**Horizon 2020**

**Marie Sklodowska Curie Actions**

**PROFILE FORM – Expression of Interest**

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| **Organization Name / Department** | GROUP OF RESEARCH IN BIOTECHNOLOGY AND FOODS /Facultad Regional Resistencia/Universidad Tecnológica Nacional | **Organization Short Name** | QUIMOBI |
| **Organization Type** | x **University**  Public Research Centre  Large Scale Enterprise  Small and Medium Scale Enterprise | x **Public Body**  International NGO  National NGO | |
| **Research Fields** | x**Chemistry CHE**  Social and Human Sciences **SOC**  Economic Sciences **ECO**  Information Science and Engineering **ENG**  Environment and Geosciences **ENV**  Life Sciences **LIF**  Mathematics **MAT**  Physics **PHY** | ***Sub-Fields / Keywords:***  ,  Biotechnology.  Functional Food Development. | |
| **Short Description**  **of the Organization / Department** | The BIOTEC group was created within the scope of the Regional Resistance Faculty, with dependence of the Ministry of Science and Technology by Resolution CD No. 434/09, under the direction of Lic. Liliana E. Vergara, with the scientific advice of the Dr. Sonia Sgroppo, and the participation of Dr. Ing. Carola Sosa and Ing. Verónica Cerviño, Albertina Tomassone and María Cristina Llugdar Ojeda. The team that supports the formation of this group arises from the association of professors of the professors of the Chemical Engineering career involved in the subject of food, chemical analysis and applied technologies. These are: Biotechnology, Food Chemistry, Analytical Chemistry, Food Technology II and Physicochemistry, in a work team called "Associated Chairs of Chemical Engineering".  Our group objectives are: Establish an interdisciplinary team of work in the areas of Biotechnology and Food Technology; promote the development of regional products and Contribute to the training of highly trained Human Resources. | | |
| **Previous Related Projects / Research Experience** | In 2004, the team developed and presented the project entitled "Functional dressing based on plant products", approved in September 2005 under the direction of Dr. María del C. Sarno and Co Direction of Dr. Sonia Sgroppo. Participating as members were Lic. Liliana Vergara and Ing. Carola Sosa. Within the framework of this project, a thesis and a postgraduate thesis were successfully developed and completed:   * Bachelor's Thesis in Bromatology "Minimally processed potatoes", made by Lic. Liliana E. Vergara, at the National University of Cuyo. February 2007. * Doctoral Thesis "Development of a functional dressing based on vegetables" by Ing. Carola Sosa. National University of La Plata. December 2009. * [2011]. Post Doctoral Scholarship ERASMUS MUNDUS ACTION ll. Laboratory of Food Technology and Leuven Food Science and Nutrition Research Center (LFoRCe). Department of Microbial and Molecular Systems. Katholieke Universiteit of Leuven (Belgium). Topic: "Characterization of nutrient bio-accessibility (in particular β-carotene and lycopene) using an in vitro approach" (Nov. 2011- Jun 2012)   BIOTEC Projects   * Vegetable matrix based on sweet potatoes, with functional characteristics(2009-2012) * Effects of the application of edible films on the useful life of vegetable preserves (2012-2015) * Study of the oxidative stability of a vegetable dressing, with functional characteristics (2013-2017) * PICT Project: Scientific and Technological Research Project. FONCYT "Valorization of vegetable products from the NEA region. Minimally processed mangoes and grapefruits treated by UV-C light. "FACENA-UNNE 2011-2013 period. * University Volunteer Project: "Regional Nutrition Foods"-2017 * Project SPU - UTN / UNNE. Program: "The University adding value". Project: "Value Added to Corrientes Foods".-2017 | | |
| **Short Description of the Project idea**  **(if foreseeable)** | Our lines of work are:   * Packaging strategies for a functional vegetable dressing (2017-2019) * Use of an edible coating with natural antimicrobials. (2017-2019) | | |
| **Related Call** |  | | |
| **Contact Person** | Dra. Ing. Carola Sosa | | |
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