

JOB DESCRIPTION



Job Title:	Senior Research Assistant
School/Service:	Forensic and Applied Science
Grade:	F
Responsible to:	Professor Karl Williams
Responsible for:	None

Job Purpose:

As part of a team of experienced researchers, the post will contribute to strengthening and supporting the research area of thermolysis, whilst further developing their own research skills and experience.

Limited term contract to work on both commercial and research projects within the CWM including Thermolysis Project. The post holder will provide support to the development/commissioning and operation of the Thermolysis Plant being built. They will liaise with both internal and external stakeholders to carry out analysis and testing as required. They will also support in the co-ordination of trial tests and data analysis.

Main Duties and Responsibilities:

1. To contribute to all aspects of research in the area of thermal treatment of waste.
2. To undertake the collection and management of data relevant to designated projects for example, literature searching and review, qualitative and quantitative data collection, setting up data files, input/cleaning and analysis as per research protocols.
3. To contribute to the collation of findings and the preparation of full papers to disseminate research findings including refereed journal articles and conference papers.
4. To provide administrative support and facilitate project-planning and operational update meetings as required.
5. To provide the day to day management of research project resources and/or facilities.
6. To contribute to the development of new projects including providing support for established researchers in the preparation of bids.
7. Adhere to appropriate ethical, and research governance, standards for research and protect confidentiality throughout this work.
8. To undertake any other additional research related activities as requested by the nominated line manager or the Head of School.

Signed:		Date:	
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PERSON SPECIFICATION

Job Title:	Senior Research Assistant
School/Service:	Forensic and Applied Sciences
Grade:	F

Attributes	Essential	Desirable	Measured By
Work Experience	<p>Experience of working in chemical engineering, energy or science related fields</p> <p>Experience of undertaking qualitative and/or quantitative methodologies research studies</p> <p>To have produced written research reports</p>	<p>Existing networks nationally and/or international within the field of thermolysis</p> <p>Experience of working with industry</p> <p>Experience of quantitative and qualitative data collection and analysis</p> <p>To be able to perform literature reviews</p>	<p>Application Form</p> <p>Interview</p>
Education/ Qualifications	<p>Good honours degree (2:1 or above) or equivalent</p> <p>Masters degree or higher post-graduate qualification in related area</p>	<p>Relevant membership of professional bodies (CIWM, IEMA, ISWA, EI)</p> <p>Study of statistics as part of undergraduate degree course</p> <p>Professional qualification</p>	<p>Application Form</p>
Skills/ Abilities	<p>Understanding of ethical research governance, data protection issues and implications for research</p> <p>IT literate (Microsoft Word, Excel, Statistical software)</p> <p>Competence in one relevant piece of statistical software (e.g., SPSS, R, Stata, Minitab, GENSTAT)</p> <p>Excellent oral and written communication skills</p> <p>Excellent interpersonal skills</p> <p>Self-motivates with the ability to motivate others</p> <p>Excellent organisational skills with the ability to work in a team</p>	<p>Ability to contribute to the enhancement of the research culture within the School</p> <p>Ability to explain basic statistical concepts, methods and results to academics</p>	<p>Application Form</p> <p>Interview</p>
Other	<p>An understanding of and demonstrable commitment to the University's Values of Common Sense, Compassion, Teamwork, Attention to Detail, and Trust as a framework for decisions, actions and behaviours.</p> <p>Interest in research in the area of waste management</p>		<p>Application Form</p> <p>Interview</p>

