

FACULTY OF SCIENCE RESEARCH BULLETIN



Charles Sturt
University

ISSUE 4: May 2020

Welcome to Issue 4 of the Faculty of Science Research Bulletin for 2020 and Happy Friday!

In this issue we meet Dr Muhammed Yakin in the School of Dentistry and Health Sciences. Muhammad's research interest is in biomarkers in addition to diagnostic oral histopathology.

There is also some great resources to assist you to tackle research in a COVID world, plenty of good news stories and information about funding opportunities and don't miss the 'Staying well during your PhD' session presented by Hugh Kearns featured on the Professional Development Calendar.

The bulletin is emailed to all staff and HDR candidates in the Faculty of Science in the first week of each month. If you have a news item, a resource, announcement or a great achievement related to research or HDR candidature you'd like to share, please send it to [Melanie](#) for inclusion in the next bulletin.

Previous issues of the bulletin can be downloaded from the Faculty of Science Research Bulletin page [here](#).

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Congratulations – Approved for Graduation



Ashleigh Kilgannon, thesis titled “A Practical Means to Accelerate Beef Ageing and Sustain Acceptable Eating Quality and Safety: Chilled Storage Temperature Manipulation”.

Christopher Owens, thesis titled “A Comparison of Two Equine Castration Techniques”.

Neeta Karve, thesis titled “Impact of Germination on Yellow Pea Flour Functionality”.

Pauline Andree, thesis titled “Determinants of vocal variation in Australian cuckoos”.

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Welcome to our New Candidates

Scott Graham – School of Agricultural and Wine Sciences, working with Jim Pratley and Jeff McCormick. Scott commenced this session part time via distance.

Please make him feel welcome.

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Mid-year Domestic AG RTP Scholarships – Deadline extended



Owing to some technical difficulties with the application portal, applications for Domestic part-time and full-time Australian Government Research Training Program (AG RTP) scholarships have been extended to Wednesday, 5 May 2020 at 5:00pm AEDT. Please see the [Research Scholarships page](#) for further information on how to apply or finalise an application.

Please contact graduateresearch@csu.edu.au if you are experiencing any issues accessing your application or submitting.

Best of luck to all of those who have or will submit by the deadline. Outcomes are expected to be known by the end of May for International applicants and around mid-June for Domestic applicants.

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Join the Facebook community



A Facebook group has been set up for Graduate Research candidates at Charles Sturt to join. It is a closed group (you will need to put in your student ID number to join) that will be moderated by Cath Smith from the Division of Student Services. We hope this will help you to better connect with each other and also provide a forum for chats, news, peer-to-peer mentoring and information.

Please see the link below to join.

<https://www.facebook.com/groups/CSUGraduateResearch/>

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ANSTO Industry Foundations Scholarship Program

As part of an NSW government funding scheme designed to establish a Graduate Institute 'Industry Foundations Program,' ANSTO will award a minimum of 5 scholarships for graduate students or early career researchers working on industry-focused translational research projects aligned with ANSTO strategic objectives.

The scholarships include a top-up stipend of \$7,500 and approved research, conference, travel and accommodation support of up to \$10,000.

Recipients must be graduates of a bachelor or equivalent degree or higher and be within 5 years of graduation or be undertaking a higher degree by research. It is anticipated that most recipients will be undertaking a PhD by research hosted by an NSW University and will hold a Research Training Program (or similar) scholarship.

Please see the [ANSTO webpage](#) for further information and how to apply. Applications close 17 July 2020.

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PhD Research Internships Database



Due to industry demand for postgraduate-level research experts, all domestic PhD students are encouraged to join the APR.Intern database.

By submitting a general application, eligible students will be kept on-call and given preference when new projects are developed with industry partners.

If you would like to enhance your research career with a 3-5 month, paid industry internship, please submit an Expression of Interest using [this link](#).

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Getting to Know – Dr Muhammed Yakin



This month we get to know Dr Muhammed Yakin. Muhammed is a Senior Lecturer in the School of Dentistry and Health Sciences (SDHS). Muhammed is the Academic lead in Oral Pathology. He has been employed at CSU for 3 years and is based on the Orange campus.

Where did you work at prior to CSU? What did you do there?

Before joining CSU I completed my specialist training in oral pathology while also undertaking undergraduate teaching and research supervision. Prior to that I have worked with the Department of Health and Medical University in Erbil in academic and professional roles.

What are your research/teaching specialities?

At CSU I teach oral and maxillofacial pathology and medicine, general pathology, and oral histology in the Bachelor of Dental Science course and oral pathology in the Oral Health Therapy course.

My research interest is in biomarkers in addition to diagnostic oral histopathology. I started biomarker research during my master's training in Sheffield in odontogenic lesions, for which I was awarded the *International Association for Dental Research/Unilever-Hatton Divisional Award* in 2013.

I then moved onto biomarkers in the context of the immunopathogenesis of oral cancer at the University of Otago. I published the findings of my thesis last year in Cytokine.

Are you currently working on any research projects?

I am continuing in the same line of research with New Zealand collaborators, as well as various project with my colleagues at the School of Dentistry & Health Sciences. My current project involves investigating the prognostic value of the expression of certain cytokines in oral cancer tissue. I am also part of a team lead by A/Prof Lucy Webster and Dr Kelly Linden undertaking scholarship in learning and teaching.

Who is funding your research?

My current biomarker research project is generously funded by the Faculty of Science Compact Seed Grant, and my doctoral research was funded by New Zealand Dental Research Foundation and University of Otago grants.

What would be your key piece of advice for a new researcher?

Network early on, locally and globally. Online platforms such as ResearchGate are valuable for networking. The Research Office offers valuable Research Professional Development sessions.

What do you do away from CSU?

I spend time going for walks with my family, playing with my kids, and doing some gardening. I also often find myself thinking about and planning research while away from CSU!

Thanks for taking the time to be interviewed Muhammed.

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Guest Workshop Presenter – Dr Kerry Mann



Kerry Mann (School of Exercise, Sport and Health Sciences) was recently invited to be a guest workshop presenter at the upcoming STEM (Science Technology Engineering Maths) 2020 online conference, “Strategies for a rapidly changing world”. This conference is run by the NSW Department of Education in partnership with University of Newcastle and Charles Sturt University on Port Macquarie, Wagga Wagga and Bathurst’s campuses, and currently has over 10,000 registrations from around New South Wales.

Kerry will be presenting a workshop entitled “Exercise Science – Bringing Biomechanics into the class room”. This online workshop aims to encourage teachers to consider the application of science, technology and mathematics in the field of exercise science. It will show how some basic biomechanical concepts can be used in class rooms.

The conference is a great way to showcase the facilities we have at Charles Sturt University, and highlight the Exercise and Sports Science degree.

Great work Kerry!

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Researching in Isolation



Don't feel you are alone. There are plenty of resources to assist you to tackle research in a COVID World:

- [Six Tips on Working from Home – and one of them is actually good](#) – Phil Ward – Research Fundamentals
- [Social Research for a COVID and Post-COVID World: An initial Agenda](#) – Professor Deborah Lupton (UNSW).
- [Conducting research during the COVID-19 pandemic](#) – Rebecca A.Clay – APA News
- [Living the COVID life](#) – Tseen Khoo – Research Whisperer

- [The valley of deep \(COVID\) Sh*t](#) – Inger Mewburn – The Thesis Whisperer

Virtual catch-ups

- Academy of Science – Early and Mid-Career Researcher Virtual catch-ups – [EMCR Forum](#)
- Faculty of Science – Virtual morning teas – contact FOS-ADR@csu.edu.au if you did not receive a calendar invite.

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National COVID-19 Expert Database



Led by the Australian Academy of Science, Australia's learned academies, representing the nation's best and most eminent researchers across all fields, the Academy of Science is calling on experts from a broad range of fields who can contribute to the national and global effort to tackle and recover from COVID-19 to register for the COVID-19 Database. ***This includes consulting with experts in science, technology, engineering, mathematics, health, humanities, arts, and social science.***

[Register on the COVID-19 Expert Database](#)

Wishing you good health, Professor John Shine AC PresAA, President, Australian Academy of Science

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Editing of journal articles & grant applications – Free service



Academic staff in the Faculty of Science are encouraged to access the Faculty editing service to help 'fine-tune' their research papers or grant applications before they are submitted to journals for publication. This service is not available to HDR candidates and students.

The FOS and Faculty of Business, Justice & Behavioural Sciences are jointly funding a Research Editor position. Mark Filmer, has been appointed to the position.

The aim of the service is to help improve the quality of papers being submitted to journals and in doing so, improve overall acceptance rates. The service is available to all FOS academic staff. The edit process is intended to 'polish' the **final version** of the manuscript. It is expected that the manuscript has been proof-read and checked for accuracy before it is submitted to Mark.

To access this service, you need to complete a single page application form. For more details or an application form, email Mark (mfilmer@csu.edu.au).

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Final Reminder - Make your research count!



Your 2014-2019 outputs must be added to CRO by **8 May 2020** to count towards promotion & research active considerations.

If you need any assistance with the process of entering your research outputs please consult the [CRO Guide](#) or contact your local [Faculty Liaison Librarian](#). Outputs-related enquiries can be directed to the [Research Outputs Team](#).

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National Science Week



Lock in the date for National Science Week 2020. Mark the 15th – 23rd of August 2020 in your diaries to celebrate all things science. This theme for 2020 is *'Deep Blue: innovations for the future of our oceans'*.

With this in mind, it will embrace the innovative technologies, capabilities and skills needed to achieve economic, environmental and social sustainability of our oceans. It will feature insights and inquiries into workable solutions that generate healthy oceans, healthy economies and healthy communities.

This is aligned with the establishment of the [Blue Economy CRC](#).

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FUNDING OPPORTUNITIES



**** Please note that all applications for external funding must be submitted to the CSU Research Office 10 working days prior to the granting bodies closing date with a completed Notice to Submit (NTS) form including all signatures of researchers, HOS and ADR.**

NEW Tri-Faculty Open Access Publishing Scheme



A **new** Open Access Publishing Scheme is now open for applications for articles published after 1/4/2020. This scheme is open to CSU researchers in all faculties.

A maximum of **\$2500AUD** is available as a contribution to open access publishing fees. For this scheme the article must be published in a 100% open access journal. Please read the guidelines before applying. Incomplete applications will not be accepted.

The guidelines and application form are available to download from:

S:\Common\ Temp Folder Less Than 90 Days\Tri-Faculty Open Access Publishing Scheme

If you need any further information please contact either Jane Quinn, Associate Dean Research FOS-ADR@csu.edu.au

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CSU Green Project Grants



Do you have an engaging sustainability project idea? Would you like to assist in improving Charles Sturt's sustainability performance to further our commitment toward sustainability? Sustainability grants offer students and staff from all faculties, divisions and areas of study a great way to turn a sustainability idea into

reality.

Project grants close on 24 June 2020. Information is available at [CSU Green](#).

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Eureka Prizes – Deadline extended

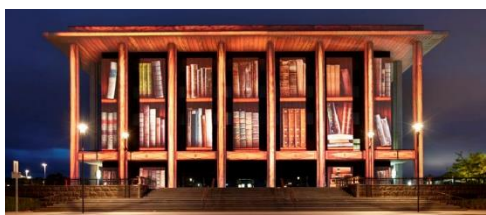


The Australian Museum Eureka Prizes are the country's most comprehensive national science awards, honouring excellence across the areas of research & innovation, leadership, science engagement, and school science.

Presented annually in partnership with some of the nation's leading scientific institutions, government organisations, universities and corporations, the Eureka Prizes raise the profile of science and science engagement in the community by celebrating outstanding achievement. More information [here](#). Applications now close **15 May 2020**.

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2021 National Library Fellowships- Deadline extended



Fellowships are open to researchers from Australia and overseas undertaking advanced research projects. **Eight funded fellowships** will be awarded for research areas where the Library's collections have the depth to support the desired outcomes.

Applications now close 5pm AEST, Friday 29 May 2020. [Read the Fellowship guidelines and apply](#)

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NSW Government – Waratah Research

Waratah Research brings together government agencies with high impact research teams from universities and industry. This collaboration will translate research and development into innovative ideas and evidence-based policies to improve social, economic and environmental outcomes for NSW. The Waratah Research webpage lists grants and opportunities and priorities and strategic plans. For more information – [Waratah Research](#).

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Other funding opportunities:



ANSTO – [User Beamtime September – December 2020](#) – Closes 19 May 2020

Ramacotti Awards – [Health Investment Grant](#) – Closing 29 May 2020

[Georgina Sweet Award](#) for Women in Quantitative Biomedical Science – Two awards of \$25,000 – Close 29 May 2020

[Holsworth Wildlife Research Endowment](#) – **Now closing 30 May 2020**.

[Wiley Next Generation Ecologist Award](#) – Closing 30 May 2020

2020 RACGP Foundation - [HCF Research Foundation Research Grant](#) – Close 1 June 2020

Academy of Science – Travelling fellowships, research conference funding and research awards – Close 1 June 2020 – [Academy of Science Awards and Opportunities](#)

NHMRC [The Special Initiative in Mental Health](#) – Virtual network across Australia Closes 15 July 2020

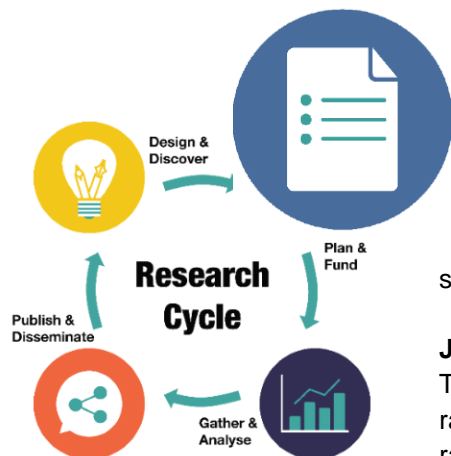
NHMRC - [Global Alliance for Chronic Diseases \(GACD\): Cancer Prevention Funding Call 2019](#) –The GACD Cancer Call deadline has been extended to **Thursday 30 July 2020**.

The *June 2020 funding opportunities list* was emailed to all FOS academic staff on Friday 24 April 2020 – If you would like to receive the list, please contact the Faculty Research Liaison Officer via FOS-RLO@csu.edu.au

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PROFESSIONAL DEVELOPMENT

Library Research Focus - Library Support with ROPE statements



Working on your ROPE report? The Library can help! Make sure you get your requests for a Research Impact Report in early, it's a complex document and can take up to two weeks in busy times.

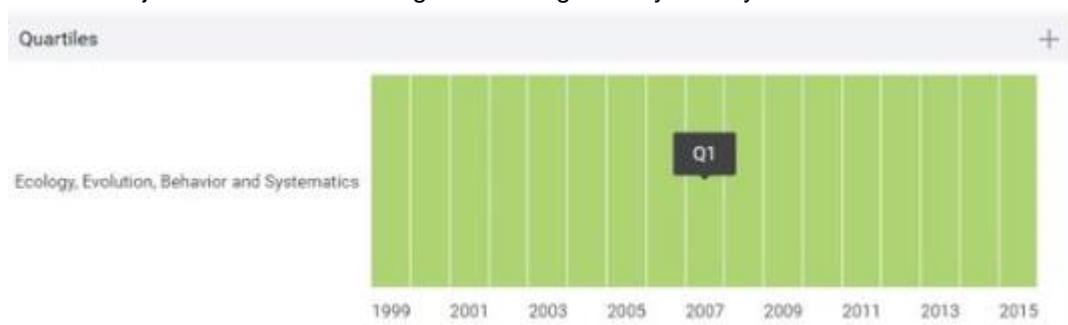
Want to know what goes into a Research Impact Report?

You give us your top publications, up to ten of them, and then we go and search a number of different databases for citation metrics.

Journal Rankings

The databases that we use are SCImago Journal and Country Rank to get a ranking and the topic that the journal that is published in – this gives a Quartile ranking Q1 is the highest through to Q4. A number of different things can influence this, including how long the journal has been going and the subject

area of the journal. Journal rankings can change from year to year.



Article Metrics

We use Scopus and Web of Science and Google Scholar to see the number of times an article has been cited, and include these. It depends again on the subject area for which of these we use or if we use both.

Chocolate milk as a post-exercise recovery aid

JR Karp, JD Johnston... - ... journal of sport ..., 2006 - journals.humankinetics.com

Nine male, endurance-trained cyclists performed an interval workout followed by 4 h of recovery, and a subsequent endurance trial to exhaustion at 70% VO₂max, on three separate days. Immediately following the first exercise bout and 2 h of recovery, subjects ...

☆ 📄 Cited by 247 Related articles All 35 versions



Author Metrics

We will also use your Researcher Profiles to gather more metrics to add into the report. These can include, your CRO profile, ORCID, Scopus Author ID, Web of Science Publons Researcher ID and Google Scholar profiles. If you don't have one of these, and would like to set one up, the Library can assist you.

- Dealing with worries about setbacks and progress
- Good habits e.g. exercise, sleep, and routines
- Dealing with isolation, lack of structure and loss of motivation
- Procrastination, perfectionism and over-committing
- Disagreements with supervisors and other colleagues
- Support for more serious mental health issues
- Supporting friends/colleagues who may be struggling

This workshop is presented by Hugh Kearns who is recognised internationally as a public speaker, educator and researcher. [Register here.](#)

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2021 Graduate Development Program

The Department of Industry, Science, Energy and Resources is leading the Australian Public Service (APS) Graduate STEM stream, enabling individuals to apply for STEM graduate roles within this department as well as other agencies in 2021. The APS is looking for graduates with qualifications in science, technology, engineering and mathematics (STEM).

Successful applicants will be considered for positions in a range of host departments in STEM specific roles. This may include working in areas such as [women in STEM](#), international and national space negotiations and agreements, earth observations, robotics, neuromorphic engineering, chemical and biological analysis and electro technology.

Applications for the 2021 Graduate Development Program are now open through the [Department of Industry, Science, Energy and Resources](#) website and will be closing on Wednesday 6 May 2020 at 11:55pm.

Further information can be found on the Graduate Development Program [website](#).

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Finally..... May the fourth be with you



Only 3 days until May the 4th! This is a special one too, the first since the conclusion of the saga in December 2019.

Whether you like the old ones or new ones or just think the Ewoks are cute, Star Wars day is for everyone and there's no time like the present to sit down and watch the entire series.

Here are some stats, quizzes and interesting ideas to celebrate the 4th May. [May the Fourth be with you!](#) and <https://www.starwars.com/may-the-4th>

Next Issue:

If you would like to contribute a story to the June 2020 issue please send it to Melanie by the 22nd of May. The next issue will be released in the first week of June 2020.

Until next issue.....

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