

Bioprocess Production Technician

Company Description:

TerraVerdae Bioworks is a performance biomaterials and bioprocess development company focused on developing sustainable products and processes from waste resources for a range of high value markets.

Role Description:

TerraVerdae is looking for a Bioprocess Production Technician to join our growing team in establishing a new project based in Charlottetown, PEI. The ideal candidate will have a strong background in bioprocessing, especially in the extraction, purification, and processing of biomaterials.

Position Summary:

- The successful candidate will be a key member of a team focused on development and optimization of bioproduction processes and coordinate bioprocess technology development for extracting high value bioproducts and bio-based chemicals
- Apply the latest knowledge of process engineering, biomolecular extraction, purification and process design including biopolymer chemistry and formulation, biochemistry, and polymer formulation to develop innovative, next generation functional prototype materials and products.
- Work closely with a broader global team including biology and biochemistry researchers, downstream chemists and engineers, and external collaborators to support production of marine biomaterials bio-based chemicals and new products.
- Contribute to the advancement of creative solutions to support the company's technology and commercial development

Responsibilities:

- Support development, evaluation and/or optimization of technologies, processes, methodologies for production of biomaterials and bio-based chemicals.
- Apply the latest knowledge of process engineering, biomolecular extraction, purification, and process design, to develop creative, next generation functional prototype materials and products.
- Be an active contributor to the company's technology and business development including attendance and active participation at company meetings, external events, and other venues as required.

- Develop and establish intellectual property through filing of patents and documenting trade secrets.
- Contribute to development of project plans, protocols, guidelines, SOPs Knowledge of ABS (HACCP and ISO) Standards as well as regulatory requirements and experimental protocols.
- Organize, analyze and synthesize experimental results, and prepare comprehensive reports, support proposals, grants and author technical reports, presentations and other documents in a timely manner and professional format.
- Maintain accurate records, including experimental results, budgets, timecards, and other company information as required.
- Provide information, reports, manuscripts and presentations in a timely manner and professional format.
- Responsibly contribute to managing operations including project timelines, budgets and company finances.
- Establish and maintain effective working relationships with company team members, government, academic, and industry partners, collaborators, and other stakeholders.

Skills & Competencies:

- Works well in teams. Capable of independent supervision, strong project management, organization, facilitation, problem solving, and quantitative analysis skills are essential. Ability to plan projects effectively, set goals, manage several projects simultaneously and meet deadlines
- Excellent oral and written communication skills, including ability to prepare project reports, and contribute to technical papers, reports, presentation, as well as understand and document heterogeneous data and communicate effectively.
- IT Literate including, Office, and other software commonly used by engineers

Education & Qualifications:

- BSc or technical science certificate in Biological Sciences, Biochemistry, Chemical Engineering, or related discipline
- Strong background in bioprocessing techniques with a deep understanding of chemistry, biology, bioreactor design and operating principles (mass transfer, heat transfer, and microbial kinetics).
- Strong mechanical aptitude

To apply:

Please send your cover letter and resume to admin@terraverdae.com with “BioProcess Technican” in the subject line.

Thank you for your interest in this position. To learn more about TerraVerdae, please visit www.terraverdae.com