

CV Date

09/12/2024

Part A. PERSONAL INFORMATION

First Name	María Elizabeth		
Family Name	Carrillo Alava		
Sex	Female	Date of Birth	28/01/1981
ID number Social Security, Passport			
URL Web			
Email Address	ecarrillo@iata.csic.es		
Open Researcher and Contributor ID (ORCID)	0000-0002-0125-4489		

A.1. Current position

Job Title	Fixed-term contract researcher		
Starting date	2019		
Institution	Consejo Superior de Investigaciones Científicas		
Department / Centre	Ciencia de alimentos / Instituto de Agroquímica y Tecnología de Alimentos		
Country		Phone Number	
Keywords	330999 - Other; 331300 - Mechanical Engineering and technology		

A.2. Previous positions (Research Career breaks included)

Period	Job Title / Name of Employer / Country
2018 - 2019	I+D Researcher / IMPORTACO, S.A.
2015 - 2018	Chemical Lab Specialist / AIMPLAS Instituto Tecnológico del Plástico
2015 - 2015	Fixed-term contract researcher / Consejo Superior de Investigaciones Científicas
2013 - 2014	Researcher / CONFITECA (confectionary industry)
2011 - 2012	Fixed-term contract researcher / Consejo Superior de Investigaciones Científicas
2006 - 2006	Researcher / Confiteca
2004 - 2005	Researcher / La Fabril SA. (fats & oils industry)

A.3. Education

Degree/Master/PhD	University / Country	Year
Doctorado en Ciencia, Tecnología y Gestión alimentaria	Universidad Politécnica de Valencia	2013
Máster en Gestión y Seguridad Alimentaria por la Universidad Politécnica de Valencia	Universidad Politécnica de Valencia	2009
Máster en Ciencia e Ingeniería de los Alimentos por la Universidad Politécnica de Valencia	Universidad Politécnica de Valencia	2009
Licenciada en Ciencia y Tecnología de los alimentos (Titulación convalidada)	Escuela Politécnica Javeriana del Ecuador / Ecuador	2004

Part B. CV SUMMARY

Expert in advanced sensory and consumer studies applied to innovation in the food industry and research field. I have developed my research work in scientific research centers, technological centers, and in the R&D area of the food industry.

At the Institute of Agrochemistry and Food Technology (IATA-CSIC), I completed my doctoral thesis entitled "Study of consumer attitudes, knowledge and behavior. Sensory and non-sensory parameters that influence the choice of low-calorie foods enriched with functional ingredients" and now, I am currently responsible for updating consumer methodologies for understanding food choice through digital tools. My research has been focused on measuring consumer attitudes and behavior to explain individual differences in food preferences and perception, including taste responsiveness and personality traits, some of these studies with the participation of vulnerable populations (children, and elderly). At AIMPLAS, a technological center specializing in materials, I participated in projects for the development and measurement of new materials for being in contact with food. These collaborations were mainly with food companies. My participation was both from a technical and training point of view (odour migration in food, permeability studies, review of documentation to comply with current regulations, advice on the type of materials to be used, delivery of training courses), and in the detection of problems/needs in companies and the proposal of possible solutions through the execution of research and innovation projects and the search for calls for funding. In addition, I have extensive experience in R&D food industry area as a research project manager, especially in sectors such as: nuts, confectionery, chocolates, vegetable oils, and margarines. During my career in the private sector, I have designed, developed and/or reviewed new food projects. My expertise in consumer research have allowed me to translates consumer taste experience into data and translate to the product development, improvement, and launch decisions.

Part C. RELEVANT ACCOMPLISHMENTS

C.1. Most important publications in national or international peer-reviewed journals, books and conferences

AC: corresponding author. (n° x / n° y): position / total authors. If applicable, indicate the number of citations

- 1 **Scientific paper**. Carrillo, E., Parrilla, R., Tárrega, A. 2024. The difficult decision of buying food for others: Which puree will my baby like?. Food Research International. 179-114018.
- 2 **Scientific paper**. Carrillo, E., González, M., Parrilla, R., Tárrega, A. 2023. Classification trees as machine learning tool to explore consumers' purchasing decision pathway. A case-study on parent's perception of baby food jars. Food Quality and Preference. Elsevier.
- 3 **Scientific paper**. Carrillo, E., Chaya, C., Viadel, A., Laguna, L. Tárrega, A. 2023. Early changes in elderly food habits related to reduced protein intake. Food Quality and Preference. Elsevier. 108-104862.
- 4 **Scientific paper**. Puerta, P., Carrillo, E., Badia-Olmos, C., Laguna, L., Rosell, C, Tárrega, A. 2022. Coeliac consumers' expectations and eye fixations on commercial gluten-free bread packages. LWT. Elsevier. 163-113622.
- 5 **Scientific paper**. Puerta, P., Laguna, L., Tárrega, A., Carrillo, E. 2021. Relevant elements on biscuits purchasing decision for coeliac children and their parents in a supermarket context. Food Quality and Preference. Elsevier. 98-104496.
- 6 **Scientific paper**. Elizabeth Carrillo, Laura Laguna, Carla Arancibia, Amparo Tárrega. 2021. Rescuing flavor identity and dynamic perception in puréed 2 dishes; a restructuring solution for the purée diet. FOODS. 20-10(4):905, pp.2-15.
- 7 **Scientific paper**. Fiszman, S., Carrillo, E., Varela, P. 2015. Consumer perception of carriers of a satiating compound. Influence of front-of-package images and weight loss-related information. Food Research International. Elsevier. 78-1, pp.88-95.
- 8 **Scientific paper**. E. Carrillo, P. Varela, S. Fiszman, L. Lähteenmäki. 2014. Consumers' perception of symbols and health claims as health-related label messages. A cross-cultural study. Food Research International. Elsevier. 62-1, pp.653-661.
- 9 **Scientific paper**. Mitterer-Daltoé, M.L., Carrillo, E., Queiroz, M.I., Fiszman, S. Varela P. 2013. Structural Equation Modelling and word association as tools for a better understanding of low fish consumption. Food Research International. Elsevier. 52-1, pp.56-63.

- 10 Scientific paper.** Carrillo, E., Prado-Gascó, V., Fiszman, S Varela, P.2012. Why buying functional foods? Understanding spending behavior through SEM. Food Research International. Elsevier. 50-1, pp.361-368.
- 11 Scientific paper.** Carrillo, E., Prado-Gascó, V. Fiszman, S., Varela, P.2012. How personality traits and intrinsic personal characteristics influence the consumer's choice of reduced-calorie food. Food Research International. Elsevier. 49-2, pp.792-797.
- 12 Scientific paper.** Elizabeth Carrillo, Paula Varela, Susana Fiszman. 2012. Effects of the food package information and sensory characteristics in the perception of healthiness and the acceptability of enriched biscuits. Food Research International. Elsevier. 48-2, pp.209-216.
- 13 Scientific paper.** Carrillo, E., Varela, P. Fiszman, S.2012. Packaging information as a modulator of consumers' perception of enriched and reduced-calorie biscuits in tasting and non-tasting tests. Food Quality and Preference. Elsevier. 25-2, pp.105-115.
- 14 Scientific paper.** Carrillo, E., Varela, P. Fiszman, S.2011. Influence of Nutritional Knowledge on the Use and Interpretation of Food Labels. Journal of Food Science. Wiley online library. 77-1, pp.H1-H8.
- 15 Scientific paper.** Carrillo, E., Varela, P., Salvador, A. Fiszman, S.2011. Main factors underlying consumer's food choice. A first step for the understanding of attitudes toward "Healthy Eating". Journal of Sensory Studies. Wiley online library. 26-2, pp.85-95.

C.2. Conferences and meetings

- 1** Carrillo Elizabeth, Heredia Ana, Andrés Ana Amparo Tárrega. New legume snacks based on children's creations and profiled by parents. Agroalnext 2024. Agroalnext 2024. 2024. Spain. 'Participatory - poster.
- 2** Carrillo, Elizabeth Tárrega, Amparo. How do parents evaluate and predict how much their baby likes food?. SENSE LATAM. 2022. Brazil. Participatory - oral communication.
- 3** Carrillo, Elizabeth, Chaya Carolina, Tárrega Amparo. Perception of protein-rich products by older adults in relation to their degree of neophobia and their protein's knowledge. IV Congreso AEPAS. Asociación española de profesionales del análisis sensorial. 2022. Spain. Participatory - oral communication.
- 4** Carrillo Elizabeth, Laguna Laura Tárrega Amparo. Rescuing flavors identity and dynamic perception in macaroni. A restructuring solution for the macaroni puree diet. Food Oral Processing 2021 - FOP 2021. Instituto de Agroquímica y Tecnología de Alimentos. 2021. Spain. 'Participatory - poster.
- 5** Carrillo Elizabeth, Laguna Laura Tárrega Amparo. FREE-TOS: an easy tool for evaluating consumer dynamics of freely elicited. EUROSENSE 2020: 9th European Conference on Sensory and Consumer Research. 3SENSORY, SCIENCE, SOCIETY EUROPEAN AND ELSEVIER. 2020. Holland. 'Participatory - poster.
- 6** Carrillo, E., Puerta, P., Laguna, L., Tárrega A.. Implicit and explicit measurements to understand choice in a supermarket context. A case-study comparing celiac and non-celiac children and their parents. EUROSENSE 2020: 9th European Conference on Sensory and Consumer Research. 3SENSORY, SCIENCE, SOCIETY EUROPEAN AND ELSEVIER. 2020. Holland. 'Participatory - poster.
- 7** V. Prado-Gascó, E. Carrillo y S. Fiszman. ¿Por qué como grasas y azúcar?. II Congreso nacional de la asociación española de profesionales del análisis sensorial. Instituto de Agroquímica y Tecnología de Alimentos (IATA-CSIC) y la Universidad Politécnica de Valencia. 2017. Spain. 'Participatory - poster.
- 8** E. Carrillo. ¿Qué saben los consumidores sobre los símbolos relacionados con la sostenibilidad de los envases?. II Congreso nacional de la asociación española de profesionales del análisis sensorial. Instituto de Agroquímica y Tecnología de Alimentos (IATA-CSIC) y la Universidad Politécnica de Valencia. 2017. Spain. Participatory - oral communication.

C.3. Research projects and contracts

- 1 Project.** Enabling Technologies for a wider, data-based implementation of regenerative agriculture in the EU (Tech4RegenAG). TARREGA AMPARO Researcher. (Instituto de Agroquímica y Tecnología de Alimentos). 01/11/2024-31/12/2025. 52.500 €.

- 2 **Project.** Conceptualization to create food with good eating quality based in sustainable protein with improved digestibility and functionality for senior population (My Best Elderly Food-MyBEEF). (My Best Elderly Food-MyBEEF). TARREGA AMPARO Researcher. (Instituto de Agroquímica y Tecnología de Alimentos). 01/06/2020-31/12/2023. 108.900 €.
- 3 **Project.** Development of creams for infant feeding in recyclable packaging. Funding entity: Retos. TARREGA AMPARO Researcher. (Instituto de Agroquímica y Tecnología de Alimentos). 01/01/2020-31/03/2023. 135.768 €.
- 4 **Project.** Conceptos saludables para productos de desayuno de nueva identidad. TIFFANYS. TARREGA AMPARO Researcher. (Instituto de Agroquímica y Tecnología de Alimentos). 01/01/2018-31/12/2019. 212.143,74 €.
- 5 **Project.** Formulación de alimentos con hidrocoloides de efecto saciante. Reología, estructura y percepción sensorial y del consumidor. Estudio de trayectoria oral y digestión in vitro. (Consejo Superior de Investigaciones Científicas). 2013-2015. 72.540 €.
- 6 **Project.** Estudio del efecto de la incorporación de hidrocoloides con el objeto de aumentar el poder saciante, sobre el perfil sensorial y la percepción de los consumidores de alimentos formulados. (Consejo Superior de Investigaciones Científicas). 01/01/2011-31/12/2013. 30.000 €.
- 7 **Project.** Reformulación de alimentos con nuevos ingredientes comerciales para disminuir los contenidos en azúcar o grasas. Efectos sobre la textura, reología, propiedades sensoriales y aceptación. (Instituto de Agroquímica y Tecnología de Alimentos). 01/01/2010-31/12/2012. 120.000 €.
- 8 **Contract.** Consumer-Oriented Innovation (CONOCE) TARREGA AMPARO. 01/01/2021-01/01/2022.
- 9 **Contract.** Consumer perception of different dairy products and related concepts FISZMAN SUSANA Researcher.