

## Role Profile

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**Job Title:** Scientist - Fermentation  
**Department:** MBio  
**Reports To:** Microbiology Principal Scientist  
**Ref:** Ref-313, V1, 11 October 2024

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### Introduction & Role Overview

With operations in two continents Monaghan Mushrooms is one of the world's largest mushroom producers. MBio is a business unit of Monaghan Mushrooms which houses the innovation capability of Group. The mushroom is a bio-economy superhero and Monaghan firmly positions sustainability and climate impact as a strategic focus for the Group. As Monaghan is vertically integrated the range of innovation extends from compost production right through to mushroom harvesting and waste valorisation. This role is pivotal to achieve the Group's longer term vision to ultimately set the next sustainable benchmark of mushroom production.

MBio are looking for a bright minded, pro-active Fermentation Scientist to join our team. Reporting to the Microbiology Principal Scientist, the Fermentation Scientist will provide specialist fermentation development knowledge and capability.

### Role Deliverables

The deliverables of the Fermentation Scientist role include:

- Work within a small microbiology/ fermentation team to define the process parameters necessary to achieve optimal production conditions.
- To set-up, operate, monitor and optimise microbial fermentation and down stream processes.
- Design of experiment (DOE) to assess the effect of multiple variables on fermentation performance.
- Manage the routine maintenance of fermenters and identifying issues which may impact their performance.
- Application and development of quality system underpinning activities.
- Sampling and sample analysis/ data analysis.
- Media preparation and inventory management.
- Development of technical reports and presentation of data to team members and other stakeholders
- Negotiation of pricing with suppliers.
- Keeping up with the pulse of technology and innovation in the broad area of microbiology, fermentation and down stream processing.

As nature never stops flexibility will be an important feature of this role.

## Competencies to perform the role

This role requires the successful candidate to:

- A passionate belief in sustainability;
- Teamwork: a strong ability to build effective teams within the MBio and broader Monaghan Group;
- Communication: Must have excellent interpersonal and presentation skills;
- Can do attitude: Must have a 'can do' entrepreneurial attitude with a focus on 'doing the right stuff' and 'getting stuff done'!
- Growth: A thirst to learn, grow and keep in touch with innovation within the wider industry;
- Organisation: Highly efficient administration, detail focussed and exacting on time;
- Research standards: conduct research according to the general principles of good research based on honesty, cooperation and responsibility on accurate data acquisition and storage and managing appropriately any conflicts of interest;
- Foster external network to stay on the cutting edge of science and to support project success.

## Experience and Qualifications

### Qualifications

- BSc in Microbial Biotechnology or closely related with at least 2 years of experience working in fermentation optimisation is essential.
- MSc in Microbial Biotechnology or closely related is preferred.

### Experience

- Experience in working on key fermentation/ microbial biotechnology projects will be beneficial.
- Possess excellent computer skills including databases, excel, word and statistical packages.
- Possess excellent communication skills (both written and verbal), excellent interpersonal and presentation skills as well as being team focused.
- Proven record of attention to detail and work with a sense of urgency yet have the ability to be impartial and objective.

## Performing the role in line with the Monaghan Cultural Values:

1. We do the right thing: We use this philosophy to drive every aspect of our business, from product, to process to people
2. Forward Thinking: We think ahead and we think for the long term
3. Down to Earth: We understand the importance of communicating our discoveries in a straightforward way
4. Inspiring: We seek out new ways to excite and inspire each other
5. Egalitarian: We have always been grounded in the belief that everyone is equal. That everyone deserves an equal chance to speak, be heard and make an impact