



# RESEARCH FELLOW

DEPARTMENT/UNIT	Chemical Engineering
FACULTY/DIVISION	Faculty of Engineering
CLASSIFICATION	Level A
WORK LOCATION	Clayton campus

## ORGANISATIONAL CONTEXT

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Monash is a university of transformation, progress and optimism. Our people are our most valued asset, with our academics among the best in the world and our professional staff revolutionising the way we operate as an organisation. For more information about our University and our exciting future, please visit [www.monash.edu](http://www.monash.edu).

The **Faculty of Engineering** is one of the largest in Australia, renowned worldwide for the quality and calibre of our teaching, research and graduates. We offer a comprehensive range of undergraduate, graduate, postgraduate and higher degree by research programs in a wide range of engineering disciplines. Our research activities provide a platform for establishing a thriving educational enterprise and our staff are committed to creating a dynamic learning environment. The research activities range from fundamental studies to research with a strong applications orientation. To learn more about the Faculty of Engineering, please visit [our website](#).

The **Department of Chemical Engineering** is very active in both undergraduate teaching and postgraduate research and has an international reputation for its quality research programs and postgraduate training. The objectives of the Department are to provide high-quality programs in Chemical Engineering for undergraduate and postgraduate students as well as undertaking and publishing high-quality research. For more information about us and the work we do, please visit [our website](#).

## POSITION PURPOSE

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A Level A research-only academic is expected to contribute towards the research effort of the university and to develop her/his research expertise through the pursuit of defined projects relevant to the particular field of research.

The successful candidate will carry out research in the areas of membrane technology for water processing and help to mentor and train postgraduate and undergraduate research students. The candidate will also help to manage research collaborations with other academic groups, local industry, and international corporations.

**Reporting Line:** This position reports to Professor Huanting Wang

**Supervisory Responsibilities:** No direct reports may however supervise students

**Financial Delegation:** Not applicable

**Budget Responsibilities:** Not applicable

## KEY RESPONSIBILITIES

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A Level A research-only academic shall work with support, guidance and/or direction from staff classified at Level B and above and with an increasing degree of autonomy as the research academic gains in skill and experience.

Specific duties required of a Level A research-only academic may include:

1. The conduct of research under limited supervision either as a member of a team or, where appropriate, independently and the production or contribution to the production of conference and seminar papers and publications from that research
2. Involvement in professional activities including, subject to availability of funds, attendance at conferences and seminars in the field of expertise
3. Limited administrative functions primarily connected with the area of research of the academic;
4. Development of a limited amount of research-related material for teaching or other purposes with appropriate guidance from other staff
5. Occasional contributions to teaching in relation to her/his research project(s)
6. Experimental design and operation of advanced laboratory and technical equipment or conduct of advanced research procedures
7. Attendance at meetings associated with research or the work of the organisational unit to which the research is connected and/or at departmental, school and/or faculty meetings and/or membership of a limited number of committees
8. Advice within the field of the staff member's research to postgraduate students

## KEY SELECTION CRITERIA

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### Education/Qualifications

1. The incumbent should possess:
  - A PhD in Chemical Engineering or Materials Science and Engineering or a related discipline from a recognised university or equivalent qualifications and research experience in the area; or
  - an equivalent combination of relevant experience and/or education/training

### Knowledge and Skills

2. The ability to work independently in a research environment (with limited supervision)
3. The ability to work as part of a team
4. The ability to prepare and communicate the aims and outputs of research projects in a range of formats including formal and informal oral presentations, refereed research papers and reports
5. Well-developed computer literacy (i.e. word processing and use of databases)
6. Experience in membrane materials and processing is a must

## OTHER JOB RELATED INFORMATION

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- Travel (e.g. to other campuses of the University) may be required
- There may be peak periods of work during which the taking of leave may be restricted
- Possession of a current Victorian driver licence is desirable

## LEGAL COMPLIANCE

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Ensure you are aware of and adhere to legislation and University policy relevant to the duties undertaken, including: Equal Employment Opportunity, supporting equity and fairness; Occupational Health and Safety, supporting a safe workplace; Conflict of Interest (including Conflict of Interest in Research); Paid Outside Work; Privacy; Research Conduct; and Staff/Student Relationships.