

### **Scientific publications (2016-2022)**

- M. COUTURIER, M. TOUVREY-LOIODICE, N. TERRAPON, E. DRULA, L. BUON, C. CHIRAT, B. HENRISSAT & W. HELBERT, Functional exploration of the glycoside hydrolase family GH113, PLoS ONE, 2022
- S. DROUILLARD, L. POULET, E. MARECHAL, A. AMATO, L. BUON, M. LOIODICE & W. HELBERT, Structure and enzymatic degradation of the polysaccharide secreted by Nostoc commune, Carbohydrate Research, 2022
- S. DROUILLARD, R. CHAMBON, I. JEACOMINE, L. BUON, C. BOISSET, A. COURTOIS, B. THOLLAS, P-Y. MORVAN, R. VALLEE & W. HELBERT, Structure of the Polysaccharide Secreted by Vibrio alginolyticus CNCM I-5035 (Epidermist 4,0 TM), Marine Drugs, 2020
- J. FRANCILLON, C. CHIRAT, C. BOISSET & L. BUON, Multi-step purification method of water-soluble oligosaccharides produced from hardwood and softwood, Holzforschung, 2020
- V. DELOULE, C. BOISSET, D. HANANI, A. SUAOU, A. LEGOUELLEC, J. CHROBOCZEK, C. BOTTE, Y. YAMARYO-BOTTE, C. CHIRAT & B. TOUSSAINT, Biotic role of softwood hemicellulose in healthy mice model, J. Functionnal Foods, 2020
- F. LELCHAT, P. Y. MOCAER, T. OJIMA, G. MICHEL? G. SARTHOU, E. BUCCIARELLI, S. CERANTOLA, S. COLLIEC-JOUAULT, C. BOISSET, A-C. BAUDOUX, Viral degradation of marine bacterial exopolysaccharides, FEMS. Microbiology. Ecology, 2019
- S. DROUILLARD, I. JEACOMINE, L. BUON, C. BOISSET, A. COURTOIS, B. THOLLAS, P.Y. MORVAN, R. VALLEE & W. HELBERT, Structure of the Exopolysaccharide Secreted by a marine Strain Vibrio alginolyticus, Mar. Drugs, 2018
- K. BEN JEDDOU, F. BOUAZIZ, C. BOISSET HELBERT, O.NOURI-ELLOUZ, S. MAKTOUF, S. ELLOUZ-CHAABOUNI & R. ELLOUZ-GHORBEL, Structural, fonctionale, and biological properties of potato peel oligosaccharides, Int. J. Biol. Macromol, 2018
- L. BELGHITH-FENDRI, F. CHAARI, K. BEN JEDDOU, F. BOUAZIZ, C. BOISSET HELBERT, L. ABDELKEFI-MESRATI, S. ELLOUZ-CHAABOUNI, D. GHRIBI-AYDI, Identification of polysaccharides extracted from pea pod by-product and evaluation of their biological and functional properties, Int. J. Macromol, 2018
- H. MAALEJ, C. BOISSET, N. HMIDET, P. COLIN-MOREL, L. BUON, M. NASRI, Depolymerization of Pseudomonas stutzeri exopolysaccharide upon fermentation as a promising production process of antibacterial compounds, Food Chem, 2017
- M.B. ROMDHANE, I. GHAZALA, K.B. JEDDOU, S. ELLOUZ-CHAABOUNI, A. HADDAR & C. BOISSET HELBERT, Optimization of polysaccharides extraction from watermelon rinds: Structure functional and biological activities, Food Chem, 2017
- E. RICHARD, L. BUON, S. DROUILLARD, S. FORT & B. PRIEM, Bacterial synthesis of polysialic acid lactosides in recombinant Escherichia coli K-12, Glycobiology, 2016
- H. MAALEJ, N. HMIDET, C. BOISSET, E. BAYMA, A. HEYRAUD & M. NASRI, Rheological and emulsifying properties of a gel-like exopolysaccharide produced by Pseudomonas stutzeri AS22, Food. Hydrocolloids, 2016