

# The professional profile of PhD-holders

**Preethi Jayaprakash**

## Biotechnology

PhD in Biotechnology and Food Engineering (Collaboration btw Fluid Air & Université de Lorraine). Expertise in drying processes, Probiotics, microencapsulation and Powder characterisation or stability

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### Core business

#### **PHASE 1 Skill development**

- Microsoft Office (Excel, Word, PowerPoint), Share point.
- Microencapsulation, Spray drying, Lyophilization, Electrostatic spray drying (Manufacturing systems), R&D, HPLC, SEM, AFM, Microbiology skills, Dry blending systems, Physical characterization of solid forms or powders, Scale-up plant operations.
- Industrial Biotechnology and Downstream processing knowledge.
- Formulation, stability, fermentation, powder stability, processing technologies.
- Self-motivated, initiative, Teamwork, Problem solving, Decision making, data-driven mindset, logical problem solver, etc., and Influencing skills.
- Travel flexibility, Project Management, English Proficiency (Written and Verbal communication).

#### **PHASE 1 Evaluation**

#### **PHASE 1 Expertise and methods**

### Personal and relational qualities

#### **PHASE 1 Communication**

#### **PHASE 1 Collaboration**

### Business management and value creation

#### **PHASE 1 Project management**

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