

Curriculum



Carmen Villatoro

Molecular Laboratory Manager

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Professional Experience

15 Years
(6 in Odournet)

100+ Studies

Education

- PhD. Agronomy, Food Science and Technology
- MSc Agricultural Engineering, Food Science Engineer
- Bsc Agricultural Engineering, Food Science and Technology

Molecular Laboratory Manager

Carmen Villatoro is Odournet's specialist in odour chemistry, bringing 5+ years hands-on experience in carrying out molecular odour testing methods, especially GC-Sniffing, but also GC-MS.

Key Areas of Expertise

- Odor consulting
- GC-MS / GC-Sniffing measurements
- Development of chromatographic methods
- Chemical analysis of odours/VOCs
- Sample treatment for VOCs
- Data Analysis and Signal Processing in Chromatography
- Sensory evaluation

Reference Clients

- UNILEVER
- Ficosota
- Reckitt Benckiser
- Evonik
- Proter & Gamble
- TESA
- Colquimica

Key Skills

Chromatographic method development	<div style="width: 100%; height: 10px; background-color: #76b82a;"></div>
Team work	<div style="width: 80%; height: 10px; background-color: #76b82a;"></div>
Social skills and communication	<div style="width: 80%; height: 10px; background-color: #76b82a;"></div>
Work planning and coordination	<div style="width: 100%; height: 10px; background-color: #76b82a;"></div>

Languages

Spanish	<div style="width: 100%; height: 10px; background-color: #f1c40f;"></div>
Catalan	<div style="width: 100%; height: 10px; background-color: #f1c40f;"></div>
English	<div style="width: 50%; height: 10px; background-color: #f1c40f;"></div>

Key Industries

Fragrances & Air freshness	<div style="width: 90%; height: 10px; background-color: #5dade2;"></div>
Hair & Body care/ Cosmetics	<div style="width: 90%; height: 10px; background-color: #5dade2;"></div>
Food products	<div style="width: 80%; height: 10px; background-color: #5dade2;"></div>
Plastics & Packaging	<div style="width: 90%; height: 10px; background-color: #5dade2;"></div>
Textiles/Nonwoven	<div style="width: 80%; height: 10px; background-color: #5dade2;"></div>
Detergents	<div style="width: 90%; height: 10px; background-color: #5dade2;"></div>
Incontinence products & diapers	<div style="width: 90%; height: 10px; background-color: #5dade2;"></div>
Purifiers & Filters	<div style="width: 90%; height: 10px; background-color: #5dade2;"></div>
Consumer goods	<div style="width: 70%; height: 10px; background-color: #5dade2;"></div>



Conferences & publications

2013

Capacity of a leading edge TD-GCO-TOFMS system to characterise odour emissions from a waste composting plant, FuturENVIRO

2016

Chemical and sensory analysis of a silicone emulsion, Personal Care

2016

Chemical and sensory study of human body odours released by two types of textiles, HPC

2016

Comparative study of odours present in twin fragrances by GC-sniffing-ToFMS, Chemical Engineering Transactions

2018

Investigations into off notes in foods, products and materials by GC-Olfactometry, Chemical Engineering Transactions

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