



LIFE SCIENCES WA

Issue 20 brings you the latest news in the agriculture, aquaculture, and health sectors. We wrap up the first Life Sciences WA event for 2023, open the doors to a new biomedical training centre, and delve into the current state of the world's kelp forests.

Life Sciences WA's first event for 2023 - A SME's Guide to Good Manufacturing Practice

What an incredible turnout we had for our presentation on the topic of Good Manufacturing Practice and ISO 13485. There were some great lessons to be learned from others who have already taken the journey such as start early, keep it simple and include everyone!

Many thanks to our speakers Dr Janet Preuss from Biotech Recruitment Consultants, Richard Chipper from Australian Institute of Robotic Orthopaedics, James Hill from Singular Health Group Ltd, Monique Cannon from Orthocell Ltd and Professor Kevin Pflieger from The University of Western Australia and WA Life Sciences Innovation Hub.



20 Trees Planted in Brazil

In lieu of a traditional bottle of wine as a thank you gift for the presenters at the Life Sciences WA GMP networking event, we've opted to gift the plantation of 20 trees!

This plantation has proven essential for the reforestation, conservation and protection of endangered forests around the world. With our help, we have been able to support the habitats of Brazil's iconic wildlife species, restore forests and improve the connectivity of fragmented forests, and provide jobs to community members and smallholder farming families.



AI machine learning may help reduce deaths after non-cardiac surgery

A new study led by a PhD researcher from The University of Western Australia has found that artificial intelligence using computer or machine learning may help reduce common cardiovascular complications after non-cardiac surgery, including heart attacks and injuries to the heart muscle.



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New biomedical training centre opens doors to brighter future

A new training centre dedicated to developing the next generation of skilled workers in the Australian life sciences industry has been launched at The University of Western Australia.

The ARC Training Centre for Next Gen Technologies in Biomedical Analysis will be led by Associate Professor Swaminatha-Iyer, from UWA's School of Molecular Sciences, supported by chief investigators Professor Donna Geddes, Professor Charles Bond, Associate Professor Brendan Kennedy, Dr Nicole Smith, Dr Haibo Jiang, Associate Professor Keith Stubbs and Dr Nicolas Taylor.

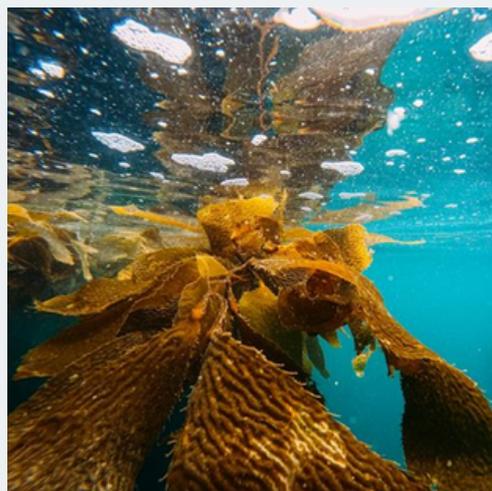


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Marine ecologists headline major UN report into world's kelp forests

Marine ecologists and an environmental law specialist from The University of Western Australia are lead contributors to the most comprehensive review undertaken on the state of the world's kelp forests.

Professor Thomas Wernberg, Senior Research Fellow Dr Karen Filbee-Dexter and PhD candidate Jurgen Valckenaere from UWA's School of Biological Sciences and Oceans Institute, and Professor Erika Techera from the UWA Law School, contributed to the United Nation's Environment Program report [Into the Blue: Securing a Sustainable Future for Kelp Forests](#) as coordinating authors and editor.



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Over 1100 walkers raise more than \$1.4m for cancer research

A record 1153 walkers hit Perth streets on the morning of Saturday 29th of April for the 10th annual New Town Toyota Walk for Women's Cancer. Together they have raised more than \$1.45m for cancer research at Perth's Harry Perkins Institute of Medical Research.

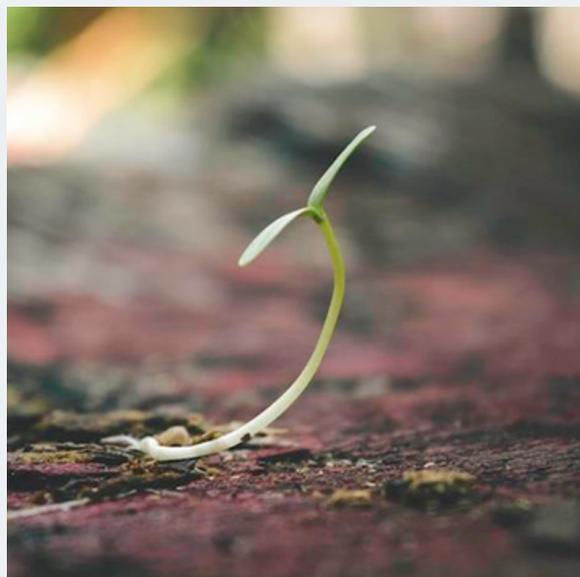


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Trials delve into soil renovation impact on soilborne diseases and nematode pests

Soil amelioration can reduce the impact of soilborne diseases and nematode pests over multiple seasons, Department of Primary Industries and Regional Development (DPIRD) trials have revealed.

DPIRD plant pathologist Sarah Collins said the type of soil renovation and the mobility of the pest or disease could make a difference to how long the benefits lasted.



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Boxing training study for Parkinson's yields encouraging data

Boxing training has become a popular form of exercise for people with Parkinson's but until now, there has been little high-quality data on its feasibility, safety and efficacy for this neurodegenerative disorder.

Now, a Western Australian-led study addressing deficiencies in the knowledge base has shown that non-contact boxing training for people in the early stages of Parkinson's is well tolerated, safe and provides a stimulating all round work out.



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New Industries Fund: WA Innovator of the Year applications are now open

The WA Innovator of the Year (IOTY) has showcased innovative and entrepreneurial individuals, businesses and creative minds since 2006.

The program acknowledges and rewards exceptional innovators and entrepreneurs in Western Australia who have developed an outstanding innovative product, technology or service, which is at the emerging innovation or growth phase of development.

Applications for the 2023 program are now open, and close at 11:00am (AWST) Friday 9 June 2023.



[Apply](#)

Fish of the Perth Coast and a Life in Marine Science with Glen Whisson - 22/05/2023

Shire of Mundaring Libraries is very pleased to present Dr Glen Whisson in this fascinating talk about his work in the wonderful world of aquatic science. Dr Whisson will discuss fish diversity around Perth, biodiversity monitoring, and the two excellent books he co-authored with Alexandra Hoschke: *The Rottnest Island Fish Book* (2017) and *The Perth Coast Fish Book* (2021). You will also learn about the role of citizen science and get an insight into Dr Whisson's future publication and research plans.



[Register](#)

WA Biodiscovery Bill Information Session - Perth - 31/05/2023

The Department of Jobs, Tourism, Science and Innovation (JTISI) is developing the WA Biodiscovery Bill (the Bill). A series of information sessions are being held as part of the second phase of stakeholder engagement on the Bill. All stakeholders, including Aboriginal people and representative organisations, researchers and businesses are invited to participate in the sessions.



[Register](#)

UNAAWA World Oceans Day - 13/06/2023

Come and join us at the Old Courthouse Fremantle to hear from an expert panel on the UN Ocean Decade and what it means for Western Australia. Network with like-minded ocean enthusiasts from diverse backgrounds and find out steps you can take to help protect our oceans during this critical time.



[Register](#)

Industry Forum: Paving the way for the next generation of WA agriculture - 19/07/2023

The UWA Institute of Agriculture warmly invites all interested members of the public to explore the topic 'Paving the way for the next generation of WA agriculture' at its 17th-annual Industry Forum on Wednesday, 19 July at The University Club of WA Ground Floor Auditorium. This event will feature a lively discussion between agriculture industry leaders and analysts, innovative researchers and working farmers. Following formal presentations, all attendees are invited to join us for a fully-catered networking sundowner.



[Register](#)

