



BIOPHAS

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About you and your organisation



- **Sara Castelló**
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- **Organisation's name: AINIA Technology Centre**
- **Nature of your organisation: Non-profit private Research Organisation**
- **Country: Spain**
- **Department: Technology Transfer**
- **Speciality of the department: Technology Transfer, Management and Coordination of regional, national and international projects, Technology Watch and Foresight**

Your Experience



The skills of you and your organisation are: R&D and Innovation

Biotechnology
Quality and food safety
Design and industrial production
Electronics and communications
Materials (in contact with food)
Sustainability and environment
Nanotechnology and nanoscience

The topics you are interested in are

KBBE.2010.2.1-01: Determinants of food choice and eating habits
KBBE.2010.2.2-02: Diet and prevention of functional decline of the elderly
KBBE.2010.2.3-02: Strategies for personalised nutrition
KBBE.2010.2.4-01: Improving integration in food safety research
KBBE.2010.2.4-02: Identification of the effect of processing on food contaminants
KBBE.2010.2.4-03: Quality and safety aspects of feed
KBBE.2010.2.5-02 : Eco-challenges in the food chain of the Latin American region – SICA (Latin America)

Involvement in previous / ongoing EU projects in the area (FP6 & FP7):

BIOLISME, BIODET, TRACEBACK, HELENA, VINISERV, GRUB's UP, APTPACK, OPTIM'OILS, BIOACTIVE-NET; MEDA GO TO EUROPE; EuroMedCitrusNet; AGRIFOODRESULTS; KNOWLEDGE2INNOVATION, TRACK-FAST.

Your Project ..



- The possible name of the project is **BIOPHAS**
- The aim of the project is **to develop a new biodegradable food packaging from food industry by-products**
- Keywords related to the proposal:
Packaging, biodegradable, environmentally sustainable, life cycle analysis, food industry by-products, food stability.

Content of the Project in Brief



- The project will focus on **Development of biodegradable food packaging**
- The objective is to develop **biodegradable packaging for food applications**. The packaging material should be **derived in a sustainable way from food industry by-products**. Particular attention will be paid to the stability of the food and the food packaging during storage: food safety and quality will be the primary aims through development of new packaging materials and processes. The **environmental aim is to reduce packaging waste by making the materials biodegradable**. The industrial applicability has to be demonstrated together with the positive impact on the environment via a Life Cycle Assessment.

Workpackage List



There should be workpackages like (general)

- 1) Development of the new process
- 2) Packaging and Food stability analysis
- 3) Packaging life cycle analysis
- 4) Validation – pilot testing
- 5) Dissemination & Exploitation
- 6) Management

The **main deliverable** of those workpackages will be a new **biodegradable packaging solution** for the food industry and a new **environmentally sustainable packaging production process**.

Possible Partners



- An idea of the existing partnership:
 - 4RTDs (Spain, Italy, France, Germany)
 - 1 Large enterprise (Portugal)
 - 2 SMEs (Spain)
- The possible partners for this project can be
 - 1 European Association which works in the field of Food, Packaging, Environment and/or Biotechnology
 - 1 SMEs (non Spanish) working on the field of nanocomposites