique de Lorraine: Lorraine. p. 107.
20. PLESSIS, P., Cryoconservation par enrobage-déshydratation de bourgeons de Vigne (*Vitis vinifera* L.) cultivée in vitro. Effets du prétraitement des bourgeons, évolution des sucres solubles, et comportement des solutions pendant la congélation. 1994, L'université Pierre et Marie Curie: Paris. p. 162.
21. RAMDI, H., Inclusion de chondrocytes articulaires dans des gels d'alginate. Aspects techniques. Caractéristiques cellulaires et perspectives biotechnologiques. 1994, Université Paris VII.
22. ZINUTTI, C., Microsphères d'éthylcellulose chargées en 5-fluorouracile. étude pharmaceutique et évaluation biopharmaceutique. 1994, Université Henri Poincaré-Nancy I: Nancy 1. p. 159.
23. CEDRATI, N., Microparticules d'hémoglobine. 1995, Université Henri Poincaré, Nancy I: Nancy. p. 198.
24. GARDIN-BOUHIOUI, H., Biodegradation du 2,4,6-trichlorophénol, en culture continue, par des populations mixtes anaérobies et aérobies, co-immobilisées en billes de gel (k-carraghénane/gélatine). 1997, Université de technologie de Compiègne.
25. MORANCAIS, P., Etude de la formation des émulsions dans des mélangeurs statiques. Application aux procédés de microencapsulation par polymérisation interfaciale. 1997, Université de Nantes: Nantes. p. 256.
26. BENZEMEL, H., Écoulement dispersé dans un réacteur à boucle granularité et turbulence. 1999, Ecole centrale de Nantes: Nantes. p. 192.
27. BIENAIME, C., Modulation de la biosynthèse de métabolites secondaires d'intérêt par le confinement de micro-organismes filamenteux (*Fusarium moniliforme* et *Streptomyces* spp.). 1999, Université de Picardie Jules Verne. p. 268.
28. DESILLE, M., Etude fonctionnelle des hépatocytes de porc dans des billes d'alginate pour une utilisation dans un foie bioartificiel. 1999, Université de Rennes 1: Rennes.

Curriculum Vitae - Denis Poncelet

29. GUEN, S.L., Caractérisation de l'arôme des moules (*mytilus edulis*) par analyse sensorielle, chromatographique et olfactométrique. 2000, Université de Nantes, Faculté des Sciences et des Technologies: nantes. p. 217.
30. TAVEYLR.MHAZO, Application of carrageenan gel immobilisation to enhance the ecological competence of SACCHAROMYCES CEREVISIAE, in Department of Industrial Microbiology. 2000, University College Dublin.
31. HOUTEKINS-COSTE, n., Etude physico-chimique et mise sous forme nanoparticulaire d'un hydrogel binaire a base de carraghenanes et de caroxymethylcellulose. 2001, Université Montpellier I: Montpellier. p. 155.
32. CHAN, E.S., Stabilisation of probiotic bacteria. 2002, University of Birmingham: Birmingham. p. 170.
33. DAVID, B., Mise en place et validation d'un modèle in vitro pour l'étude des propriétés mécaniques, diffusives et métaboliques d'un Foie bioartificiel à lit fluidisé. 2002, Université de Technologie de Compiègne. p. 249.
34. MAHLER, S., Conservation par congélation ou hypothermie d'hépatocytes immobilisés dans un gel d'alginate en vue d'une utilisation pour la suppléance hépatique extracorporelle (foie bioartificiel). 2002, Université de Rennes I: Rennes. p. 118.
35. PICOT, A., Développement et validation expérimentale d'une nouvelle technologie de stabilisation de cultures bactériennes probiotiques basée sur la microencapsulation., in Département des Sciences des Aliments et de Nutrition. 2002, Faculté des Sciences de l'agriculture et de l'alimentation Université Laval: Québec.
36. GRATTARD, N., Influence de la structure et de la mobilité moléculaire de matrices polysaccharidiques peu hydratées, sur la stabilité chimique ou la libération de substances encapsulées. 2003, Université de Bourgogne
37. LAZKO, J., Etude des mécanismes et des procédés de formation des microcapsules à partir des protéines végétales. 2004, Université de Nantes, Ecole polytechnique de l'université de Nantes. p. 251
38. CALDERONE, M., Etude de la microencapsulation de particules fines par fluide supercritique : mise au point, validation et compréhension phénoménologique d'un nouveau procédé. 2005, Ecole des Mines de Paris: Paris. p. 314.
39. VERVOORT, S., Comportement d'hydrogels gonflés de solutions de polymères sous action mécanique. 2006, Ecole des Mines de Paris: Sofia-Antipolis. p. 194.
40. MEUNIER, J.-P., Développement de phytomolécules microencapsulées comme additifs alimentaires pour les porcs en croissance "Utilisation de méthodes in vitro", in Faculté de Pharmacie. 2007, Université Blais Pascal, Université d'Auvergne: Auvergne. p. 210.
41. WAWREZINIECK, A. Elaboration d'un vecteur pharmaceutique complexe pour l'administration par voie orale d'un peptide protecteur contre le lupus érythémateux disséminé 2007, Université Louis Pasteur, p216
42. DUBOIS, V. Etablissement et stabilisation d'une formulation lipidique équilibré nutritionnellement. 2007. Institut Polytechnique de Lorraine, p. 299.
43. SMOLA, M. Contribution à l'étude de la formulation et de l'analyse physicochimique de formulations pédiatriques microémulsionnées. 2007. Université Louis Pasteur. p. 32

ARTICLES IN INTERNATIONAL JOURNALS

1. Poncelet, D., A. Pauss, H. Naveau, J.M. Frère, and E.J. Nyns, Computation of Physicochemical Parameters, i.a. pH, in Complex (Bio)chemical systems. *Analytical Biochemistry*, 1985. 150: p. 421-428.
2. Poncelet, D., R. Binot, T. Bol, H. Naveau, and E.-J. Nyns, Biotechnology of Fluidised Beds in Tapered and Cylindrical Reactors (part one). *La Tribune du CEBEDEAU*, 1985. 38(494): p. 3-12.
3. Poncelet, D., R. Binot, T. Bol, H. Naveau, and E.-J. Nyns, Biotechnology of Fluidised Beds in Tapered and Cylindrical Reactors (part two). *La Tribune du CEBEDEAU*, 1985. 38(497): p. 33-38.
4. Poncelet, D. and R.J. Neufeld, Shear Breakage of Nylon Membrane Microcapsules in a Turbine Reactor. *Biotechnology and Bioengineering*, 1989. 33: p. 95-103.
5. Poncelet, D., A. Pauss, H. Naveau, J.-F. Frère, and E.-J. Nyns, Computation of Physicochemical Parameters, namely pH, in Complex (Bio)Chemical Systems: Extension to Gas-Liquid System. *Analytical Biochemistry*, 1989. 181: p. 220-226.
6. Poncelet De Smet, B., D. Poncelet, and R.J. Neufeld, Control of Mean Diameter and Size Distribution during Formulation of Microcapsules with Cellulose Nitrate Membranes. *Enzyme and Microbial Technology*, 1989. 11(January): p. 29-37.
7. Poncelet, d.S.B., D. Poncelet, and R.J. Neufeld, Preparation of hemolysate-filled hexamethylene sebacamide microcapsules with controlled diameter. *The Canadian Journal of Chemical Engineering*, 1990. 68(3): p. 443-448.
8. Poncelet, D., H. Naveau, E.-J. Nyns, and D. Dochain, Transient Response of a (Biological) Solid-Liquid Fluidised Bed to a Step Change in Fluid Superficial Velocity. *Journal of Chemical Technology and Biotechnology*, 1990. 48: p. 439-452.
9. Poncelet, D., B. Poncelet De Smet, and R.J. Neufeld, Nylon Membrane Formation in Biocatalyst Microencapsulation: Physicochemical Modelling. *Journal of Membrane Science*, 1990. 50: p. 249-267.
10. Poncelet De Smet, B., D. Poncelet, and R.J. Neufeld, Preparation of Hemolysate-filled Hexamethylene Sebacamide Microcapsules with Controlled Diameter. *The Canadian Journal of Chemical Engineering*, 1990. 68: p. 443-448.
11. Champagne, C.P., C. Gaudy, D. Poncelet, and R.J. Neufeld, *Lactococcus lactis* cell release from calcium alginate beads. *Applied and Environmental Microbiology*, 1992. 58(5): p. 1429-1434.
12. Poncelet, D., R. Lencki, C. Beaulieu, J.P. Hallé, R.J. Neufeld, and A. Fournier, Production of Alginate Beads by Emulsification/Internal Gelation: I Methodology. *Applied Microbiology and Biotechnology*, 1992. 38: p. 39-45.
13. Vivier, A., J.C. Vuilleumard, H.-W. Ackermann, and D. Poncelet, Large scale blood substitute Production Using Microfluidizer. *Biomaterial Artificial Cell and Immobilization Biotechnology*, 1992. 20(2): p. 201-208.

Curriculum Vitae - Denis Poncelet

14. Groboillot, A., C.P. Champagne, G.D. Darling, D. Poncelet, and R.J. Neufeld, Membrane Formation by Interfacial Cross-linking of Chitosan for Microencapsulation of *Lactococcus lactis*. *Biotechnology and Bioengineering*, 1993. 42: p. 1157-1163.
15. Hyndman, C.L., A. Groboillot, D. Poncelet, C. Champagne, and R.J. Neufeld, Microencapsulation of *Lactococcus lactis* susp. *cremoris* within Cross-linked Gelatin Microcapsules. *Journal of Chemical Technology and Biotechnology*, 1993. 56: p. 259-263.
16. Poncelet, D., R. Leung, L. Centomo, and R.J. Neufeld, Microencapsulation of Silicones Oils within Polyamide-Polyethylene Membranes as Oxygen Carriers for Bioreactor oxygenation. *Journal of Chemical Technology and Biotechnology*, 1993. 57: p. 253-263.
17. Poncelet, D., Bioencapsulation Research Group and Its Activities. *Biomaterials Artificial Cells and Immobilization Biotechnology*, 1993. 21(3): p. R7-R7.
18. Bugarski, B., B. Amsdem, R.J. Neufeld, D. Poncelet, and M.F.A. Goosen, Effect of Electrode Geometry and Charge on the production of Polymer Microbeads by Electrostatics. *The Canadian Journal of Chemical Engineering*, 1994. 72(June): p. 517-521.
19. Bugarski, B., Q. Li, M.F.A. Goosen, D. Poncelet, R.J. Neufeld, and G. Vunkak, Electrostatic Droplet Generation: Mechanism of Polymer Droplet Formation. *AIChE Journal*, 1994. 40(6): p. 1026-1031.
20. Groboillot, A., D.K. Boadi, D. Poncelet, and R.J. Neufeld, Immobilization of Cells for Application in the Food Industry. *Critical Reviews in Biotechnology*, 1994. 14(2): p. 75-107.
21. Huguet, M.L., A. Groboillot, R.J. Neufeld, D. Poncelet, and E. Dellacherie, Hemoglobin encapsulation in chitosan/calcium alginate beads. *Journal of Applied Polymer Science*, 1994. 51: p. 1427-1432.
22. Larisch, B.C., D. Poncelet, R.J. Neufeld, and C.P. Champagne, Microencapsulation of *Lactococcus lactis* susp. *cremoris*. *Journal of Microencapsulation*, 1994. 11(2): p. 189-195.
23. Lévy, M.C. and P. D., Bio-Encapsulation, les Technologies. *Biofutur*, 1994. 132(Mars): p. 16-21.
24. Poncelet, D., B. Bugarski, B.G. Amsdem, J. Zhu, R.J. Neufeld, and M.F.A. Goosen, A Parallel Plate Electrostatic Droplet Generator: Parameters Affecting Microbead Size. *Applied Microbiology and Biotechnology*, 1994. 42: p. 251-255.
25. Poncelet, D., T. Alexakis, B. Poncelet De Smet, and R.J. Neufeld, Microencapsulation within Cross-linked Polyethyleneimine Membranes. *Journal of Microencapsulation*, 1994. 11(1): p. 31-40.
26. Alexakis, T., et al., Microencapsulation of DNA within alginate microspheres and cross-linked chitosan membranes for in vivo application. *Applied Biochemistry and Biotechnology*, 1995. 50(1): p. 93-106.
27. Poncelet, D., B. Poncelet De Smet, C. Beaulieu, M.L. Huguet, A. Fournier, and R.J. Neufeld, Production of alginate Beads by Emulsification/Internal Gelation II: physicochemistry. *Applied Microbiology and Biotechnology*, 1995. 43: p. 644-650.
28. Poncelet, D. and R.J. Neufeld, Fundamentals of dispersion in encapsulation technology. *Progress in Biotechnology (International Symposium on Immobilized cells: Basics and applications, Wijffels, R.H., Buitelaar, R.M., Bucke, C. and Tramper, J. (eds) Noordwijkerhout, Netherlands November 26-29,1995)*, 1995. 11: p. 47-54.

Curriculum Vitae - Denis Poncelet

29. Quong, D., I.K. O'Neill, D. Poncelet, and R.J. Neufeld, Gastrointestinal protection of cellular component DNA within an artificial cell system for environmental carcinogen biomonitoring. *Progress in biotechnology (International Symposium on Immobilized cells: Basics and applications, Wijffels, R.H., Buitelaar, R.M., Bucke, C. and Tramper, J. (eds) Noordwijkerhout, Netherlands November 26-29,1995)*, 1995. 11: p. 814-820.
30. Sun, Z.M., D. Poncelet, J. Conway, and R.J. Neufeld, Microencapsulation of lobster carotenoids within poly(vinyl alcohol) and poly(D,L-lactic acid) membranes. *Journal of Microencapsulation*, 1995. 12(5): p. 495-504.
31. Quong, D., I.K. O'Neill, D. Poncelet, and R.J. Neufeld, Gastrointestinal protection of cellular component DNA within an artificial cell system for environmental carcinogen biomonitoring. *Progress in Biotechnology vol 11 (International Symposium on Immobilized cells: Basics and applications, Wijffels, R.H., Buitelaar, R.M., Bucke, C. and Tramper, J. (eds) Noordwijkerhout, Netherlands November 26-29,1995)*, 1996: p. 814-820.
32. Reparet, J.M., J. Scher, J.P. Ramet, and D. Poncelet, Acceleration of cheese ripening with enzymes encapsulated in alginate beads. *Récent Progrès en Génie des Procédés*, 1996. 10(40): p. 93-98.
33. Leung, R., D. Poncelet, and R.J. Neufeld, Enhancement of oxygen Transfert Rate Using Microencapsulated Silicone Oils as Oxygen Carriers. *Journal of Chemical Technology and Biotechnology*, 1997. 68: p. 37-46.
34. Markvicheva, E., et al., Immobilized thrombin as a promising system for wound healing. *European Journal of Cell Biology*, 1997. 72: p. 322-322.
35. Perols, C., B. Piffaut, J. Scher, J.P. Ramet, and D. Poncelet, The potential of enzyme entrapment in konjac cold-melting gel beads. *Enzyme and Microbial Technology*, 1997. 20(1): p. 57-60.
36. Quong, D., R.J. Neufeld, G. SkjakBraek, and D. Poncelet, External versus internal source of calcium during the gelation of alginate beads for DNA encapsulation. *Biotechnology and Bioengineering*, 1998. 57(4): p. 438-446.
37. Dulieu, C. and D. Poncelet, Spectrophotometric assay of a-acetolactate decarboxylase. *Enzyme and Microbial Technology*, 1999. 25(6): p. 537-542.
38. Poncelet, D., V.G. Babak, R.J. Neufeld, M.F.A. Goosen, and B. Burgarski, Theory of electrostatic dispersion of polymer solution in the production of microgel beads containing biocatalyst. *Advance Colloid Interface Sciences*, 1999. 79(2-3): p. 213-228.
39. Poncelet, D., R.J. Neufeld, M.F.A. Goosen, B. Burgarski, and V. Babak, Formation of microgel beads by electric dispersion of polymer solutions. *AIChE Journal*, 1999. 45(9): p. 2018-2023.
40. Poncelet, D., V. Babak, C. Dulieu, and A. Picot, A physico-chemical approach to production of alginate beads by emulsification-internal ionotropic gelation. *Colloids and Surfaces: a Physicochemical and Engineering Aspects*, 1999. 155(2-3): p. 171-176.
41. Poncelet, D., V. Babak, C. Dulieu, and A. Picot, A physico-chemical approach to production of alginate beads by emulsification-internal ionotropic gelation. *Colloids and Surfaces a- Physicochemical and Engineering Aspects*, 1999. 155(2-3): p. 171-176.
42. Dulieu, C., M. Moll, and D. Poncelet, Improved performances and control of beer fermentation using encapsulated a-acetolactate decarboxylase and modelling. *Biotechnology Progress*, 2000. accepted.

Curriculum Vitae - Denis Poncelet

43. Jacquot, M., A.M. Revol-Junelles, J.B. Millière, A. Miclo, and D. Poncelet, Anti Listeria monocytogenes activity of the lactoperoxidase system (LPS) using encapsulated substrate. *Minerva Biotechnologica*, 2000. 12(4): p. 301-304.
44. Markvicheva, E.A., et al., Immobilized enzymes and cells in poly(N-vinyl caprolactam)-based hydrogels : preparation, properties, and applications in biotechnology and medicine. *Applied Biochemistry and Biotechnology*, 2000. 88((1-3)): p. 145-157.
45. Jacquot, M. and D. Poncelet, Combined enzyme substrates in a single bead for antibacterial agent production on food. *Abstracts of Papers of the American Chemical Society*, 2001. 221: p. U41-U41.
46. Poncelet, D., Production of Alginate Beads by Emulsification/Internal Gelation. *Annals of the New York Academy of Sciences*, 2001. 944: p. 74-82.
47. Teunou, E. and D. Poncelet, Challenge : réduire les coûts de l'enrobage (Le lit fluidisé continu). *Process*, 2001. 1168: p. 98-100.
48. El mafadi, S., M. Hayert, and D. Poncelet, Particle motion in the Wurster coating process. *Glatt International Times*, 2002. 14: p. 10-11.
49. Ivanova, E., V. Chipeva, I. Ivanova, X. Dousset, and D. Poncelet, Encapsulation of lactic acid bacteria in calcium alginate beads for bacteriocin production. *Journal of Culture collections*, 2002. 3: p. 53-58.
50. Jacquot, M., A.M. Revol-Junelles, J.B. Millière, A. Miclo, and D. Poncelet, Physicochemical characterisation of the lactoperoxidase system (LPS) system powders : comparison of the two drying techniques. *Powder technology*, 2002. 128: p. 205-212.
51. Jouzel, B., A.L. Pennarun, C. Prost, D. Renard, D. Poncelet, and M. Demainay, Encapsulation of the eicosapentaenoic acid acid to study the crassostrea gigas oyster flavour. *Journal of Microencapsulation*, 2002. 20(1): p. 35-46.
52. Lewiska, D., S. Rosinki, D. Hunkeler, D. Poncelet, and A. Werynski, Mass transfer coefficient in characterization of gel bead and microcapsules. *Journal of Membrane Sciences*, 2002. 209: p. 533-540.
53. Poncelet, D., E. Teunou, D. Desrumeaux, and D. Della Valle, Emulsification and microencapsulation : State of the art, Pratical aspects of encapsulation Technologies. *Laudbauforschung Völkenrode*, 2002. 241: p. 27-32.
54. Rosinski, S., et al., Characterization of microcapsules : round-robin testing. *Journal of Microencapsulation*, 2002. 19: p. 641-659.
55. Teunou, E. and D. Poncelet, Batch and continous fluid bed coating - review and state of art. *Journal of Food Engineering*, 2002. 53(4): p. 325.
56. El mafadi, S., M. Hayert, and D. Poncelet, Fluidization control in the Wurster coating process. *Journal of Chemistry, Chemical Engineering and Technology*, 2003. 57(12): p. 641-644.
57. Perneti, M., D. Poncelet, G. Thouand, V. Annesini, and L. Merli, Characterization of agarose as immobilization matrix model for a microbial biosensor. *Chemical Industry*, 2003. 57(12): p. 600-604.
58. Belyaeva, E., D. Della Valle, and D. Poncelet, Immobilization of alpha-chymotrypsin in K-carrageenan beads prepared with static mixer. *Enzyme and Microbial Technology*, 2004. 34: p. 108-113.

Curriculum Vitae - Denis Poncelet

59. Belyaeva, E., D. Della Valle, and D. Poncelet, New approach to the formulation of hydrogel beads by emulsification/thermal gelation using a static mixer. *Chemical Engineering Sciences*, 2004. 59: p. 2913-2920.
60. Decamps, C., S. Norton, D. Poncelet, and R.J. Neufeld Continuous process for the pilot plant scale immobilization of yeast in K-carrageenan gel beads. *AIChE Journal*, 2004. 50(7): p. 1599-1605.
61. Raymond, M.-C., R.J. Neufeld, and D. Poncelet, Encapsulation of brewers yeast in chitosan coated carrageenan microspheres by emulsification/thermal gelation. *Artificial Cells, Blood Substitutes and Immobilization Biotechnology*, 2004. 32(2): p. 275-291.
62. Ivanova, E., E. Teunou, and D. Poncelet, Encapsulation of water sensitive product : Effectiveness and assessment of fluid bed dry coating. *Journal of food engineering*, 2005. 71(223-230).
63. Teunou, E. and D. Poncelet, Rotary disk atomisation for microencapsulation applications – Prediction of the particle travel from the wheel. *Journal of food engineering*, 2005. 71: p. 345-353.
64. El mafadi, S., A. Picot, and D. Poncelet, Modification/Improvement of the Wurster process for drying or coating sensitive bioactive materials. *Minerva Biotechnologica*, 2006. 18: p. 1450-MB.
65. El mafadi, S., M. Hayert, and D. Poncelet, Particle trajectories and residence time in the Wurster coating process. *Powder Technology*, 2006. submitted.
66. Perneti, M., M.C. Annesini, C. Merli, G. Thouand, and D. Poncelet, Bacteria Immobilization for a bioluminescent biosensor. *Minerva Biotechnologica*, 2006. 18(1): p. 51-56.
67. Poncelet, D., Microencapsulation: Fundamentals, methods and applications. *Surface Chemistry in Biomedical and Environmental Science*, 2006. 228: p. 23-34.
68. Poncelet, D., Life is based on a combination of biochemistry and bioencapsulation. *Tropical Journal of Pharmaceutical Research*, 2007. 6: p. 685-686.
69. Poncelet, D. and B. Boh, Microcapsule Delivery. *Chemistry & Industry*, 2008. January: p. 23-25.
70. Prusse, U., et al., Comparison of different technologies for alginate beads production. *Chemical Papers*, 2008. 62(4): p. 364-374.
71. Li, M., O. Rouaud, and D. Poncelet, Microencapsulation by solvent evaporation: state of the art for process engineering approaches. *International Journal of Pharmaceutics*, 2009. accepted (available electronically)
72. Chan, E.S., B.B. Lee, P. Ravindra, and D. Poncelet, Shape and size analysis of ca-alginate particles produced through extrusion-dripping method. 2009 *Chemical Engineering Science* Submitted
73. Jegannathan, K. Raman, E.-S. Chan, S. Abang, D. Poncelet, and P. Ravindra, Production of Biodiesel using Immobilized Lipase - A Critical review. 2009. *Critical Review in Biotechnology* Submitted.
74. Ongmayeb, G. and D. Poncelet, Reaction conditions to form capsules with a polyscharride by cross-linking. *Reactive and functional polymers*, 2009. Submitted.

EDITION OF BOOKS AND SPECIAL ISSUES

1. Poncelet, D., ed. Dossier Spécial : Bioencapsulation. Biofutur. Vol. March. 1994.
2. Poncelet, D. and M. Lievremont, eds. Bioencapsulation a Key for the Bioindustries. Biomaterials, Artificial Cells and Immobilization Biotechnology. Vol. 21 (2). 1993.
3. Vandamme, T., D. Poncelet, and P. Subra, eds. Technologies d'encapsulation. 2007, Lavoisier: Cachan, France.

BOOK CHAPTERS

1. Poncelet, D., et al., Performances and Morphology of Active Biomass in Fluidised Bed of Cells Immobilised on Microcarrier, in Use of Fixed Biomass for Water and Wastewater Treatment. 1984, CEBEDOC: Liège. Belgium. p. 253-274.
2. Poncelet, D., et al., Scale-up of Gel Bead and Microcapsule Production in Cell Immobilization, in Fundamentals of Animal Cell Encapsulation and Immobilization, M.F.A. Goosen, Editor. 1993, CRC Press: Boca Raton, Ann Arbor, Florida, USA. p. 113-142.
3. Poncelet De Smet, B., R.J. Neufeld, and D. Poncelet, Emerging Techniques, Materials, and Applications in Cell Immobilization, in Fundamentals of Animal Cell Encapsulation and Immobilization, M.F.A. Goosen, Editor. 1993, CRC Press: Boca Raton, Ann Arbor, Florida, USA. p. 297-314.
4. Quong, D., et al., Microencapsulation within cross-linked Chitosan membranes, in Chitin Handbook, R.A.A. Muzzarelli and M.G. Peter, Editors. 1997, European Chitin Society. p. 405-410.
5. Dulieu, C., D. Poncelet, and R. Neufeld, Encapsulation and immobilisation techniques, in Handbook of cell encapsulation technology and therapeutics, W. Kühtreibern, R. Lanza, and W. Chick, Editors. 1999, Birkhäuser ans Springer-Verlag: Boston, USA. p. 3-17.
6. Poncelet, D., et al., Immobilisation at large scale by dispersion, in Immobilized cells, R. Wijffels, Editor. 2000, Springer Lab Manual: Heidelberg, Germany. p. 139-149.
7. Poncelet, D., C. Dulieu, and M. Jacquot, Description of the immobilisation procedures, in Immobilized cells, R. Wijffels, Editor. 2000, Springer Lab Manual: Heidelberg, Germany. p. 15-30.
8. Poncelet, D. and E. Markvicheva, Microencapsulation & alginate, in Microencapsulation of Food Ingredients, B. Per Vilstrup, Editor. 2000, Leatherhead Food RA: Leatherhead, UK.
9. Teunou, E. and D. Poncelet, Instantaneisation des poudres, in Technologie des pulvérulents dans l'industries alimentaires et agricoles, J.P.M.a.J.L. Ilari, Editor. 2003, Lavoisier - Tech& Doc. p. 609-619.
10. Bugarski, B., et al., Immobilization of cells and enzymes using electrostatic droplet generation, in Fundamentals of Cell Immobilisation Biotechnology (Focus on Biotechnology Series), V. Nedovic and R. Willaert, Editors. 2004, Kluwer Academic Publishers, Dordrecht. p. 277-294.

Curriculum Vitae - Denis Poncelet

11. Ivanova, E., E. Teunou, and D. Poncelet, Alginate based macrocapsules as inoculants carriers for production of nitrogen fixing biofertilizers., in Focus on Biotechnology, W.R. Nedovic V., Editor. 2004.
12. Neufeld, R. and D. Poncelet, Industrial scale encapsulation of cells using emulsification/dispersion technologies, in Fundamentals of Cell Immobilisation Biotechnology (Focus on Biotechnology Series), V. Nedovic and R. Willaert, Editors. 2004, Kluwer Academic Publishers, Dordrecht. p. 311-324.
13. Teunou, E., Poncelet, D., Fluid bed coating, in Encapsulated and Food powders, C. Onwulata and R. Konstance, Editors. 2004, Marcel Dekkers, N.Y., USA. p. 197-214.
14. Teunou, E. and D. Poncelet, Dry coating, in Encapsulated and Food powders, C. Onwulata and R. Konstance, Editors. 2004, Marcel Dekkers, N.Y., USA. p. 179-196.
15. Yi, Y., R.J. Neufeld, and D. Poncelet, Cell immobilization in polysaccharide gels, in Polysaccharides: structural diversity and functional versatility, 2nd edition, S. Dimitriu, Editor. 2005, Marcel Dekker, Inc., NY.
16. Denis Poncelet¹ and Susan K. Tam² Encapsulation technologies for a bioartificial endocrine pancreas in J.P. Hallé, P. de Vos and L. Rosenberg (Eds) The bioartificial endocrine pancreas, 2008, Research Signpost, Kerala, India
17. A. Nezzale, F. Depeyre, K. Dewetting, D. Poncelet Fluidisation in J. Fitzpatrick (ed) Particle & Powder Technology for Process Engineers and Technologists 2008 Springer, N;Y.
18. A.S. Prata, F. Depeyre, S. Elmafadi, K. Dewetting, D. Poncelet Particle coating in J. Fitzpatrick (ed) Particle & Powder Technology for Process Engineers and Technologists 2008 Springer, N;Y.

CONFERENCES

1. Poncelet, D., et al. Physicochemical Modelling of Complex Anaerobic Ecosystems. in Pasteur Bioscience 83. 1983. Paris, France.
2. Poncelet, D., et al. Performances and Morphology of Active Biomass in Fluidised Bed of Cells Immobilised on Microcarrier. in The Fixed Biomass in the Treatment of Water. 1984.
3. Poncelet, D., et al. Rational Tool for the Determination of pH and Some Other Physicochemical Parameters of Mixtures of Acid-Base Couples in Complex Fermentation Media. in Third European Congress of Biotechnology. 1984. Munich, R.F.A.
4. Poncelet, D., et al. Rational Tool for the Determination of pH and Some Other Physicochemical Parameters of Mixtures of Acid-Base Couples. in SFC84 Société Française de Chimie. 1984. Nancy, France.
5. Dochain, D., et al. Computer Control and Monitoring of Anaerobic Waste Water Treatment. in E.W.P.A. Conference on Anaerobic Waste Water Treatment. 1986. Amstaerdam, The Netherlands.
6. Poncelet, D. and R.J. Neufeld. Breakage Control of Enzyme Microcapsules in Turbine Reactor. in 37th Canadian Chemical Engineering Conference. 1987. Montreal, Quebec, Canada.

Curriculum Vitae - Denis Poncelet

7. Larisch, B.C., et al. Microencapsulation of Bacteria for Application in Food Science. in 38th Canadian Chemical Engineering Conference. 1988. Edmonton, Canada.
8. Poncelet, D., B. Poncelet De Smet, and R.J. Neufeld. Mass Transfer in Nylon Membrane Bound Microcapsules. in 38th Can Chem Eng Conf., 1988. Edmonton, Canada.
9. Poncelet, D., B. Poncelet De Smet, and R.J. Neufeld. Mass Transfer in Nylon Membrane Bound Microcapsules. in 8th International Biotechnology Conference. 1988. Paris, France.
10. Poncelet, D., B. Poncelet De Smet, and R.J. Neufeld. Engineering Problems in the Development of Microencapsulated Enzyme and Cell Systems. in 38th Canadian Chemical Engineering Conference. 1988. Edmonton, Canada.
11. Poncelet De Smet, B., D. Poncelet, and R.J. Neufeld. Control of Mean Diameter and Size Distribution during Formulation of Membrane Bound Enzyme Microcapsules. in 8th International Biotechnology Conference. 1988. Paris, France.
12. Larisch, B.C., et al. Microencapsulation of Lactic Acid Bacteria for Application in Food Science. in 39th Canadian Chemical Conference. 1989. Hamilton, Ontario, Canada.
13. Hyndman, C.L., D. Poncelet, and R.J. Neufeld. Encapsulation of Lactic Bacteria for Dairy Industry Application. in 40th Canadian Chemical Engineering Conference & 73rd Canadian Chemical Conference. 1990. Halifax, New Brunswick, Canada.
14. Poncelet, D., L. Centomo, and R.J. Neufeld. Oxygenation of Bioreactor by Microencapsulated Oxygen Carrier. in 7th Symposium on Microencapsulation. 1990. Glasgow, Scotland.
15. Poncelet, D. and R.J. Neufeld. Nylon Membrane Bound Microcapsules as Model Systems for Characterizing Shear Effects in a Turbine Reactor. in OHOLO Conference. 1990. Eilat, Israel.
16. Poncelet, D., L. Centomo, and R.J. Neufeld. Oxygenation of Bioreactor by Microencapsulated Oxygen Carrier. in 40th Canadian Chemical Engineering Conference & 73rd Canadian Chemical Conference. 1990. Halifax, New Brunswick, Canada.
17. Groboillot, A., et al. Chitosan Microcapsules Obtained by Interfacial Cross-Linking : Application to Lactic Acid Bacteria Immobilization. in Bioencapsulation 1 : A Key to the Biotechnology. 1991. Pointe-Claire, Quebec, Canada.
18. Groboillot, A., et al. Chitosan Microcapsules Obtained by Interfacial Cross-Linking : Application to Lactic Acid Bacteria Immobilization. in 41st Canadian Chemical Engineering Conference. 1991. Vancouver, Canada.
19. Poncelet, D., et al. Large Scale Production of Alginate Beads. in Bioencapsulation 1 : A Key to the Biotechnology. 1991. Pointe-Claire, Quebec, Canada.
20. Vivier, A., et al. Large Scale Blood Substitute Production Using Microfluidizer. in IV International Symposium on Blood Substitutes. 1991.
21. Vivier, A., et al. Large Scale Production of Liposomes with High Protein Contents. in 1st Regional Congress on Biotechnology. 1991. Teheran, Iran.
22. Alexakis, T., et al. Microencapsulation of DNA for the Entrapment of Environmental Carcinogens. in Bioencapsulation II, A Key to the Bioindustries. 1992. Cachan, France.
23. Leung, R., et al. Enhancement of Oxygen Transfert Rate Using Microencapsulated Silicone Oils as Oxygen Carriers. in Bioencapsulation II, A Key to the Bioindustries. 1992. Cachan, France.

Curriculum Vitae - Denis Poncelet

24. Nicolainas, C., et al. Production of Alginate Beads Using Emulsification/Internal Gelation. in Bioencapsulation II, A Key to the Bioindustries. 1992. Cachan, France.
25. Zhou, Y., et al. Entrapment of Lactic Acid Bacteria in Ca-Alginate : Cell Release. in Bioencapsulation II, A Key to the Bioindustries. 1992. Cachan, France.
26. Huguet, M.L., et al. Hemoglobin Encapsulation in Chitosan/Calcium Alginate Beads. in Bioencapsulation III : The Reality of a New Industrial Tool. 1993. Brussels, Belgium.
27. Neufeld, R.J., et al. Production of Alginate Microspheres by Emulsification/Internal Gelation Active Materials. in Bioencapsulation III, the Reality of a New Industrial Tool. 1993. Brussels, Belgium.
28. O'Neill, I., et al. In vivo Entrapment of Carcinogen Metabolites by Microencapsulated Targets in Assessing Cancer Chemoprevention by Dietary Changes. in Bioencapsulation III, the Reality of a New Industrial Tool. 1993. Brussels, Belgium.
29. Boadi, D.K., et al. Prediction of Microsphere Mean Diameter during Formulation by Emulsification/Internal Gelation. in Internal Workshop Bioencapsulation IV. 1994. Laval University, Quebec, Canada.
30. Huguet, M.L., et al. Release of Various Molecules out of Calcium Alginate Beads Coated with Chitosan. Effect of their Molecular Weight and of their Structural and Chemical Properties. in Internal Workshop Bioencapsulation IV. 1994. Laval University, Quebec, Canada.
31. Poncelet, D. Synthèse des applications de libération modifié en Agrochimie et Agro-alimentaires. in Libération modifiée en Agrochimie et Agroalimentaire : similitudes et différence avec la pharmacie. 1994. Paris, France: Club de Libération Modifiée.
32. Quong, D., et al. DNA Immobilization for Application in the Biomonitoring of Carcinogens in the Gastro-intestinal tract. in Internal Workshop Bioencapsulation IV. 1994. Laval University, Quebec, Canada.
33. Pauss, A. and D. Poncelet. Computation of pH, in Complex Medium using Simple Method. in 7th MIEC. 1995. Dijon, France.
34. Poncelet, D. Les techniques de bioencapsulation du laboratoire à l'échelle industrielle. in Stabilisation par enrobage et microencapsulation. 1995. Avignon, France: Archimex, Vannes, France.
35. Babak, V. and D. Poncelet. Colloid aspects of microencapsulation technology. in International Workshop Bioencapsulation V. 1996. Postdam University, Postdam, Germany.
36. Dulieu, C., P. Boivin, and D. Poncelet. Immobilized Enzyme System to avoid Diacetyl. in International Workshop Bioencapsulation V. 1996. Postdam University, Postdam, Germany.
37. Dulieu, C., P. Boivin, and D. Poncelet. Immobilized Enzyme System to avoid Diacetyl. in Le futur des Biotechnologies dans la filière Orge-Malt-Bière. 1996. ENSAIA, Nancy, France.
38. Markvicheva, E., et al. Bioencapsulated thrombin as controlled delivery device for wound healing. in International Workshop Bioencapsulation V. 1996. Postdam University, Postdam, Germany.
39. Poncelet, D. Microsphère of Hydrogels. in Intensive course on Microencapsulation (Erasmus ICP-95-P-3017/12). 1996. Nancy, France: Université de Nancy, France.

Curriculum Vitae - Denis Poncelet

40. Quong, D., et al. External versus internal source of calcium for the gelation of alginate beads to protect DNA in vivo. in International Workshop Bioencapsulation V. 1996. Postdam University, Postdam, Germany.
41. Dulieu, C., et al. Encapsulation of acetolactate decarboxylase to avoid diacetyl formation. in 26th International European Brewery Convention Congress. 1997. Maastricht, The Netherlands.
42. Dulieu, C., H. Dautzenberg, and D. Poncelet. Immobilized Enzyme System as a tool for beer maturation. in International Workshop Bioencapsulation VI. 1997. Barcelona Autonomia University, Barcelona, Spain.
43. Poncelet, D., C. Dulieu, and R. Neufeld. Fundamentals of the dispersion into encapsulation technologies. in 11th International Symposium of Microencapsulation. 1997. Bangkok, Thailand.
44. Poncelet, D., et al. Production of alginate beads by emulsification-internal ionotropic gelation. in 2nd World Congress on Emulsion. 1997. Bordeaux, France.
45. Poncelet, D., et al. Production of alginate beads by emulsification-internal ionotropic gelation. in 11th International Symposium of Microencapsulation. 1997. Bangkok, Thailand.
46. Poncelet, D., C. Dulieu, and R. Neufeld. Fundamentals of the dispersion into encapsulation technologies. in International Workshop Bioencapsulation VI. 1997. Barcelona Autonomia University, Barcelona, Spain.
47. Poncelet, D., et al. Formation of microgel beads containing biocatalyst by electric dispersion of polymer solutions. in International Workshop Bioencapsulation VI. 1997. Barcelona Autonomia University, Barcelona, Spain.
48. Poncelet, D. and C. Dulieu. Immobilization of cells. in 4th International Symposium on Biomedical Science and Technology. 1997. Istanbul, Turkey.
49. Poncelet, D. Fundamentals of dispersion in encapsulated technology. in International Symposium on "Medical applications of artificial membranes, immunoprotection of cells and bioartificial organs". 1997. Warsaw, Poland: International Centre of Biocybernetics (WHO), Warsaw, Poland.
50. Poncelet, D. Microencapsulation, nutrition et produits alimentaires. in Les Aliments santé : quels enjeux pour demain ? 1997. Nancy, France.
51. Poncelet, D. Les techniques de bioencapsulation du laboratoire à l'échelle industrielle. in Enrobage et microencapsulation. 1997. Paris, France: Archimex, Vannes, France.
52. Poncelet, D. Application of Microencapsulation in Food and Feed and related industries. in Glatt Symposium 1997. 1997. Marseille, France: Glatt International, Binzen, Germany.
53. Dulieu, C., M. Moll, and D. Poncelet. Control of beer fermentation using encapsulated alpha-acetolactate decarboxylase and modelling. in International Workshop Bioencapsulation VII. 1998. Easton, U.S.A.
54. Krier, F., S. Martin, and D. Poncelet. Production of bacteriocins using calcium alginate-immobilized lactic bacteria. in International Workshop Bioencapsulation VII. 1998. Easton, U.S.A.

Curriculum Vitae - Denis Poncelet

55. Kuncova, G., et al. Alginate beads coated with silica layer prepared by sol-gel technique. Application in optical detection of polychlorinated biphenyls. in International Workshop Bioencapsulation VII. 1998. Easton, U.S.A.
56. Poncelet, D. Bioencapsulation (enzymes, cells ...). in L'Encapsulation et ses applications en bio-industries. 1998. Paris, France.
57. Poncelet, D. Les techniques de bioencapsulation du laboratoire à l'échelle industrielle. in L'Encapsulation et ses applications en bio-industries. 1998. Paris, France.
58. Poncelet, D.c. Pelletizing by hot melt extrusion. in Hot melt Techniques. 1998. Binzen, Germany: Technology Training Center, Binzen, Germany.
59. Varlamova, E.A., et al. Method of measurement of the elasticity modulus of gels beads to encapsulate living cells and enzymes. in International Conference on Colloid chemistry and Physical-Chemical Mechanics. 1998. Moscow, Russia.
60. Abramov, O.V., et al. Preparation and characterization of hydroxyapatite-alginate granules. in Applications of Power Ultrasound in Physical and Chemical Processing. 1999. Toulouse, France.
61. Kuncova, G., et al. Biodegradation of polychlorinated biphenyls by immobilized microorganisms. in Bioencapsulation VIII ; The Eight International Workshop on Bioencapsulation ; Recent progress in research and technology. 1999. Trondheim, Norway.
62. Poncelet, D. and C. Dulieu. Beer Fermentation using Encapsulated Enzyme. in The 26th International Symposium on Controlled Release of Bioactive Materials & The Second Conference on Consumer and Diversified Products. 1999. Boston, MA, U.S.A.: CRS Controlled Release Society, Inc.
63. Poncelet, D. Microgel beads by polymer solutions electric dispersion. in The 26th International Symposium on Controlled Release of Bioactive Materials & The Second Conference on Consumer and Diversified Products. 1999. Boston, MA, U.S.A.: CRS Controlled Release Society, Inc.
64. Poncelet, D., et al. Polyelectrolyte complex microcapsules and their mechanical resistance evaluation. in Bioencapsulation VIII ; The Eight International Workshop on Bioencapsulation ; Recent progress in research and technology. 1999. Trondheim, Norway.
65. Poncelet, D. Fundamentals of Biocatalyst Encapsulation. in 12th International Symposium on Microencapsulation. 1999. London, UK: International Microencapsulation Society.
66. Jacquot, M., A. Miclo, and D. Poncelet. Antibacterial activity of the lactoperoxidase/thiocyanate/hydrogen peroxide system (LPS) using encapsulated substrates. in Third Consumer & Diversified Products Conference (in The 27th International Symposium on Controlled Release of Bioactive Materials). 2000. Paris, France.
67. Poncelet, D. and M. Jacquot. Polyelectrolyte complex microcapsules and mechanical resistance. in Third Consumer & Diversified Products Conference (in The 27th International Symposium on Controlled Release of Bioactive Materials). 2000. Paris, France.
68. Poncelet, D. Internal Gelation of Alginate-Based Microcapsules. in Bioartificial Organs III Tissue Sourcing, Immunoisolation and Clinical Trials. 2000. Davos, Switzerland: United Engineering Foundation, USA.

Curriculum Vitae - Denis Poncelet

69. Poncelet, D. and M. Jacquot. Polyelectrolyte complex microcapsules and mechanical resistance. in Third Consumer & Diversified Products Conference (in The 27th International Symposium on Controlled Release of Bioactive Materials). 2000. Paris, France.
70. Ivanova, E., et al. Microencapsulation of Lactic Bacteria in calcium alginate beads for bacteriocin production. in International Workshop on Bioencapsulation. 2001. Warsaw, Poland: Bioencapsulation Research Group.
71. Ivanova, E., et al. Immobilisation of Lactic Bacteria in Calcium Alginate beads for Bacteriocin production. in 13th International Symposium on Microencapsulation. 2001. Angers, France.
72. Jacquot, M., A. Miclo, and D. Poncelet. Achievement of a single bead containing the lactoperoxidase system and its hydrogen peroxide generator. in International Workshop on Bioencapsulation. 2001. Warsaw, Poland: Bioencapsulation Research Group.
73. Jacquot, M., A. Miclo, and D. Poncelet. Physicochemical characterisation of powders obtained by two drying method allowing to activate the lactoperoxydase/thiocyanate/hydrogen peroxyde (LPS). in III Colloque Science et Technologie des Poudres. 2001. Nancy, France.
74. Kupsova, S., et al. Alginate-Chitosan Microcapsules for cultivation of animal cells. in International Workshop on Bioencapsulation. 2001. Warsaw, Poland: Bioencapsulation Research Group.
75. Chen, Y., E. Teunou, and D. Poncelet. Investigation of Flavour Encapsulation with Alginate-based Carriers. in Xth International Workshop on Bioencapsulation. 2002. Prague, Czech Republic: Bioencapsulation Research Group.
76. El Mafadi, S., M. Hayert, and D. Poncelet. Optimization of Wurster coating process : movement of particles. in Xth International Workshop on Bioencapsulation. 2002. Prague, Czech Republic: Bioencapsulation Research Group.
77. M., J., et al. Use of diffuse Reflectance Infrared Fournier Transform (DRIFT) spectroscopy to understand microbead internal organization. in Xth International Workshop on Bioencapsulation. 2002. Prague, Czech Republic: Bioencapsulation Research Group.
78. Belyaeva, E., D. Della Valle, and D. Poncelet. Different approach to the hydrogel beads preparation with a static mixer by emulsification/thermal gelation. in XIth International Workshop on Bioencapsulation. 2003. Strasbourg, France: Bioencapsulation Research Group.
79. Belyaeva, E., D. Della Valle, and D. Poncelet. Encapsulation of α -chymotrypsin in k-carrageenan beads produced with the static mixer. in XIth International Workshop on Bioencapsulation. 2003. Strasbourg, France: Bioencapsulation Research Group.
80. Belyaeva, E., D. Della Valle, and D. Poncelet. Different approach to the hydrogel beads preparation with a static mixer by emulsification/thermal gelation. in 9ème Congrès de la SFGP. 2003. Saint Nazaire, France: SFGP.
81. Belyaeva, E., D. Della Valle, and D. Poncelet. Encapsulation of α -chymotrypsin in k-carrageenan beads produced with the static mixer. in 9ème Congrès de la SFGP. 2003. Saint Nazaire, France: SFGP.
82. El mafadi, S., M. Hayert, and D. Poncelet. Optimisation of coating of particles in the Wurster process. in European Drying Symposuim. 2003. Héraklion, Cretia, Greece.

Curriculum Vitae - Denis Poncelet

83. Elmafadi, S., M. Hayert, and D. Poncelet. Hydrodynamics of the Wurster coating process in a fluid bed & Modelling of particles motion in the Wurster coating process. in XIth International Workshop on Bioencapsulation. 2003. Strasbourg, France: Bioencapsulation Research Group.
84. Elmafadi, S., M. Hayert, and D. Poncelet. Particle motion in Wurster coating process. in 9ème Congrès de la SFGP. 2003. Saint Nazaire, France: SFGP.
85. Jacquot, M., et al. Multienzymatic system encapsulation. in XIth International Workshop on Bioencapsulation. 2003. Strasbourg, France: Bioencapsulation Research Group.
86. Markvicheva, E., et al. Encapsulated multicellular tumor spheroids as a novel in vitro model to study small size tumors. in XIth International Workshop on Bioencapsulation. 2003. Strasbourg, France: Bioencapsulation Research Group.
87. Bône, S., D. Poncelet, and D. Della Valle. Continuous formulation of hydrogel beads in SMX static mixer. in Congrès Polymers in Dispersed Media. 2004. Lyon, France.
88. El Mafadi, S., A. Picot, and D. Poncelet. Modifications/Improvement of the Wurster process for drying or coating sensitive bioactive materials. in XIIth International BRG Workshop on Bioencapsulation,. 2004. Vitoria-Gasteiz, Spain.
89. Ivanova, E., E. Teunou, and D. Poncelet. Encapsulation of nitrogen fixing bacteria for biofertilisers production. in XII International workshop on bioencapsulation. 2004. Vitoria-Gasteiz, Spain.
90. Perneti, M., et al. A bioluminescent sensor for pollutant detection - modeling of transport phenomena. in Congrès GRICU 2004. 2004. Roma, Italy.
91. Perneti, M., et al. Immobilization of luminescent bacteria for an environmental biosensor. in 6th Workshop on Biosensors and BioAnalytical μ -Techniques in Environmental and Clinical Analysis ENEA. 2004. S. Maria di Galeria, Italy.
92. Perneti, M., et al. Characterization and modelling of an immobilized microbial biosensor. in XII International workshop On Bioencapsulation. 2004. , Spain Vitoria-Gasteiz.
93. Teunou, E., E. Ivanova, and D. Poncelet. Dry coating using Aqoat, a new method for encapsulation of water sensitive products. in 3rd International workshop on Water in food. 2004. Lausanne, Switzerland.
94. Teunou, E., E. Ivanova, and D. Poncelet. Dry coating using AQOAT, a new method for encapsulation of water sensitive products. in 3-rd International workshop on water in food. 2004. Lausanne, Switzerland.
95. Ivanova, E., E. Teunou, and D. Poncelet. Alginate macrocapsules as inoculants carriers for production of nitrogen biofertilizers. in Balkan Scientific Conference of Biology. 2005. Plovdiv, Bulgaria.
96. Ivanova, E., N. Aguilar, and D. Poncelet. Multilayer coating of seeds, a promising technique for production and application of nitrogen fixing bio fertilizers in the farm. in XIIIth International Workshop on Bioencapsulation. 2005. June 24-26, 2005.
97. Picot, A. and D. Poncelet. Selection of coating materials for stabilization of probiotic microorganisms. in XIIIth International BRG Workshop on Bioencapsulation. 2005. Kingston, Ontario, Canada: Bioencapsulation Research Group.
98. Poncelet, D. Introduction and methods of encapsulation. in XIIIth International Workshop on Bioencapsulation. 2005. June 24-26, 2005.

Curriculum Vitae - Denis Poncelet

99. Reid, A., et al. Stability Study of Water-in-Oil-in-Water Multiple Emulsions. in 6th International Conference and Exhibition on Nutraceuticals and Functional Foods. 2005. Anaheim, CA, USA.
100. X. Gandibleux, B. Pajot et D. Poncelet, Modèle en variables 01 et système d'aide pour l'optimisation de l'organisation de bourses d'échanges de technologies, ROADEF'06, Lille, France, 7, 8 Février 2006
101. Bilancetti, L., et al. Particle coating using dry powder technology. in XIV International Workshop on Bioencapsulation. 2006. Lausanne, Switzerland: Bioencapsulation Research Group.
102. Li, M., O. Rouaux, and D. Poncelet. Microencapsulation by solvent evaporation. in XIV International Workshop on Bioencapsulation. 2006. Lausanne, Switzerland: Bioencapsulation Research Group.
103. Poncelet, D. Encapsulation of Enzyme : Applications. in XIV International Workshop on Bioencapsulation. 2006. Lausanne, Switzerland: Bioencapsulation Research Group.
104. L. Bilancetti, C. Loisel, F. Depypere, K. Dewettinck, J.G. Pieters, D. Poncelet Particle coating using dry powder technology. Biopowders Properties, production & handling, June 29-30, 2006, Göteborg, Sweden
105. G. H. D. Fendoung , S. Elmafadi, M. B. Ngassoum and D. Poncelet Encapsulation of the essential oil of Eucalyptus Globulus by adsorption and coating in fluidised bed in XV International Workshop on Bioencapsulation. 2007. Vienne, Austria: Bioencapsulation Research Group.
106. M. Schoebitz, C. Ribaldo, L. Ciampi and D. Poncelet. Isolation and Characterization of Plant Growth Promoting Rhizobacteria of Ryegrass from Volcanic Soil in XV International Workshop on Bioencapsulation. 2007. Vienne, Austria: Bioencapsulation Research Group.
107. M. Li, O. Rouaud, D. Poncelet Microencapsulation by solvent evaporation- Process engineering aspect in XV International Workshop on Bioencapsulation. 2007. Vienne, Austria: Bioencapsulation Research Group.
108. G. Ongmayeb and D. Poncelet Formation of millicapsules by interfacial reticulation in XV International Workshop on Bioencapsulation. 2007. Vienne, Austria: Bioencapsulation Research Group.
109. L. Bilancetti, C. Loisel, D. Poncelet Dry particle coating in a pan coating device in XV International Workshop on Bioencapsulation. 2007. Vienne, Austria: Bioencapsulation Research Group.
110. Schoebitz Mauricio, Ribaldo Claudia, Ciampi Luigi, Poncelet D Isolation and characterization of plant growth promoting rhizobacteria of ryegrass from volcanic soil in Rhizosphere 2 International Conference. 26-31 August 2007 Montpellier, France
111. L. Bilancetti, M. Hayert, C. Loisel, D. Poncelet Particle coating using dry powder technology PARTEC, Nuremberg, Germany 27th-29th March, 2007
112. G. H. D. Fendoung, M. B. Ngassoum, C. Sanchez and D. Poncelet lyophilised Eucalyptus Globulus coacervates based on g-lactoglobulin and acacia in XVI International Workshop on Bioencapsulation. 2008. Dublin, Ireland: Bioencapsulation Research Group.

Curriculum Vitae - Denis Poncelet

113. M. Li, J. Xue, Z-B. Zhang, O. Rouaud and D. Poncelet Novel approach for characterization of microspheres made by solvent evaporation in XVI International Workshop on Bioencapsulation. September 4-6, 2008. Dublin, Ireland: Bioencapsulation Research Group.
114. L. Bilancetti, C. Loisel, F. Depypere, K. Dewettinck, J.G. Pieters, D. Poncelet Dry starch particle coating: optimization and coating quality measurement by CLSM in XVI International Workshop on Bioencapsulation. September 4-6, 2008. Dublin, Ireland: Bioencapsulation Research Group.
115. E. S. Chan, B. B. Lee, P. Ravindra, D. Poncelet Dimensionless number analysis for production of spherical ca-alginate beads in XVI International Workshop on Bioencapsulation. September 4-6, 2008. Dublin, Ireland: Bioencapsulation Research Group.
116. G. Ongmayeb, V. Le Tilly and D. Poncelet Structural analysis of chitosan cross linked membrane by microscopy in XVI International Workshop on Bioencapsulation. September 4-6, 2008. Dublin, Ireland: Bioencapsulation Research Group.
117. M. Schoebitz, H. Simonin and D. Poncelet Cells viability of plant growth promoting rhizobacteria in alginate-starch beads in XVI International Workshop on Bioencapsulation. September 4-6, 2008. Dublin, Ireland: Bioencapsulation Research Group
118. L. Bilancetti, C. Loisel, F. Depypere, K. Dewettinck, J.G. Pieters, D. Poncelet Dry Coating Process using polysaccharides in a Pan Coating system. in RELPOWFLO, Tromsø, Norway, 10th-12th June, 2008
119. M. L. Jiménez Pranteda, M. Monteoliva-Sánchez, A. R. Cormenzana, D. Poncelet (2008) Encapsulation of probiotics with the dripping mode by using an electrostatic potential application. In Food Micro 2008, Aberdeen Scotland, 1-4 September 2008
120. C. Guéret, O. Morineau, C. Pavageau, O. Péton, and D. Poncelet (2008) Optimisation de la planification de bourses d'échanges de technologies. In Roadef09, Nancy, France, 10-12 février 2009

SEMINARS

1. Poncelet, D., Les techniques de bioencapsulation du laboratoire à l'échelle industrielle, in Enrobage et microencapsulation. 1999, Archimex, Vannes, France: Avignon, France.
2. Poncelet, D.c., Particle coating for food & nutraceuticals: introduction, in Particle coating for food & nutraceuticals. 1999, Technology Training Center, Binzen, Germany: Binzen, Germany.
3. Poncelet, D., Les techniques de Stabilisation des Ingrédients d'un mélange, in Ingrédients, Arômes, Additifs en Charcuterie-Salaison. 1999, CTSCCV, Paris, France: Paris, France.
4. Jacquot, M., M. A., and D. Poncelet, Encapsulation of potassium thiocyanate so as forming a capsule containing the entire system lactoperoxydase/thiocyanate/hydrogen peroxide (LPS), in Joint Meeting COST 840 / TMR "Ultrasonic Separation of Suspended Particles". 2000: Vienna, Austria.
5. Jacquot, M. and D. Poncelet, Use of acacia gum to decrease hygroscopicity of potassium thiocyanate so as forming a capsule containing the entire system lactoperoxydase/thiocyanate/hydrogen peroxide (LPS), in Joint Meeting COST 840 / TMR "Ultrasonic Separation of Suspended Particles. 2000, COST840: Vienna, Austria.

Curriculum Vitae - Denis Poncelet

6. Poncelet, D. and R.J. Neufeld, Shear breakage of nylon membrane microcapsules in a turbine reactor, in Joint Meeting COST 840 / TMR "Ultrasonic Separation of Suspended Particles". 2000: Vienna, Austria.
7. Poncelet, D., et al., Polyelectrolyte complex microcapsules and their mechanical resistance evaluation, in Joint Meeting COST 840 / TMR "Ultrasonic Separation of Suspended Particles". 2000: Vienna, Austria.
8. Poncelet, D., La Bioencapsulation, in IX Reunion Annuelle de la Société Française du Tissu Conjonctif. 2000: Rennes, France.
9. Poncelet, D., Production of alginate beads by emulsification-internal gelification, in European Symposium Polymerix 2000. 2000: Rennes, France. p. 129-143.
10. Poncelet, D., Libération Controlée de matériels biologiques, in Mise à dispositions controlée et solubilisation. 2000, Archimex: Vannes, France.
11. Poncelet, D., Why looking at micro and nanoencapsulation ?, in Micro and Nanoencapsulation. 2000, Euroforum: Paris.
12. Poncelet, D., Production of alginate beads by emulsification-internal gelification, in Symposium Polymerix 2000. 2000: Rennes, France.
13. Ivanova, E., et al., Immobilisation of lactic acid bacteria in Ca-alginate beads for the production of Bacteriocin, in Agoral. 2001: Dijon, France.
14. Jacquot, M., A. Miclo, and D. Poncelet, Enzyme coating, application to lactoperoxidase system, in TTC Workshop N° 40. 2001, TTC: Binzen, Germany.
15. Jacquot, M., A. Miclo, and D. Poncelet, Encapsulation of the lactoperoxydase/thiocyanate/hydrogen peroxide system and hydrogen peroxyde, in Agoral. 2001: Dijon, France.
16. Bône, S., D. Poncelet, and D. Della Valle, Synthèse de billes d'hydrogel par mélangeur statique, in Congrès du club émulsion. 2003: Paris, France.
17. El mafadi, S., M. Hayert, and D. Poncelet, Procédés d'enrobage en lit fluidisé: contrôle et optimisation, in Congrès du groupe « solides divisées ». 2003, Société Française de Génie des Procédés: Nantes, France.
18. Ivanova, E., et al., Encapsulation and coating of seeds with nitrogen fixing bacteria to reduce the use of chemical fertilisers, in Scientific works, Volume L, Issue 1, Jubilee Scientific conference for the 50 years of UFT-Plovdiv,, PLOVDIV-BULGARIA. 2003: Plovdiv, Bulgaria.
19. Perneti, M., et al., Characterization of agarose as immobilization matrix model for a microbial biosensor, in COST840 meeting on Bioencapsulation innovations and technologies. 2003, COST840: Thessaloniki, Greece.
20. Picot, A. and D. Poncelet, Stabilisation de micro-organismes probiotiques par microencapsulation, in 16ème rencontres AGORAL. 2004, Editions Lavoisier, Collection TEC & Doc: Nantes, France. p. 225-232.
21. Teunou, E., E. Ivanova, and D. Poncelet, Enrobage à sec : Technique - Potentiels - Applications, in Application Science et Technologie des poudres. 2004: Compiègne, France.
22. Reid, A., et al., Étude de la stabilité d'émulsions multiples de type Eau/Huile/Eau, in Club émulsion 2005 : stabilisation des dispersions. 2005: Montpellier, France.

Curriculum Vitae - Denis Poncelet

23. El mafadi, S. and D. Poncelet, Optimisation de l'enrobage en lit fluidisé : dynamique des particules et amélioration du design, in Journée Solides divisés. 2006: Toulouse, France.

Curriculum Vitae - Denis Poncelet

PATENTS

1. Neufeld, R.J., D. Poncelet, and S. Norton, Immobilised-Cell Carrageenan Bead Production and a Brewing Process Utilizing Carrageenan Bead Immobilized Yeast Cells. 1999, Labatt Brewing Company Lmtd: USA.
2. Mazeau, I., et al., Screening of secreted cell products by microparticles,. 2002, Genencor inc.: USA.
3. Poncelet, D. and R. Jorda, Composition polymère réticulable à l'eau et ses applications. 1993: France.
4. Poncelet, D., A. Picot, S. El mafadi Dispositif pour la formation de gouttelettes calibrées, dépôt n° 07/06655 du 24 septembre 2007