



Candidate Information

Position:	Research Fellow
School/Department:	The Gibson Institute for Land, Food and Environment
Reference:	22/110420
Closing Date:	Monday 19 December 2022
Salary:	£35,333 - £38,592 per annum
Anticipated Interview Date:	Friday 13 January 2023
Duration:	38 months

JOB PURPOSE:

To be a highly productive, ambitious and collaborative member of the research project/team for the TITAN project, assisting in the planning and delivery of the research activity, specifically in the areas of environmental life cycle analysis and human nutrition. The post is a critical role, and as such, successful applicants will have responsibilities in independent research, planning, collaborations, and outreach.

MAJOR DUTIES:

1. Undertake research under supervision within a specific research project or as a member of a research team.
2. Design, develop and refine research using a range of analytical models, including environmental life cycle analysis.
3. Carry out analyses, critical evaluations, and interpretations of data and the literature using methodologies and other techniques appropriate to area of research, for example, environmental assessment with life cycle analysis, nutrient profiling modelling risk and uncertainty analysis, building and visualising composite indicators, data collection.
4. Produce high quality research outputs consistent with project aims and commensurate with career stage. This will include collaborating and co-authoring with PI and project team (as appropriate) on outputs.
5. In consultation with the project team, promote research milestones and outputs at national/international conferences/events and through social media (where applicable).
6. Assist grant holder in the preparation of funding proposals and applications to external bodies.
7. Carry out occasional educational supervision, demonstrating or lecturing duties within the post holder's area of expertise and under the direct guidance of a member of academic staff.
8. Undertake supplementary duties relevant to the success of the project including administrative duties and additional training and development activities as required.

ESSENTIAL CRITERIA:

1. Have or be about to obtain a *relevant PhD. (*such as in Food, Agriculture, Environmental sciences/engineering).
2. At least 3 years relevant research experience to include:
 - Undertaking research in the area of environmental/sustainability assessment, sustainable food production and/or sustainable agriculture
 - A proven track record of analyses, critical evaluations, and interpretations of data relevant to the research project
 - Working effectively as part of a research team and in the development and promotion of the research theme.
3. Experience of environmental assessment and life cycle analysis (LCA) techniques.
4. Experience of analysis using life cycle assessment software, e.g. SimaPro.
5. Ability to contribute to broader management and administrative processes.
6. Contribute to the School's outreach programme by links with industry, community groups etc.
7. Commitment to continuous professional development.
8. Ability to assess and organise resources.
9. Ability to communicate complex information effectively in oral and written format.
10. Ability to build relationships to develop internal and external networks.
11. Practical problem-solving skills, independence of thought and initiative.

DESIRABLE CRITERIA:

1. Strong publication record commensurate with stage of career.
2. Knowledge of or experience of nutrition and the related health aspects of food.
3. Familiarity with stochastic and probabilistic methods, optimization techniques.
4. Knowledge of or experience of building and/or visualising composite indicators.
5. Experience of programming languages (e.g., R) or/and software (e.g., SPSS) in data analysis and visualisation.
6. Experience of data collection methods (e.g., using national/international databases).
7. Experience of disseminating research findings to a non-academic audience.