# Position Details

## Research Projects- CSOF4

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| The following information is for applicants | |
| Advertised Job Title | Research Technician |
| Job Reference | 77121 |
| Tenure | Specified Term of 3 years  Full-time |
| Salary Range | AU$85,361- $$96,573 + up to 15.4% superannuation |
| Location(s) | Perth, Western Australia |
| Relocation Assistance | Will be provided to the successful candidate if required |
| Applications are open to | * Australian/New Zealand Citizens and Australian Permanent Residents Only |
| Position reports to the | Colin Wood, Team Leader, CSIRO Energy |
| Client Focus – Internal | 40% |
| Client Focus – External | 60% |
| Number of Direct Reports | 0 |
| Enquire about this job | Colin.wood@csiro.au |
| How to apply | Apply online at <https://jobs.csiro.au/>  Internal applicants please apply via **Jobs Central**  If you experience difficulties when applying, please email [careers.online@csiro.au](mailto:careers.online@csiro.au) or call 1300 984 220. |

### Role Overview

Research projects staff in CSIRO undertakes collaborative scientific and technological activities with other research staff usually by assisting with detailed planning, undertaking or assisting with experimental, observational or technology development work, and in carrying out the more practical aspects of the research.

This role will support the reservoir productivity team in the development of materials for contaminant management. This includes materials for managing unwanted production of CO2, mercury and hydrogen sulfide. Specifically, this will include materials development, detailed testing, assistance with scale-up and implementation of technologies for CO2 capture and contaminant management.

### Duties and Key Result Areas:

* Carry out material synthesis and characterisation with an emphasis on polymeric materials;
* Detailed performance evaluation of materials for contaminant management and in the first instance this will focus on materials for CO2 capture;
* Utilizing the results of material testing to provide data necessary for the further development and optimization of material properties;

Represent CSIRO externally with industry or the research sector or with Government.

* Make significant contributions to the interpretation and communication of research or technological results and may collaborate on drafting presentations to, and/or detailed written reports for, clients and the scientific and/or technology community.
* Under general direction participate in planning projects and accept responsibility for the scheduling and completion of major parts of projects, including allocating and directing tasks where appropriate.
* Adapt and/or develop original experimental methods/equipment/software/concepts/ ideas in support of existing and further research, promptly addressing where methods may not be defined and initiative is required in seeking new approaches to meet experimental and/or technological needs.
* Communicate openly, effectively and respectfully with all staff, clients and suppliers in the interests of good business practice, collaboration and enhancement of CSIRO’s reputation.
* Work collaboratively as part of a multi-disciplinary, and business unit to carry out tasks in support of CSIRO’s scientific objectives.
* Adhere to the spirit and practice of CSIRO’s Code of Conduct, Health, Safety and Environment procedures and policy, Diversity initiatives and Making Safety Personal goals.
* Other duties as directed.

## **Required Competencies:**

* **Teamwork and Collaboration:** Cooperates with others to achieve organisational objectives and may share team resources in order to do this. Collaborates with other teams as well as industry colleagues.
* **Influence and Communication:** Uses knowledge of other party's priorities and adapts presentations or discussions to appeal to the interests and level of the audience. Anticipates and prepares for others reactions.
* **Resource Management/Leadership:** Allocates activities, directs tasks and manages resources to meet objectives. Provides coaching and on the job training, recognises and supports staff achievements and fosters open communication in the team.
* **Judgement and Problem Solving:** Investigates underlying issues of complex and ill-defined problems and develops appropriate response by adapting/creating and testing alternative solutions.
* **Independence:** Recognise and makes immediate changes to improve performance (faster, better, lower cost, more efficiently, better quality, improved client satisfaction).
* **Adaptability:**Copes with ambiguity or situations that lack clarity. Adapts readily to changing circumstances and new responsibilities (which may include activities outside own preferences) in the interests of achieving team objectives. Recognises the need for and undertakes personal development as a result of changes.

## **Selection Criteria**

#### Essential

*Under CSIRO policy only those who meet all essential criteria can be appointed.*

1. Relevant bachelors and/or equivalent relevant work experience in chemistry/materials synthesis or chemical engineering
2. Experience working in a laboratory environment with demonstrated record of conducting independent research (i.e., report publication, journal publications or industry experience).
3. Experience with material/chemical synthesis and characterisation.

## **Desirable:**

1. Experience with gas storage and/or processing
2. Expertise in polymer science/engineering
3. Knowledge around high pressure/temperature processes
4. Industry or laboratory experience in a research and development environment
5. Co-author on scientific journal publications and/or technical reports

Special Requirements

Appointment to this role may be subject to conditions including provision of a national police check as well as other security/medical/character clearance requirements.

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