



POSITION DESCRIPTION

School of Ecosystem & Forest Sciences
Faculty of Science

Senior Lecturer in Urban Horticulture

POSITION NO	0046666
CLASSIFICATION	Level C
SALARY	Level C \$120,993 - \$139,510 per annum Level of appointment is subject to qualification and experience
SUPERANNUATION	Employer contribution of 17%
WORKING HOURS	Full time (1.0 FTE)
BASIS OF EMPLOYMENT	Continuing
OTHER BENEFITS	http://about.unimelb.edu.au/careers/working/benefits
HOW TO APPLY	Online applications are preferred. Go to http://about.unimelb.edu.au/careers , select the relevant option ('Current Staff' or 'Prospective Staff'), then find the position by title or number.
CONTACT FOR ENQUIRIES ONLY	Professor Ian Woodrow Tel +61 3 8344 7503 Email: sefs-hos@unimelb.edu.au <i>Please do not send your application to this contact</i>

For information about working for the University of Melbourne, visit our website:
about.unimelb.edu.au/careers

Position Summary

The School of Ecosystem and Forest Sciences (SEFS) aims to lead and build passion and excellence to solve society's major challenges of sustainable land, food and environment.

You will be a highly qualified and motivated individual with relevant expertise in one of the following: urban horticulture, green infrastructure, urban forestry or urban green space management. The appointee will grow the emerging research and teaching opportunities in this area and will be expected to undertake individual research, supervise research students, teach and administer components of the School's undergraduate and graduate programs. The appointee is expected to shape and lead the discipline into the future and complement the existing research being undertaken in the School, particularly at the Burnley Campus.

1. Key Responsibilities

The position description should be read alongside [Academic Career Benchmarks and Indicators](#) and the [Academic Performance Framework](#).

1.1 RESEARCH AND RESEARCH TRAINING

The appointee will be expected to:

- ▶ Conduct research that contributes to the School's strategic priorities in urban horticulture, green infrastructure or urban green space management
- ▶ Publish research findings in high-quality international refereed journals and present results at national and international seminars, conferences, and meetings.
- ▶ Engage with internal and external research collaborators and stakeholders, to strengthen and grow your own outcomes, and the School's, profile and reputation.
- ▶ Actively supervise research students (honours, masters, and/or PhD students).
- ▶ Prepare research proposals for submission to external funding bodies to successfully obtain external funding to support the School's strategic research direction.
- ▶ Significantly contribute to research projects including leadership of research teams or management of projects where applicable.

1.2 TEACHING AND LEARNING

The appointee will be expected to:

- ▶ Actively contribute to the School's undergraduate and graduate teaching programs including the preparation and delivery of lectures, practicals and field work activities
- ▶ Actively contribute to curriculum development, including innovative approaches to blended delivery (i.e. online and multi-media options)
- ▶ Complete student assessment consistent with University policy and procedures, including the published handbook assessment requirements, the provision of formative assessment to students, submission of final marks and attendance in the Board of Examiners meetings.
- ▶ Provide mentoring and support to academic peers and assistance to students as required.

1.3 LEADERSHIP AND SERVICE

The appointee will be expected to:

- ▶ Contribute to a range of administrative functions, including those connected with teaching responsibilities and the conduct of the academic affairs of the School.
- ▶ Actively participate in School and/or Faculty meetings and/or the committees that have responsibility for the academic affairs of the School.
- ▶ Involvement in professional activity in the discipline.
- ▶ Actively contribute to School activities such as Open Day to promote student engagement.

1.4 OTHER

The appointee will be expected to:

- ▶ Be located primarily at the Burnley Campus, but will be required at times to work from the Parkville Campus
- ▶ Actively participate in the University Performance Development Framework,
- ▶ Ensure an up-to-date record of University compliance courses, such as, but not limited to, Appropriate Workplace Behaviour, PDF for Staff and Supervisors, OH&S training courses.
- ▶ Occupational Health and Safety (OH&S) and Environmental Health and Safety (EH&S) responsibilities as outlined in section 4.

2. Selection Criteria

2.1 ESSENTIAL

- ▶ A PhD in Horticulture, Plant Science, Botany or equivalent related discipline.
- ▶ A demonstrated aptitude for independent research in the areas of urban horticulture, green infrastructure or urban green space management with a strong record of publication, a record of gaining external competitive research grants, commensurate with experience and opportunities.
- ▶ A demonstrated ability to provide national leadership in one or more of the School's strategic research priorities.
- ▶ A demonstrated capacity to establish research links and engage with a broad range of researchers nationally and internationally.
- ▶ Evidence of the ability to attract external research funding from national competitive research bodies and other sources, including industry.
- ▶ A track record of success in teaching at university level, the ability to teach large undergraduate classes, and the ability to develop and teach relevant discipline subjects at a graduate level, on topics including of urban horticulture to landscape management.
- ▶ A demonstrated capacity to supervise undergraduate and graduate research students.
- ▶ Excellent oral and written communication skills in English.
- ▶ Demonstrated ability to work collaboratively and to contribute to the organisational development of the School, Faculty and the University.
- ▶ Excellent interpersonal and organisational skills including the ability to project manage and meet deadlines.

2.2 DESIRABLE

- ▶ Research outcomes that impacted on urban green space management and/or policy or have practical outcomes in green space management.

3. Equal Opportunity, Diversity and Inclusion

The University is an equal opportunity employer and is committed to providing a workplace free from all forms of unlawful discrimination, harassment, bullying, vilification and victimisation. The University makes decisions on employment, promotion and reward on the basis of merit.

The University is committed to all aspects of equal opportunity, diversity and inclusion in the workplace and to providing all staff, students, contractors, honorary appointees, volunteers and visitors with a safe, respectful and rewarding environment free from all forms of unlawful discrimination, harassment, vilification and victimisation. This commitment is set out in the University's People Strategy 2015-2020 and policies that address diversity and inclusion, equal employment opportunity, discrimination, sexual harassment, bullying and appropriate workplace behaviour. All staff are required to comply with all University policies.

The University values diversity because we recognise that the differences in our people's age, race, ethnicity, culture, gender, nationality, sexual orientation, physical ability and background bring richness to our work environment. Consequently, the People Strategy sets out the strategic aim to drive diversity and inclusion across the University to create an environment where the compounding benefits of a diverse workforce are recognised as vital in our continuous desire to service for excellence and reach the targets of Growing Esteem.

4. Occupational Health and Safety (OHS)

All staff are required to take reasonable care for their own health and safety and that of other personnel who may be affected by their conduct.

OHS responsibilities applicable to positions are published at:

<http://safety.unimelb.edu.au/topics/responsibilities/>

These include general staff responsibilities and those additional responsibilities that apply for Managers and Supervisors and other Personnel.

5. Other Information

5.1 ORGANISATION UNIT

The School of Ecosystem and Forest Sciences (SEFS) is Australia's premier research and education provider dedicated to the study of ecosystem processes, sustainable land management, and environmental social science in forest and other ecosystems, covering the full range from natural to highly urbanised systems. SEFS combines expertise in the biological and physical sciences with environmental social science to provide research and teaching of applied ecosystem science that is relevant to society, delivering innovative solutions to the environmental issues faced by a rapidly growing global community. Our work spans from molecular to ecosystem scales, from technology to sociology, and from city to wilderness.

Established research strengths include 'Integrated Forest Ecosystem Research', 'Bushfire Science', 'Green Infrastructure', and 'Ecohydrology'. SEFS features significant cross-institutional collaborations and engagement activities with many industries throughout Australia and South-east Asia.

As a School we deliver a major in the Bachelor of Science (Ecosystem Science) and provide leadership in applied sciences through our Postgraduate Coursework degrees, including the Master of Ecosystem and Conservation Management, Master of Urban Horticulture, and Graduate Certificates in Arboriculture, Bushfire Planning and Management, Garden Design and Green Infrastructure; providing individuals working in industry with opportunities for intensive and career-directed learning and skills development.

As one of seven Schools within the Faculty of Science, SEFS operates from three locations:

- the University's main Campus at Parkville;
- the suburban Burnley Campus with a century old tradition of excellence in urban horticulture, which today is a dynamic multidisciplinary research centre with a focus on green infrastructure, urban ecology, ecohydrology and forest science; and
- the regional Creswick Campus, the University's specialist campus for forest science and the birthplace of forest education and research in Australia, which today also is home to significant plant and crop science initiatives of other Faculties.

Our extensive teaching and research facilities at all three campuses are complemented by a number of long-term field research sites including 'Long Term Fire Effects Study Areas' established in the 1980s, the Little Stringybark Creek urban catchment experiment, and a 'Terrestrial Ecosystem Research Network Super Site' in the Wombat State Forest, close to Creswick, which represent a significant strength of the new School.

Information on the School of Ecosystem & Forest Sciences can be found at <https://ecosystemforest.unimelb.edu.au/>

5.2 BUDGET DIVISION

<http://www.science.unimelb.edu.au>

Science at the University of Melbourne is the most highly ranked Faculty of Science in Australia*. Science is defined by its research excellence in the physical and life sciences and is at the forefront of research addressing major societal issues from climate change to disease. Our discoveries help build an understanding of the world around us.

We have over 150 years of experience in pioneering scientific thinking and analysis, leading to outstanding teaching and learning and offer a curriculum based on highly relevant research, which empowers our STEM students and graduates to understand and address complexities that impact real world issues and the challenges of tomorrow.

We aspire to engage the broader community with the impact that Science has on our everyday lives. Through the strength of our internships and research project offerings, our students are provided opportunities to engage with industry partners to solve real-world issues.

The Faculty of Science has over 50,000 alumni and is one of the largest faculties in the University comprising seven schools: BioSciences, Chemistry, Earth Sciences, Ecosystem and Forest Sciences, Geography, Mathematics and Statistics, and Physics.

The Faculty is custodian of the Bio21 Molecular Science and Biotechnology Institute, Office for Environmental Programs and home to numerous Centres.

Science manages more than \$290 million of income per annum, with a staff base in the order of 270 professional staff, and more than 580 academic staff.

We offer a range of undergraduate, honours, graduate and research degrees; enrolling over 8,600 undergraduate and 2,440 graduate students. The Faculty of Science is the custodial Faculty for the BSc (Bachelor of Science). The Faculty of Science is a leader in research, contributing approximately \$70 million in HERDC income per annum. The Faculty of Science is highly research focused, performing strongly in the ARC competitive grants schemes, often out-performing the national average. The Faculty of Science is currently growing its competitiveness and standing in the NHMRC space.

The Faculty of Science provides community services and industry partnerships based on a solid foundation of research in the pure and applied sciences. The Faculty has an endowment of approximately \$56 million. The annual income from the endowment supports more than 120 prizes, scholarships and research awards.

*Figures from the latest available data for 2015, including published international rankings data.

5.3 THE UNIVERSITY OF MELBOURNE

Established in 1853, the University of Melbourne is a leading international university with a tradition of excellence in teaching and research. The main campus in Parkville is recognised as the hub of Australia's premier knowledge precinct comprising eight hospitals, many leading research institutes and a wide-range of knowledge-based industries. With outstanding performance in international rankings, the University is at the forefront of higher education in the Asia-Pacific region and the world.

The University employs people of outstanding calibre and offers a unique environment where staff are valued and rewarded.

Further information about working at The University of Melbourne is available at <http://about.unimelb.edu.au/careers>

5.4 GROWING ESTEEM, THE MELBOURNE CURRICULUM AND RESEARCH AT MELBOURNE: ENSURING EXCELLENCE AND IMPACT TO 2025

Growing Esteem describes Melbourne's strategy to achieve its aspiration to be a public-spirited and internationally-engaged institution, highly regarded for making distinctive contributions to society in research and research training, learning and teaching, and engagement. <http://about.unimelb.edu.au/strategy-and-leadership>

The University is at the forefront of Australia's changing higher education system and offers a distinctive model of education known collectively as the Melbourne Curriculum. The new educational model, designed for an outstanding experience for all students, is based on six broad undergraduate programs followed by a graduate professional degree, research higher degree or entry directly into employment. The emphasis on academic breadth as well as disciplinary depth in the new degrees ensures that graduates will have the capacity to succeed in a world where knowledge boundaries are shifting and reforming to create new frontiers and challenges. In moving to the new model, the University is also aligning itself with the best of emerging European and Asian practice and well-established North American traditions.

The University's global aspirations seek to make significant contributions to major social, economic and environmental challenges. Accordingly, the University's research strategy *Research at Melbourne: Ensuring Excellence and Impact to 2025* aspires to a significant

advancement in the excellence and impact of its research outputs.

<http://research.unimelb.edu.au/our-research/research-at-melbourne>

The strategy recognises that as a public-spirited, research-intensive institution of the future, the University must strive to make a tangible impact in Australia and the world, working across disciplinary and sectoral boundaries and building deeper and more substantive engagement with industry, collaborators and partners. While cultivating the fundamental enabling disciplines through investigator-driven research, the University has adopted three grand challenges aspiring to solve some of the most difficult problems facing our world in the next century. These Grand Challenges include:

- ▶ Understanding our place and purpose – The place and purpose grand challenge centres on understanding all aspects of our national identity, with a focus on Australia's 'place' in the Asia-Pacific region and the world, and on our 'purpose' or mission to improve all dimensions of the human condition through our research.
- ▶ Fostering health and wellbeing – The health and wellbeing grand challenge focuses on building the scale and breadth of our capabilities in population and global health; on harnessing our contribution to the 'convergence revolution' of biomedical and health research, bringing together the life sciences, engineering and the physical sciences; and on addressing the physical, mental and social aspects of wellbeing by looking beyond the traditional boundaries of biomedicine.
- ▶ Supporting sustainability and resilience – The sustainability and resilience grand challenge addresses the critical issues of climate change, water and food security, sustainable energy and designing resilient cities and regions. In addition to the technical aspects, this grand challenge considers the physical and social functioning of cities, connecting physical phenomena with lessons from our past, and the implications of the technical solutions for economies, living patterns and behaviours.

Essential to tackling these challenges, an outstanding faculty, high performing students, wide collaboration including internationally and deep partnerships with external parties form central components of Research at Melbourne: Ensuring Excellence and Impact to 2025.

5.5 GOVERNANCE

The Vice Chancellor is the Chief Executive Officer of the University and responsible to Council for the good management of the University.

Comprehensive information about the University of Melbourne and its governance structure is available at <http://www.unimelb.edu.au/governance>