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Educational Profile:

- Doctorat Science/PhD in Process Engineering, Université Claude Bernard Lyon1, Villeurbanne, France
- Master in Polymer, material and composite, Université Claude Bernard Lyon1, Villeurbanne, France
- Engineer in Pharmaceutical Engineering, Institut National des hydrocarbures et de la chimie, Boumerdes, Algeria (INHC)

List of Current Research Projects

PRFU: Nano-encapsulation of active molecules - Development and optimization of new processes

List of Journal Publications

1. A. DERBALI, **D BOUZID**, , 2022, Formulation and characterization of poly (Acrylic Acid)- Co-Chitosan Nanoparticles as pH-Thermo-Responsive System to Control Delivery. Journal of Basic and applied sciences. V18, 72-86
2. F. BADAoui, **D BOUZID**, , 2022, Statistical design for formulation optimization of diclofenac sodium-loaded ethylcellulose microsponges. Research Journal of Pharmacy and Technology. V15, I 6
3. F. BADAoui, **D BOUZID**, **2022**, Formulation and optimization of diclofenac sodium loaded ethylcellulose nanoparticles. Brazilian Journal of Pharmaceutical Sciences. V58.
4. N. Faghmous, **D BOUZID**, M Boumaza, A Touati, O Boyron, **2021** Optimization of chitosan-coated W/O/W multiple emulsion stabilized with Span 80 and Tween 80 using Box–Behnken design. Journal of Dispersion Science and Technology. V42, Issue 10, 1566-1578.
5. A. Derbali, I. Bahloul, N. Faghmous, **D Bouzid**. 2019, Nanoencapsulation of insuline by alginate/chitosane matrix by ionotropic pre-gelation technique. Journal of New Technology and Materials, V93, I08
6. N. Amiar, **D. Bouzid**. T F. McKenna, 2017, Influence of the rubber content and particle morphology on the mechanical properties of hiPP , Journal of Applied Polymer Science, 133, 46.
7. Benhamada M., **Bouzid D.**, Boyron O., Taam M, 2016, The relationship between the aging of polycarbonate characterized by SEC and the release of bisphenol A quantified by HPLC-UV. European Food Research and Technology, 242, 2, 227-232

8. Benhamada M., **Bouzid D.**, Saouli O., Boyron O, 2015, The effects of hydrothermal aging characterized by sec on the degradations kinetics of polycarbonate calculated through TGA Chemical Engineering Transactions, 43, 1183-1188.

9. **BOUZID, D**; MCKENNA, TF; 2006, Improving impact polypropylene morphology and production: Selective poisoning of catalyst surface sites and the use of anti-static agents Macromolecular Chemistry and Physics, 207, 13 – 19

10 **BOUZID, D**; GABORIAUD, F; MCKENNA, TF; 2006, Study and control of the distribution of elastomer in high impact polypropylene. Macromolecular Symposia, 243, 215 – 224

11. **BOUZID, D**; GABORIAUD, F; MCKENNA, TF; Atomic force microscopy as a tool to study the distribution of rubber in high impact poly (propylene) particles Macromolecular Materials and Engineering, 2005, 290,6, 565 - 572

12. **BOUZID, D**; MCKENNA, TF; Effect of polypropylene particle size on the morphology of the high impact polypropylene particles. DECHEMA Monographs, 2004, 138, 429 – 433

13. **BOUZID, D**; MCKENNA, TF; 2004, Effect of polypropylene particle size on the morphology of the high impact polypropylene particles. Polymer Reaction Engineering, DECHEMA 52, 14

14. MCKENNA, TF; **BOUZID, D**; Matsunami, S; Sugano, T; 2003, Evolution of particle morphology during polymerisation of high impact polypropylene, Polymer Reaction Engineering, 11, 2, 177 - 197

List of Conference Papers

1. R,LATOUI. **D, BOUZID**, 2023, Optimization of the formulation process of a biocompatible resin using Box-Behnken design, 3rd International Conference on Engineering and Applied Natural Sciences, 14-17 January, Konya/Turkey

2. R,LATOUI. **D, BOUZID**, 2022, Characterisation of mesoporous silica nanocapsules elaborated by Sol-Gel process, 1st International Conference on Scientific and Academic Research, 10-13 December, Konya/Turkey

3. R,LATOUI. **D, BOUZID**, 2022, Etude de la dégradation d'un composite biocompatible en utilisant l'ATG, 10ème Conférence Internationale des Energies Renouvelables, 20-22 Décembre, Hammamet, Tunisie.

4. R,LATOUI. **D, BOUZID**, 2022, Characterisation of mesoporous silica nanocapsules elaborated by Sol-Gel process, 4th International Conference on Applied Engineering and Natural Sciences, 10-13 November, Konya/Turkey.
5. FZ, BADAOU, **D, BOUZID**, 2021, Statistical design for formulation screening of diclofenac sodium loaded ethylcellulose nanoparticles, 2nd international symposium on materials chemistry 2021, Boumerdes, Algeria
6. FZ, BADAOU, **D, BOUZID**, 2021, HET-CAM test for the diclofenac sodium loaded ethylcellulose nanoparticles, 1ST international conference on sustainable energy and advanced materials, Ouargla, Algeria
7. FZ, BADAOU, **D, BOUZID**, 2021, Formulation screening of diclofenac sodium loaded ethylcellulose microsponges, Séminaire international sur les sciences de la matière (physique et chimie) Oran, Algeria
8. A, DERBALI. **D, BOUZID**, 2019, Designing nanoparticles based on alginate/chitosan as oral insulin delivery system, 2019, 2nd international symposium medicinal plants and materials, Tozeur Tunisia, 2019
9. N. Amiar, **D. Bouzid**. T F. McKenna, Simulation of the EPR flow in hiPP particle, International Conference on the Reaction Engineering of Polyolefins. 2017 Maastricht,Pays bas,6-9 Juin
- 10 M. Benhamada, **D. Bouzid**. Saouli O. The relationship between the aging of polycarbonate and the release of BPA. 12th International Conference on Chemical and Process Engineering, Milan, Italie 19-22 Mai **2015**
11. N. Amiar, **D. Bouzid**. T F. McKenna. Study of morphology and mechanical behaviour of iPP-EPR nanometric composite, 1st International Symposium on Nanoparticles- Nanomaterials and Applications. Lisbonne 19-22 Janvier **2014**
12. M. BEN HAMADA, **D. BOUZID**, O. SAOULI. Study of Bisphenol A migration from baby bottles as a function of temperature, pH liquids and duration treatments. International Congress on Energy Efficiency and Energy Related Materials, ENEFM. Antalya Turquie. 9-12 October 2013
13. N. Amiar, **D. BOUZID**, T F. McKenna. Influence of iPP morphology and EPR content on HiPP mechanical properties, International Conference on the Reaction Engineering of Polyolefins. Ferrara, Italie, 2-4 septembre 2013.

14. M. BEN HAMADA, **D. BOUZID**, O. SAOULI. Influence of temperature, pH and duration treatment on the kinetic of the degradation of bisphenol A polycarbonate. International Congress on Energy Efficiency and Energy Related Materials, ENEFM. Antalya Turquie. 9-12 October 2013

15. **BOUZID, D.**, T.F.L. MCKENNA, "Study and Control of the Distribution of Elastomer in High Impact PP," Polymer International Conference on the Reaction Engineering of the polyolefins, Montreal, Canada. 22-27 juin, 2008

16. **BOUZID, D.**; GABORIAUD, F; MCKENNA, TF; Use of AFM to analyse the morphology of high impact polypropylenes. 20 -24 juin 2005, LYON FRANCE
3rd European Conference on the Reaction Engineering of Polyolefins 'ECOREP'

17. **BOUZID, D.**, T.F. MCKENNA, "Effect of polypropylene particle size on the morphology of high impact polypropylene particles," 8th International Workshop on Polymer Reaction Engineering, 4-6 October, 2004, Hamburg, Germany

18. **BOUZID, D.**, T.F. MCKENNA, "Evolution of particle morphology during the production of high impact polypropylene," Polymer Reaction Engineering V, 18-23 May 2003, Québec, Canada

19. **BOUZID, D.**, T.F. MCKENNA, "A preliminary study of the Morphology of impact copolymers," ECOREPII, 1-4 July, 2002, Lyon, France.

List of Current Doctoral Research Students Supervision

1. Abir DERBALI
2. Yasser KESSIRA
3. Rayenne LATOUI