

Curriculum Vitae: Nathalie GONTARD

Current position

- *INRA Research Director* in Food, packaging and materials sciences (formerly Professor at UM2)

Education

- *Engineer and Master* diplomas in Food Science & Process engineering, Univ. Montpellier II, Fr. (1988)
- *PhD thesis* in Material & Food Science, Univ. Montpellier II, Fr. (1991)
- *Title for Research Activities Direction (HDR)* in Process Engineering & Food Science: material science applied to polymers from agricultural origins (1998)

Research topics of interest

- *Structure/mass transfer* relationships and modeling in bio-composites
- *Integrated approach* of food / packaging systems,
- *Environmental impact*, eco-design of bio-materials
- *Safety and nano-* materials and technologies

Current participation in projects / programmes

- *Leader or participant to more than 80* international (EU and developing countries) or national projects.
- *Promoter & coordinator of NextGenPack* (Franco-german ANR, 2012-2015): Next generation of advanced active and intelligent bio-based packaging for food (www.nextgenpack.eu)
- *Partner of SERENADE* (LABEX 2012-2020): Safe ecodesign and sustainable research & education applied to nanomaterial development (<http://www.labex-serenade.org>)
- *Promoter & coordinator of EcoBioCAP* (EU FP7, 2011-2015): Ecoefficient Biodegradable Composite Advanced Packaging (www.ecobiocap.eu)

Teaching activities

- Process engineering, food packaging

Membership of professional bodies

- *Expert at the EFSA* (European Food Safety Authority) since 2006
- *Member of the European Technology Platform "Food for Life"* board
- *Promotor & Director of the Federative Research Institute « Food and Processes »* (www.fedap.univ-montp2.fr, 2007-2012)
- *Conference chair of the 2012 EFFoST congress* "A lunch box for tomorrow" Le Corum, Montpellier
- *Member of ILSI Europe's Publication Committee* (International Life Science Institut), Brussels

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Latest key Publications

- *Co-author of more than 100 papers in peer-reviewed journals (H index = 25)*
- 2013. Role of packaging in a smorgasbord of action for sustainable food consumption. *AgroFOOD Ind. High-tech*, 2013, in press.
- 2013. Water transport mechanisms in wheat gluten based (nano)composite materials. *European Polym. J.*, in press.
- 2013. Importance of the structure of paper support in gas transfer properties of protein coated paper. *J. of applied polym.*, in press.
- 2013. Fresh food packaging design: a requirement driven approach applied to strawberries and agro-based materials. *Innovative Food Science and Emerging Technologies*, in press
- 2013. Nanoparticle size and water diffusivity in nanocomposite agro-polymer based films. *European Polym. J.*, 49 (2)
- 2012. Nano and micro-structuring of materials from a single agro-polymer for sustainable MAP preservation of fresh food. *Pack. Technol. & Sci.*, 26 (3)
- 2012. Controlling pesticide release via structuring agopolymer and nanoclays based materials. *J. Hazardous Mat.*, 205: 32-39.
- 2012. Investigating biodegradation pattern of ecofriendly pesticide delivery system based on wheat gluten and organically modified montmorillonite. *Polym. Deg. & Stab.*, 97 (10)
- 2012. Oxygen Quantification Methods and Application to the Determination of Oxygen Diffusion and Solubility Coefficients in Food. *Food Reviews Intern.* 28 (2)