

2022-2023

Chemistry Colloquium Series



Tuesday August 9th, 2:30pm
Room TBA

Novel Technologies for Improved Wine Production



Dr. Kerry Wilkinson

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Around the world, wine industries make significant contributions to local economies (through employment, domestic sales and exports, and wine tourism), but making and selling wine, even in a 'good' year, has become increasingly challenging. To ensure the long-term economic viability of our grapegrowers and winemakers, we must overcome challenges associated with climate change (not just prolonged droughts and heatwaves, but intermittent frost, bushfire and flood events), new pests and diseases, unfavourable exchange rates, increased production costs, and a continually evolving consumer base.

Historically, wineries rely on inefficient practices and a relatively low level of technological innovation, especially compared with other food and beverage industries. In this presentation, Professor Kerry Wilkinson will share research findings from projects that evaluated the potential for novel technologies to enhance the quality, efficiency and/or profitability of wine production, including: flash détente, membrane filtration and spinning cone column distillation..



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