

QUT signs MOU with Japan Bioindustry Association to advance bioindustries

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QUT has signed a Memorandum of Understanding (MOU) with the Japan Bioindustry Association (JBA) to strengthen collaboration and drive innovation in the biomanufacturing sectors in Japan and Australia.

The agreement aims to advance bioindustries in both nations, delivering economic and social benefits and supporting a sustainable future based on bioeconomy principles.

QUT is recognised as a leading university in bioeconomy research, particularly with the research focus of the QUT Centre for Agriculture and the Bioeconomy.

The university works closely with industry partners, governments, and research organisations to accelerate the development of biomanufacturing industries.

Its expertise spans research, process development and scale-up, technoeconomic assessment, and life cycle analysis of technologies and products.

QUT also boasts an extensive portfolio of research infrastructure, supporting all stages of the research and development pipeline, from ideation and lab-scale research to large-scale translation.

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Backed by the Australian and Queensland governments and in partnership with Australia's Food and Beverage Accelerator (FaBA), the facility is designed to help innovative companies collaborate with QUT researchers to develop new food products and bioproducts that offer sustainable solutions to agricultural challenges.

By providing this unique infrastructure, the QUT Pioneer BioPilot positions Queensland as a globally connected innovation hub for biomanufacturing. It offers companies across the Asia-Pacific region the opportunity to take ideas beyond the lab and into commercial reality, reinforcing QUT's commitment to driving regional innovation and sustainable economic growth.

QUT Centre for Agriculture and the Bioeconomy researcher Professor Ian O'Hara said the QUT Pioneer BioPilot had played a crucial role for industry for the past 15 years in the real-world translation of research, converting biomass such as sugarcane biogases into biofuels, green chemicals and bioproducts.

"The QUT Pioneer BioPilot is pioneering research and innovation in biomanufacturing, working with government and industry to position Queensland as a globally connected innovation hub," Professor O'Hara said.

"Real-world impact is at the heart of QUT's research commitment, where knowledge and innovation tackle global challenges and deliver locally grounded solutions."