



agenda

Te Komiti Rangahau o Unitec | Unitec Research Committee

Date:	2023-07-13
Scheduled Start:	1300h
Scheduled End:	1500h
Location:	Microsoft Teams

SECTION 1 NGĀ KUPU ARATAKI | PRELIMINARIES

1. Karakia Timatanga | Opening Prayer
2. Mihi Whakatau | Welcome from the Chair
3. Membership
4. Terms of Reference

SECTION 2 STANDING ITEMS

1. Ngā Whakapāha | Attendance, Apologies & Quorate Status
2. Pitopito Kōrero o Ngā Hui | Minutes of the Previous Meetings
3. Mahia Atu | Matters Arising

SECTION 3 MEA HEI WHAKAAE | ITEMS TO APPROVE

1. Nomination for Appointment of an Honorary Research Fellow – Dr Byron Rangiwai
2. Re-establishment of the Unitec Early Career Researcher Forum Committee
3. Research Dissemination Opportunities

SECTION 4 WHAKAWHITI KŌRERO | ITEMS FOR DISCUSSION

1. N/A

SECTION 5 NGĀ TUKUNGA | ITEMS TO RECEIVE

1. 2022 Research Centre Reports
 - a. AMS – Prof Peter de Lange/Dr Sarah Wells
 - b. CRC – Denis Lavrov
2. 2023 RPTL Report

SECTION 6 KUPU WHAKAMUTUNGA | CLOSING

1. Ētahi Kaupapa Anō | Any Other Business
2. Komiti Self-Assessment
3. Karakia Whakamutunga | Closing Karakia

SECTION 1 NGĀ KUPU ARATAKI | PRELIMINARIES

Item 1.1 Karakia Tīmatanga | Opening Prayer

KARAKIA TĪMATANGA	OPENING PRAYER
<i>Manawa mai te mauri nuku</i>	<i>Embrace the power of the earth</i>
<i>Manawa mai te mauri rangi</i>	<i>Embrace the power of the sky</i>
<i>Ko te mauri kai au</i>	<i>The power I have</i>
<i>He mauri tipua</i>	<i>Is mystical</i>
<i>Ka pakaru mai te pō</i>	<i>And shatters all darkness</i>
<i>Tau mai te mauri</i>	<i>Cometh the light</i>
<i>Haumi ē, Hui ē, Tāiki ē!</i>	<i>Join it, gather it, it is done!</i>

Item 1.2 Mihi Whakatau | Welcome from the Chair

Item 1.3 Te Komiti Rangahau o Unitec Membership

Marcus Williams (Associate Professor)	Chair and Director Research and Enterprise
Daisy Bentley-Gray (New and Emerging)	Nominee of Director, Pacific Success
Tanya White	Nominee of Director, Māori Success
Dr Helen Gremillion (Professor)	Healthcare and Social Practice
Dr Yusef Patel (Early Career)	Architecture
Duaa Alshadii (New and Emerging)	Building Construction
Dr Lian Wu (Associate Professor)	Healthcare and Social Practice
Dr Hamid Sharifzadeh (Professor)	Computing and Information Technology
Dr Leon Tan (Associate Professor)	Creative Industries
Dr Kristie Cameron (Associate Professor/ Early Career)	Environmental & Animal Sciences
Dr Mitra Etemaddar	Applied Business
Robyn Gandell (Early Career)	Bridgepoint
Dr Norasieh Md Amin (Subject Librarian)	Library
Kate Zeng (Student Rep)	One member nominated by the Student Council
Arun Deo (Research Advisor)	Tūāpapa Rangahau
In attendance: Brenda Massey (Acting Secretary)	Tūāpapa Rangahau

Item 1.4 Te Komiti Rangahau o Unitec Terms of Reference

The powers and functions of Te Komiti Rangahau o Unitec (URC) shall be to:

- a. Foster the conduct of research, and support the achievement of Unitec’s strategic research, enterprise and innovation priorities.
- b. Propose and advise on strategic directions and priorities for research, enterprise, and innovation.
- c. Provide expert advice on institutional policy.
- d. Develop protocols and guidelines and make recommendations in relation to the conduct of research, enterprise, and innovation.
- e. Oversee the Grants Advisory Committee and the reporting of funded projects.
- f. Encourage and enhance the development of the research, enterprise, and innovation culture along with student and staff research capability, with emphasis on the development of Māori and Pacific research capability.
- g. Oversee the monitoring of research outputs and research reporting.
- h. Foster Māori and Pacific, transdisciplinary, collaborative and externally engaged research, enterprise, and innovation.

SECTION 2 STANDING ITEMS

Section 2.1 Ngā Whakapāha | Attendance, Apologies & Quorate Status

RECOMMENDATION

That the committee accepts the apologies of today’s meeting.

Section 2.2 Pitopito Kōrero o Ngā Hui | Minutes of the Previous Meetings

refer to [pg5](#)

RECOMMENDATION

That the committee approves the minutes of the meeting of 2023-05-11.

Section 2.3 Mahia Atu | Matters Arising

refer to [pg10](#)

SECTION 3 MEI HEI WHAKAAE | ITEMS TO APPROVE

Section 3.1 Nomination for Appointment of an Honorary Research Fellow – Dr Byron Rangiwai

refer to [pg11](#)

Section 3.2 **Re-establishment of the Unitec Early Career Researcher Forum Committee**
refer to [pg29](#)

Section 3.3 **Research Dissemination Opportunities**
refer to [pg31](#)

SECTION 4 **WHAKAWHITI KŌRERO | ITEMS FOR DISCUSSION**

N/A

SECTION 5 **NGĀ TUKUNGA | ITEMS TO RECEIVE**

Section 5.1 **2022 Research Centre Reports**
refer to [pg36](#)

- a. AMS – Prof Peter de Lange/Dr Sarah Wells [pg37](#)
- b. CRC – Denis Lavrov [pg43](#)

Section 5.2 **2023 RPTL Report**
refer to [pg47](#)

SECTION 6 **KUPU WHAKAMUTUNGA | CLOSING**

Section 6.1 **Ētahi Kaupapa Anō | Any Other Business**

Section 6.2 **Komiti Self-Assessment**
refer to [pg53](#)

Section 6.3 **Karakia Whakamutunga | Closing Karakia**

TE KARAKIA WHAKAMUTUNGA	CLOSING PRAYER
<i>Ka wehe atu tātou</i>	<i>We are departing</i>
<i>I raro i te rangimārie</i>	<i>Peacefully</i>
<i>Te harikoa</i>	<i>Joyfully</i>
<i>Me te manawanui</i>	<i>And resolute</i>
<i>Haumi ē, Hui ē, Tāiki ē!</i>	<i>We are united, progressing forward!</i>



minutes

Te Komiti Rangahau o Unitec | Unitec Research Committee

Date:	2023-05-11
Scheduled Start:	1300h
Scheduled End:	1500h
Location:	Microsoft Teams

MEETING OPENED:	1300h
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SECTION 1 – NGĀ KUPU ARATAKI | PRELIMINARIES

Item 1.1 Karakia Tīmatanga | Opening Prayer

Item 1.2 Mihi Whakatau | Welcome from the Chair

The Chair warmly welcomed members of the committee to the meeting.

SECTION 2 – STANDING ITEMS

Item 2.1 Ngā Whakapāha | Attendance, Apologies & Quorate Status

Members Present

1. Marcus Williams (Chair)
2. Kristie Cameron
3. Nora Md Amin
4. Helen Gremillion
5. Leon Tan
6. Hamid Sharifzadeh
7. Tanya White
8. Falaniko Tominiko (proxy for Daisy Bentley-Gray)
9. Lian Wu

Total members represented: 9 members

Apologies

1. Daisy Bentley-Gray
2. Robyn Gandell
3. Duaa Alshadli
4. Arun Deo

5. Yusef Patel

Total apologies: 5 members

Absent

1. Mitra Etemaddar

Total absent: 1 member

MOTION

That the committee accepts the apologies for today's meeting.

Moved: Kristie Cameron

Seconded: Lian Wu

MOTION CARRIED

Quorate Status

A minimum of 9 representatives is required; the meeting was quorate.

Hunga Mahi | Staff in Attendance

1. Brenda Massey, Acting Secretary

Item 2.2 Pitopito Kōrero o Ngā Hui | Minutes of Previous Meeting**MOTION**

That the committee approves the minutes of the 2023-04-13 meeting as a true and accurate record.

Moved: Helen Gremillion

Seconded: Hamid Sharifzadeh

MOTION CARRIED

Item 2.3 Mahia Atu | Matters Arising

The Chair warmly welcomed new committee member Tanya White to the meeting. Tanya replaces Dr Cat Mitchell on the committee and is the nominee of the Director, Māori Success.

Agenda Item(s)	Action	Responsible	Outcome
3.1	Advise Dr Hinekura Smith of the approval of the appointment of Dr Cat Mitchell as an Honorary Research Fellow within Ngā Wai a Te Tūi.	Marcus Williams / Brenda Massey	Complete
3.2	Advise Prof Peter de Lange of the approval of the appointment of A/P Dan Blanchon as an Honorary Research Fellow within the School of Environmental and Animal Sciences.	Marcus Williams / Brenda Massey	Complete
4.1	Update the Research Strategy Action Plan by deleting the Action under Priority Two: "Structure the Unitec symposium around Groups" and adding an Action under Priority Two's Action Summary titled "Support and resource postgraduate student research" along the lines of "high quality resources are available through the library that support postgraduate students".	Marcus Williams	Complete
4.2	Present the committee's position on the consultation to the external PBRF SRG discussion forum.	Marcus Williams	Complete

4.3	Communicate the committee's decision to suspend the 2023 Research Symposium to research staff.	Marcus Williams	Complete
5.2	Write to the four 2022 ECR Funding recipients thanking and acknowledging them for their final reports.	Brenda Massey	Complete
6.1	Request that Schools report against their Research Plans, as per the committee's 2023 Work Plan.	Arun Deo	In Progress – see below for update.

Regarding matter 6.1, the timelines for the school research plan review for 2023 are very similar to that of last year:

- » 16th May - Plans and guidelines sent to schools.
- » 14th June - First draft of the plan due
- » 21st June - Arun to provide feedback on first draft
- » 28th June - Second working version due
- » 5th July- Arun to provide feedback on second draft
- » 12th July - Final version due
- » 13th July -28th July - Arun to finalise all the plans and get them ready for URC
- » 28th July - URC agenda items due
- » 10th August - Plans presented to URC

Given that plans will not be presented until two thirds through the year, they will be called 2023-2024 plans.

SECTION 3 – MEA HEI WHAKAAE | ITEMS TO APPROVE

Section 3.1 **Nomination for Appointment of an Honorary Research Fellow – Ms Gillian Crowcroft**

The nomination for the appointment of an Honorary Research Fellow within Environmental and Animal Sciences was approved.

MOTION

That the committee approves the appointment of Ms Gillian Crowcroft as an Honorary Research Fellow within the School of Environmental and Animal Sciences.

Moved: Kristie Cameron

Seconded: Hamid Sharifzadeh

MOTION CARRIED

Action: Marcus Williams to advise the nominator, Prof Peter de Lange, of this outcome.

SECTION 4 - WHAKAWHITI KŌRERO | ITEMS FOR DISCUSSION

Section 4.1 **PBRF Sector Reference Group – Consultation Paper 11**

Marcus Williams and Arun Deo are part of a university-led forum that will shortly meet to discuss this latest PBRF consultation paper. The committee agreed that once the forum has met, Marcus will circulate the forum's position on the matters raised in the consultation paper to the committee. If members have any feedback, it will be conveyed to the Rangahau Research Forum (RRF) for

review/discussion, along with any other feedback received from within Te Pūkenga. The RRF will then collate a response on behalf of Te Pūkenga for submission to the TEC.

SECTION 5 - NGĀ TUKUNGA | ITEMS TO RECEIVE

Section 5.1 2022 Research Centre Reports

The committee received annual reports from the Centre for Research in Education for Healthcare Practitioners (CREHP), the Environmental Solutions Research Centre (ESRC), the Digital Heritage Research Centre (DHRC) and Ngā Wai a Te Tūi Māori and Indigenous Research Centre (NwaTT).

A summary of the committee's reflections on the reports is as follows:

NWaTT's report demonstrates remarkable resilience in the face of adversity, following the resignation of its founding Director, Prof Jenny Lee-Morgan, in 2022 and the novation of over \$5m of externally funded research contracts. Hinekura Smith is doing a remarkable job as the new Director. She has won a number of externally funded research grants, has appointed a research administrator to her team, and has secured a proportion of Byron Rangiwai's time as a kaupapa Māori researcher.

ESRC has successfully secured a number of industry funded contracts, a tremendous achievement, as private sector investment in research in the tertiary sector environment is often difficult to secure. The centre is currently awaiting the outcome of a \$10.6m application for MBIE Endeavour Fund Research Programme funding.

CREHP and DHRC are Unitec's newest research centres. CREHP is currently collaborating with ESRC on an externally funded contract with an aged care provider looking at plastic recycling. DHRC is currently awaiting the outcome of a large application for MBIE Endeavour Funding.

Reports from the Applied Molecular Solutions Research Centre (AMS) and the Cybersecurity Research Centre (CRC) will be submitted at the next committee meeting. AMS's report was delayed due to the departure of its Director, A/P Dan Blanchon, while CRC's report has been delayed as the Director, Denis Lavrov, is preparing for a trip to the US to pitch for funding for Phase 3 of a project being undertaken in collaboration with industry partner GeneCrypt.

The Chair reminded the committee that all schools are required to identify research groups in their School Research Plans. Research groups often form the genesis of new research centres, as was the case with the CREHP and DHRC.

The committee acknowledged Marcus' leadership in supporting the establishment and continued operation of Unitec's research centres, which each offer a unique value proposition within Te Pūkenga.

Action: Brenda Massey to draft letters to the centre directors thanking and acknowledging them for their reports and mahi.

SECTION 6 - KUPU WHAKAMUTUNGA | CLOSING

Section 6.1 Ētahi Kaupapa Anō | Any Other Business

- a. Unitec will be launching a digital book on karanga, published by ePress, on 11 June at Te Noho Kotahitanga marae. The launch clashes with the June committee meeting, and the Chair asked if the committee would be amenable to forgoing the June meeting and attending the book launch instead. The committee were supportive of this idea.

Action: Brenda Massey to procure a copy of the book launch invitation and seek the organisers' approval for the committee to attend. If it is confirmed that the committee can attend, the June committee meeting will be cancelled.

- b. Marcus Williams drew the committee's attention to the TLRI's (Teaching and Learning Research Initiative) website which is currently showcasing Dr Hinekura Smith's TLRI funded research project "Toi ora, reo ora, Whatuora – Developing Toi Māori pedagogy to support Māori whanau aspirations for reo and tikanga". The research involves three rumaki reo (te reo Māori immersion units) within the Waitemata Kāhui Ako – Te Uru Karaka (Newton Central Primary), Te Waititiko (Pasadena Intermediate) and Nga Puna o Waiorea (Western Springs College). http://www.tlri.org.nz/tlri-research/research-progress/whatua-tū-aka/toi-ora-reo-ora-whatuora?mc_cid=5514354418&mc_eid=dbb268d080

Action: Brenda Massey to send a copy of the minutes of today's meeting to Hinekura, offering her the committee's congratulations on securing the TLRI grant.

Section 6.2 Komiti Self-Assessment

An opportunity was given for the committee to reflect on their self-assessment provocations. The committee is reminded that feedback on any aspect of the committee's operation can be emailed to the Chair or the Secretary at any time (in confidence if requested).

Section 6.3 Karakia Whakamutunga | Closing Karakia

MEETING CLOSED: 1350 h

SUMMARY OF ACTIONS

Agenda Item(s)	Action	Responsible	Outcome
3.1	Advise Prof Peter de Lange of the approval of the appointment of Ms Gillian Crowcroft as an Honorary Research Fellow within Environmental and Animal Sciences.	Marcus Williams / Brenda Massey	
5.1	Thank and congratulate centre directors for their annual research centre reports.	Marcus Williams / Brenda Massey	
6.1.a	Procure a copy of the ePress karanga book launch invitation and seek the organisers' approval for the committee to attend. If it is confirmed that the committee can attend, cancel the June committee meeting.	Brenda Massey	
6.1.b	Send a copy of the minutes of today's meeting to Dr Hinekura Smith, offering her the committee's congratulations on securing the grant from TLRI.	Brenda Massey	

MATTERS ARISING

Agenda Item(s)	Action	Responsible	Outcome
3.1	Advise Prof Peter de Lange of the approval of the appointment of Ms Gillian Crowcroft as an Honorary Research Fellow within Environmental and Animal Sciences.	Marcus Williams / Brenda Massey	Complete
5.1	Thank and congratulate centre directors for their annual research centre reports.	Marcus Williams / Brenda Massey	Complete
6.1.a	Procure a copy of the ePress karanga book launch invitation and seek the organisers' approval for the committee to attend. If it is confirmed that the committee can attend, cancel the June committee meeting.	Brenda Massey	Complete
6.1.b	Send a copy of the minutes of today's meeting to Dr Hinekura Smith, offering her the committee's congratulations on securing the grant from TLRI.	Brenda Massey	Complete



memo

To Unitec Research Committee Date Tuesday 16th May

From Dr Hinekura Smith
Director, Ngā Wai a Te Tūi Māori and Indigenous Research Centre

Subject Nomination for Appointment of an Honorary Research Fellow

I am requesting that the Unitec Research Committee approves the appointment of Assoc. Prof. Byron Rangiwai as an Honorary Research Fellow within Ngā Wai a Te Tūi, Māori and Indigenous Research Centre (NwaTT).

Assoc. Prof Rangiwai has taught at Unitec in Social Practice since 2021. He was recently seconded to NwaTT as a .2 Māori researcher to increase our Māori academic FTE and to co-lead the second year of a Te Whatu Ora Health New Zealand funded summer research internship.

Although he is leaving Unitec Te Pūkenga to take up an exciting new role, we (both) would like to maintain our research relationship. I would greatly value Byron's continued contribution to kaupapa Māori research at Ngā Wai a Te Tūi. Byron's research and writing experience adds value to Unitec Te Pūkenga in the area of kaupapa Māori research and will help NwaTT to move forward given the decreasing number of Māori academic FTE at Unitec Te Pūkenga. Maintaining, and then growing, Māori academic FTE is critical if NwaTT is to remain a viable and vibrant centre for Māori research in the wider Te Pūkenga network. Your consideration of this request is appreciated.

Ngā mihi,

Dr Hinekura Smith

Director

Ngā Wai a Te Tūi Māori and Indigenous Research Centre

Byron Rangiwai

Ngāi Tūhoe | Ngāti Porou | Ngāti Manawa | Ngāti Whare

brangiwai@gmail.com | +6421 0221 6561

[Google Scholar](#) | [ORCID](#)

I demystify academic language and concepts for Māori, Pasifika, Indigenous, and all learners, to empower them to "write (right) the world" and positively transform their communities.

Google Scholar citations	366
Peer-reviewed articles	73
Past master's supervision	19
Current master's supervision	5
Master's theses/exegeses examined	21
PhD theses examined	1
Supervised student peer-reviewed publications	32

Qualifications

Postgraduate Certificate in Digital Business, The University of Waikato, December 2020

Postgraduate Certificate in Digital and Collaborative Learning, The Mind Lab, December 2020

PhD in Māori, Pacific and Indigenous Studies, University of Otago, June 2019

Thesis title: *A Kaupapa Māori study of the positive impacts of syncretism on the development of Christian faith among Māori from my faith-world perspective*

New Zealand Certificate in Adult and Tertiary Teaching, Te Wānanga o Aotearoa, August 2018

PhD in Māori and Indigenous Development, Auckland University of Technology, July 2015

Thesis title: *Ko au ko Te Umutaoroa, ko Te Umutaoroa ko au: Toward a Patuheuheu hapū development model*

Master of Indigenous Studies with first-class honours, Te Whare Wānanga o Awanuiārangi, May 2010

BA in Education Studies, University of Waikato, 2005

Fellowship

[Fellow of the Burgon Society of London](#), February 2018-present

Adjunct Researcher

Adjunct Researcher, Te Rūnanga o Ngāti Whare, March 25 2019 - present

Selected work history 2008-present

Senior Lecturer & Associate Professor (from Dec 2022), School of Healthcare and Social Practice, Unitec-Te Pūkenga, June 2021 – present

As a Senior Lecturer I deliver high quality classroom learning across undergraduate and postgraduate programmes in the School of Healthcare and Social Practice. This delivery includes relevant research and administration, the design, development and production of learning and teaching material, and to ensure the efficient delivery of teaching programmes in accordance with Unitec-Te Pūkenga strategy, policy and procedures.

Bachelor of Social Practice

Papers taught:

- **Te Tiriti o Waitangi in Social Practice in Aotearoa/New Zealand (Course Coordinator)** - fourth-year Bachelor of Social Practice paper
 - Te Tiriti o Waitangi in social work practice
 - Discourses of power, culture, identity, gender, race, ethnicity
 - Indigenous and post-colonial perspectives
 - Social work theory and practice frameworks
- **Ripene Tahi (Course Coordinator)** - first-year Bachelor of Social Practice paper
 - Basic te reo Māori
 - Basic tikanga Māori
 - Exploration of the implications of Te Tiriti o Waitangi in relation to Māori development

Master of Applied Practice (Social Practice)

Papers taught:

- **Applied Practice in Context (Course Coordinator)**
 - Critical understanding of Indigenous knowledge and cultural responsiveness in practice
 - Critical analysis of practice from local, national, and international perspectives
 - Critical analysis of practice from ethical, social, cultural, and professional perspectives
 - Critical analysis of practice from legal, regulatory, and policy perspectives
- **Research and Community Informed Practice (Course Coordinator)**
 - Critical review of literature
 - Application of Indigenous methodology and methods to research
 - Development of a research topic

Lecturer, Master of Applied Indigenous Knowledge Programme, Te Wānanga o Aotearoa, January 2017 – June 2021

Programme leadership; pastoral care of Māori, Pasifika and Indigenous students; blended learning; marking; exegesis and project supervision; moderation; research; curriculum development; recruitment; retention; class management; leadership of the programme.

Master of Applied Indigenous Knowledge

Papers taught:

- **Mōhiotanga: Experience and Knowledge Production**
 - Indigenous epistemologies
 - Epistemology and impact on practice
 - Intergenerational transference of Indigenous knowledge
 - Preservation of Indigenous knowledge
- **Mātauranga: Thought and Knowledge Production**
 - Critical examination of practice
 - Literature review
 - Indigenous axiologies
 - Indigenous theoretical frameworks
- **Māramatanga: Wisdom and Knowledge Production**
 - Indigenous philosophical inquiry
 - Indigenous methodologies and methods
- **Mauri Ora: Well-being, Knowing and Transformation**
 - Indigenous research design
 - Ethical considerations
- **Maumaharatanga: Applied Indigenous Knowledge Project and Exegesis**
 - Conducting Indigenous research
 - Using research to inform project
 - Completion of community project
 - Writing exegesis
 - Presentation
 - Exhibition of research and artefact at Māngere Arts Centre

Lecturer, External Contract, Unitec Institute of Technology, March 2021- June 2021

As a Lecturer I delivered high quality classroom learning in the Master of Applied Practice (Social Practice programme). This delivery includes relevant research and administration, the design, development and production of learning and teaching material, and to ensure the efficient delivery of teaching programmes in accordance with Unitec/Te Pūkenga strategy, policy and procedures.

Master of Applied Practice (Social Practice)

Papers taught:

- **Applied Practice in Context (Course Coordinator)**
 - Critical understanding of Indigenous knowledge and cultural responsiveness in practice
 - Critical analysis of practice from local, national, and international perspectives
 - Critical analysis of practice from ethical, social, cultural, and professional perspectives
 - Critical analysis of practice from legal, regulatory, and policy perspectives
- **Research and Community Informed Practice (Course Coordinator)**
 - Critical review of literature
 - Application of Indigenous methodology and methods to research
 - Development of a research topic

Iwi Environment Manager, Te Rūnanga o Ngāti Manawa, January 2015- June 2016

Environment management; relationship management; project management; funding applications; research; policy development and analysis; Cultural Impact Assessments; Iwi management plan writing; represented Ngāti Manawa as an alternate representative on the Rangitāiki River Forum; provided advice to external organisations and individuals.

Earlier Work Experience

Previous work experience includes Library Assistant roles (University of Waikato, Te Whare Wānanga o Awanuiārangi, University of Auckland), Research Assistant roles (AUT, Te Whare Wānanga o Awanuiārangi – School of Indigenous Graduate Studies), and a range of customer service roles (Housing New Zealand, Student Job Search, Genesis Energy).

Governance

Trustee, Te Rūnanga o Ngāti Manawa, August 2016 – September 2017

Representative for Te Rūnanga o Ngāti Manawa on the Rangitāiki River Forum, December 2015-September 2017 (a joint committee of the Bay of Plenty Regional Council and Whakatāne District Council)

Murupara Community Board, Whakatāne District Council, October 2013-July 2017

Communications portfolio: managing social media communications.

Murupara Area School Board of Trustees (Chair from Jun-Dec 2014), June 2014-July 2017

Awards 2009-2021

- Unitec Excellence Awards 2021—Excellence in Teaching-Kaupapa Māori, Unitec Institute of Technology, School of Healthcare and Social Practice, 2021
- Ngāti Manawa Charitable Trust Award, July 2018
- Māori Education Trust Award, December 2017
- Ngāti Manawa Charitable Trust Award, July 2017
- Māori Education Trust Award, November 2016
- Ngāti Manawa Charitable Trust Award, November 2016
- University of Otago Doctoral Award, July 2016
- Peter Harwood Award in Community Leadership and Excellence – Auckland University of Technology, January 2015
- Tūhoe Tertiary Education Award, February 2014
- Whakatāne Historical Society Post-Graduate Award, March 2013
- Auckland University of Technology Laptop Award, April 2012
- Waiōhau E2 and C9 Te Poka Trust Doctoral Award, January 2011
- Ngā Karahipi Whakatairanga Pia Māori Postgraduate Award, December 2011
- Auckland University of Technology Vice Chancellor’s Doctoral Award, December 2010
- Auckland University of Technology Summer Research Award, December 2010
- Te Rangihau Postgraduate Award - Tūhoe Waikaremoana Māori Trust Board, October 2010
- Auckland University of Technology Graduate Award, June 2010

- Top Postgraduate Scholar Award, Te Whare Wānanga o Awanuiārangi, May 2010
- Mātaatua Education Award, March 2009

Current Master's Supervision—Unitec

2022

Christina Masae—Master of Applied Social Practice thesis (under completion)

Current Master's Supervision—Te Wānanga o Aotearoa

2022

Paul Hagai: Cook Islanders inspiring Cook Islanders through Aku Yanga (my work)

Moeroa Marsters: Kia mau te selenga – connecting Cooks Islands people to their selenga through taaranga – ancient chant/songs

Jennings George-Koteka: Buff Squad Rollin' Top 2 Bottom

Davina Vaughan: Māori Social Work Framework

Past Master's Supervision—Te Wānanga o Aotearoa

2021

Gage, D. (2021). *Ngā taonga tuku iho o te tangata ruku kaimoana*. [Unpublished master's exegesis, Te Wānanga o Aotearoa].

George-Koteka, R. (2021). *Traditional knowledge informs wellbeing*. [Unpublished master's exegesis, Te Wānanga o Aotearoa].

Haurua, J. (2021). *Hustling in a digital age*. [Unpublished master's exegesis, Te Wānanga o Aotearoa].

Kemara, M. (2021). *Tōku whānau tōku mana*. [Unpublished master's exegesis, Te Wānanga o Aotearoa].

Tauau, M. (2021). *The art of sexuality: Navigating the va of traditional and contemporary art to support queer Samoan women*. [Unpublished master's exegesis, Te Wānanga o Aotearoa].

Te Kani, U. (2021). *The implications of an abandoned paepae*. [Unpublished master's exegesis, Te Wānanga o Aotearoa].

2019

Albert, M. (2019). *He Kupenga Tapunui*. [Unpublished master's exegesis, Te Wānanga o Aotearoa].

Bell, T. (2019). *Miringa Te Kakara: Vibrations of whakapapa*. [Unpublished master's exegesis, Te Wānanga o Aotearoa].

Cuthers, W. (2019). *Reclaiming Indigeneity: The importance of stories in understanding Indigenous identity*. [Unpublished master's exegesis, Te Wānanga o Aotearoa].

Filisi, F. (2019). *O le Ala i le pule o le Tautua: The pathway to leadership and authority is through service*. [Unpublished master's exegesis, Te Wānanga o Aotearoa].

Hotereni, V. (2019). *Te Manu Tui: Born of greatness*. [Unpublished master's exegesis, Te Wānanga o Aotearoa].

Lambert, C. (2019). *The development and creation of a whanau engagement model using a Kaupapa Māori-centred approach to rangahau*. [Unpublished master's exegesis, Te Wānanga o Aotearoa].

Leuluai, R. (2019). *E tākiri ana Te Haeata ki Te Ao Hurihuri: Reclaiming child-rearing practices of Wairarapa for whānau ora*. [Unpublished master's exegesis, Te Wānanga o Aotearoa].

Sasa-Te Pania, L. (2019). *Voice of colour and influence: Music and youth*. [Unpublished master's exegesis, Te Wānanga o Aotearoa].

Walker, D. (2019). *Te mana o te wāhine Māori, he taonga tuku iho: Māori women living the gifts of ngā tūpuna*. [Unpublished master's exegesis, Te Wānanga o Aotearoa].

Yor, A. (2019). *The SIKa Project: Applying leadership knowledge*. Self-published eBook (master's project).

2016

Tupe, M. (2016). *Ngā ringa kōkōmua ā wairua: An indigenous qualifications framework for traditional Māori healing and rongoā Māori* [Unpublished master's exegesis, Te Wānanga o Aotearoa].

Tupe, R. (2016). *Ngā whakakitenga o te ao wairua: Spiritual awareness within the environment*. [Unpublished master's exegesis, Te Wānanga o Aotearoa].

Journal Articles

2022

Rangiwai, B. (2022). An Indigenous analysis of the bulimia and haka montage in Netflix's The Crown. *Journal of Intercultural Studies*, 1-17. <https://doi.org/10.1080/07256868.2022.2107623>

Rangiwai, B. (2022). The mystery of the god Io. *Synkrētic*, (1), 73-85.
<https://www.synkretic.com/articles/the-mystery-of-the-god-io>

Rangiwai, B. (2022). Reflections on Nan's liver transplant. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 15(1), 1-11.
<https://www.tekaharoa.com/index.php/tekaharoa/article/view/389>

Rangiwai, B. (2022). Toward an understanding of Io through Atuatanga. *AlterNative: An International Journal of Indigenous Peoples*, 1-9. <https://doi.org/10.1177/11771801221117288>

2021

Rangiwai, B. (2021). Back to the future: Using prophecy to support Māori student success in tertiary education. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 17(1), 1-29.
<https://www.tekaharoa.com/index.php/tekaharoa/article/view/356>

Rangiwai, B. (2021b). Edward Fitzgerald—pioneer, coach driver, shepherd, and rabbit: A very brief reflection. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 17(1), 1-11.
<https://www.tekaharoa.com/index.php/tekaharoa/article/view/338>

Rangiwai, B. (2021). E-learning and social media: Using Facebook to create an online community among applied social practice postgraduate students during a COVID-19 lockdown. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 17(1), 1-22.
<https://www.tekaharoa.com/index.php/tekaharoa/article/view/385>

Rangiwai, B. (2021c). Hopo: The dread that clings. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 17(1), 1-7. <https://www.tekaharoa.com/index.php/tekaharoa/article/view/361>

Rangiwai, B. (2021d). It's about me! My approach to autoethnography. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 17(1), 1-15.
<https://www.tekaharoa.com/index.php/tekaharoa/article/view/355>

Rangiwai, B. W. (2021). Māori theology and syncretism. *AlterNative: An International Journal of Indigenous Peoples*. 1-8. <https://journals.sagepub.com/doi/10.1177/11771801211038247>

Rangiwai, B. (2021e). Nan's stories. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 17(1), 1-22. <https://www.tekaharoa.com/index.php/tekaharoa/article/view/347>

- Rangiwai, B. (2021). Representation, COVID-19, and failed metaphor: A critical analysis of the Bay of Plenty District Health Board vaccine booklet. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 17(1), 1-30. <https://www.tekaharoa.com/index.php/tekaharoa/article/view/363>
- Rangiwai, B. (2021f). Some brief notes on kai Māori. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 17(1), 1-29. <https://www.tekaharoa.com/index.php/tekaharoa/article/view/359>
- Rangiwai, B. (2021g). Tama-ki-Hikurangi: A whare built for Te Kooti. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 17(1), 1-25. <https://www.tekaharoa.com/index.php/tekaharoa/article/view/340>
- Rangiwai, B. (2021h). Taurua's whare. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 17(1), 1-34. <https://www.tekaharoa.com/index.php/tekaharoa/article/view/371>
- Rangiwai, B. (2021). The Jesus of K Road: Theological reflections on Māori and homelessness. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 17(1), 1-26. <https://www.tekaharoa.com/index.php/tekaharoa/article/view/383>
- Rangiwai, B. (2021i). "Wake up, Sheeple!" Conspiracy theories and Māori during COVID-19. *MAI Journal*, 10(1), 46-49. <https://doi.org/10.20507/MAIJournal.2021.10.1.6>
- Rangiwai, B. (2021j). Walking backwards into the future: Prophecy as an approach for embedding Indigenous values in tertiary education. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 17(1), 1-30. <https://www.tekaharoa.com/index.php/tekaharoa/article/view/360>
- Rangiwai, B. (2021k). "Write the world" and tell the stories of your ancestors. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 17(1), 1-12. <https://www.tekaharoa.com/index.php/tekaharoa/article/view/362>

2020

- Rangiwai, B. (2020a). The impacts of COVID-19 on hongi and the advent of the 'East Coast Wave'. In *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 15(1), 1-14. <https://www.tekaharoa.com/index.php/tekaharoa/article/view/289>
- Rangiwai, B. (2020b). The impacts on tikanga of the Hindu practice of scattering human ashes into waterways compared with the practice of disposing of blood via the wastewater system as part of the arterial embalming process. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 15(1), 1-24. <https://www.tekaharoa.com/index.php/tekaharoa/article/view/288>
- Rangiwai, B. (2020c). "My heart goes shut up, shut up!": Gay marriage to an Indian man—one year on. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 15(1), 1-16. <https://www.tekaharoa.com/index.php/tekaharoa/article/view/286>
- Rangiwai, B. (2020d). The potential effects of COVID-19 on research interviews in Year 2 of the Master of Applied Indigenous Knowledge programme at Te Wānanga o Aotearoa in Māngere.

Te Kaharoa: The eJournal on Indigenous Pacific Issues, 15(1), 1-13.
<https://www.tekaharoa.com/index.php/tekaharoa/article/view/306>

Rangiwai, B. (2020e). Supervision in the Master of Applied Indigenous Knowledge programme at Te Wānanga o Aotearoa in Māngere. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 15(1), 1-11. <https://www.tekaharoa.com/index.php/tekaharoa/article/view/307>

Rangiwai, B. (2020f). Facebook as a substitute for kanohi ki te kanohi in the Master of Applied Indigenous Knowledge programme at Te Wānanga o Aotearoa in Māngere. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 15(1), 1-17.
<https://www.tekaharoa.com/index.php/tekaharoa/article/view/309>

2019

Rangiwai, B. (2019a). Kākahu and gown: The incorporation of kākahu into academical dress in Aotearoa New Zealand with an example of a kākahu worn by a City University of New York graduation ceremony in 2006 – an interview with Sarah Smith. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 12(1), 1-27.
<https://www.tekaharoa.com/index.php/tekaharoa/article/view/246>

Rangiwai, B. (2019b). The spectacle of the queer “Other”: Māori gay(zing) at the 41st Sydney Gay and Lesbian Mardi Gras 2019. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 12(1), 1-13.
<https://www.tekaharoa.com/index.php/tekaharoa/article/view/267>

Rangiwai, B. (2019c). My syncretistic faith-world perspective. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 12(1), 1-92.
<https://www.tekaharoa.com/index.php/tekaharoa/article/view/279>

Rangiwai, B. (2019d). Wānanga habits: The academical dress of Te Wānanga o Aotearoa – notes and images. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 12(1), 1-20.
<https://www.tekaharoa.com/index.php/tekaharoa/article/view/268>

Rangiwai, B. (2019e). “Write(Right) the World”: The benefits of publishing in *Te Kaharoa: The eJournal on Indigenous Pacific Issues* for Master of Applied Indigenous Knowledge students, 2018-2019. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 12(1), 1-33.
<https://www.tekaharoa.com/index.php/tekaharoa/article/view/281>

2018

Rangiwai, B. (2018a). Atuatanga. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 11(1), 222-224. <https://www.tekaharoa.com/index.php/tekaharoa/article/view/209>

Rangiwai, B. (2018b). The Atuatanga model: A methodology for researching Māori theology. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 11(1), 181-194.
<https://www.tekaharoa.com/index.php/tekaharoa/article/view/191>

Rangiwai, B. (2018c). Atuatanga and syncretism: A view of Māori theology. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 11(1), 653-661.
<https://www.tekaharoa.com/index.php/tekaharoa/article/view/242>

- Rangiwai, B. (2018d). "God is..." : A personal theology based on stories from my grandmother. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 11(1), 171-172. <https://www.tekaharoa.com/index.php/tekaharoa/article/view/179>
- Rangiwai, B. (2018e). Hana Kōkō: What's wrong with Nelson's Māori Santa? *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 11(1), 676-684. <https://www.tekaharoa.com/index.php/tekaharoa/article/view/244>
- Rangiwai, B. (2018f). "Hell... unless they repent of their sins and turn to God": The problem of Bible translation and the potential impacts of Israel Folau's comments on Māori and Pasifika minority sexualities. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 11(1), 250-282. <https://www.tekaharoa.com/index.php/tekaharoa/article/view/214>
- Rangiwai, B. (2018g). Hereditary entanglement - whakapapa and genealogical locatedness in Māori research: A researcher's personal experience. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 11(1), 139-170. <https://www.tekaharoa.com/index.php/tekaharoa/article/view/177>
- Rangiwai, B. (2018h). The impacts of contemporary embalming practices on tikanga Māori. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 11(1), 229-249. <https://www.tekaharoa.com/index.php/tekaharoa/article/view/213>
- Rangiwai, B. (2018i). Ka mua, ka muri: A new transformative leadership theory based on a prophecy by Te Kooti Arikirangi Te Turuki. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 11(1), 604-637. <https://www.tekaharoa.com/index.php/tekaharoa/article/view/239>
- Rangiwai, B. (2018j). Karaititanga: Some reflections on my Christology. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 11(1), 591-603. <https://www.tekaharoa.com/index.php/tekaharoa/article/view/238>
- Rangiwai, B. (2018k). Ko au ko te taiao, ko te taio ko au – I am the environment and the environment is me: A Māori theology of the environment. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 11(1), 638-652. <https://www.tekaharoa.com/index.php/tekaharoa/article/view/241>
- Rangiwai, B. (2018l). Mixed-up theology. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 11(1), 175-176. <https://www.tekaharoa.com/index.php/tekaharoa/article/view/184>
- Rangiwai, B. (2018m). My emerging theology. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 11(1), 337-365. <https://www.tekaharoa.com/index.php/tekaharoa/article/view/231>
- Rangiwai, B. (2018n). A reflection on Priscilla Queen of the Desert. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 11(1), 493-497. <https://www.tekaharoa.com/index.php/tekaharoa/article/view/230>
- Rangiwai, B. (2018o). Rangahau and transformative leadership. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 11(1), 662-675. <https://www.tekaharoa.com/index.php/tekaharoa/article/view/243>
- Rangiwai, B. (2018p). Reflections on The Book of Mormon musical: Flirtations with Mormon theology. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 11(1), 283-318. Retrieved: <https://www.tekaharoa.com/index.php/tekaharoa/article/view/215>

- Rangiwai, B. (2018q). "Stories are knowledge, and knowledge is literature": Viewing and re-viewing sites/cites of mātauranga Māori as an alternative to traditional Western literature reviews. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 11(1), 489-492. <https://www.tekaharoa.com/index.php/tekaharoa/article/view/229>
- Rangiwai, B. (2018r). Syncretism in Māori theology. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 11(1), 177-180. <https://www.tekaharoa.com/index.php/tekaharoa/article/view/186>
- Rangiwai, B. (2018s). Tangihanga. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 11(1), 173-174. <https://www.tekaharoa.com/index.php/tekaharoa/article/view/182>
- Rangiwai, B. (2018t). Te Kooti's slow-cooking earth oven prophecy: A Patuheuheu account and a new transformative leadership theory. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 11(1), 1-119. <https://www.tekaharoa.com/index.php/tekaharoa/article/view/240>
- Rangiwai, B. (2018u). Te Umutaoroa: A model for Patuheuheu hapū development. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 11(1), 21-100. <https://www.tekaharoa.com/index.php/tekaharoa/article/view/176>
- Rangiwai, B. (2018v). Te Umutaoroa: A Patuheuheu research model. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 11(1), 1-20. <https://www.tekaharoa.com/index.php/tekaharoa/article/view/169>

2017

- Rangiwai, B. (2017a). The critical theory of Te Kooti Arikirangi Te Turuki. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 10(1), 194-240. <https://www.tekaharoa.com/index.php/tekaharoa/article/view/165>
- Rangiwai, B. (2017b). Māori prophetic movements as sites of political resistance: A case study. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 10(1), 130-192. <https://www.tekaharoa.com/index.php/tekaharoa/article/view/160>
- Rangiwai, B. (2017c). Te Umutaoroa – the slow-cooking earth oven: A case study of intergenerational transference. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 10(1), 241-275. <https://www.tekaharoa.com/index.php/tekaharoa/article/view/168>

2012

- Rangiwai, B. (2012). The potential of prophecy: Māori prophetism and community development. *Te Kaharoa: The eJournal of Indigenous Pacific Issues*, 1(1), Special Edition 1, 69-85. <https://www.tekaharoa.com/index.php/tekaharoa/article/view/96>

2011

- Rangiwai, B. (2011a). 'Race' and the politics of land loss: Colonising discourses for Patuheuheu and Ngāti Haka. *Te Kaharoa: The eJournal of Indigenous Pacific Issues*, 4 (1), 40-96. <https://www.tekaharoa.com/index.php/tekaharoa/article/view/112>
- Rangiwai, B. (2011b). Te Umutaoroa, Patuheuheu and Ngāti Haka: Towards a prophetic model for unity and transformation. *Te Kaharoa: The eJournal of Indigenous Pacific Issues*, 4 (1), 1-32. <https://www.tekaharoa.com/index.php/tekaharoa/article/view/110>

Co-Authored Journal Articles

2022

- Rangiwai, B. & Enari, D. (2022 – pre-publication). Indigenous post-mortem photography. *Photography and Culture*.
- Rangiwai, B., Aliioaiga, E., Cook, M., Latu, F. & Tukutau, M. (2022). The effects of the 2021 Delta lockdown in Aotearoa New Zealand: Some preliminary material to inform a future research question. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 15(1), 1-29. <https://www.tekaharoa.com/index.php/tekaharoa/article/view/394>

2021

- Enari, D. & Rangiwai, B. W. (2021). Digital innovation and funeral practices: Māori and Samoan perspectives during the COVID-19 pandemic. *AlterNative: An International Journal of Indigenous Peoples*, 1-6. <https://doi.org/10.1177/11771801211015568>
- Rangiwai, B., Enari, D., Masae, C., Paea, D., Tahilanu-Mapili, L. & Vailahi, V. (2021). Lost in translation: Reflexive thematic analysis in research with Pacific peoples. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 17(1), 1-8 <https://www.tekaharoa.com/index.php/tekaharoa/article/view/354>
- Rangiwai, B. W. & Sciascia, A. D. (2021). The impacts of COVID-19 on tangihanga. *Journal of Global Indigeneity*, 5(1), 1-14. <https://www.journalofglobalindigeneity.com/article/19435-the-impacts-of-covid-19-on-tangihanga>

2020

Haurua, J., & Rangiwai, B. (2020). Digital marketing in Māori higher education: A case study of Te Wānanga o Aotearoa. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 15(1), 1-21.
<https://www.tekaharoa.com/index.php/tekaharoa/article/view/302>

Simati-Kumar, B. & Rangiwai, B. (2020). A plan for online teaching and learning for the Master of Applied Indigenous Knowledge (MAIK) programme in Māngere: Responding to COVID-19. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 15(1), 1-14.
<https://www.tekaharoa.com/index.php/tekaharoa/article/view/290>

Rangiwai, B., Simati-Kumar, B. & Mataroa, R. (2020a). The He Waka Hiringa Map 2020-2021: Using He Raranga Tangata to support the implementation of the He Waka Hiringa Map in the Master of Applied Indigenous Knowledge programme at Te Wānanga o Aotearoa in Māngere. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 15(1), 1-12.
<https://www.tekaharoa.com/index.php/tekaharoa/article/view/294>

Rangiwai, Simati-Kumar, B., Mataroa, R. (2020b). The impacts of COVID-19 on the 2020 cohort of the Master of Applied Indigenous Knowledge programme at Te Wānanga o Aotearoa in Māngere. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 15(1), 1-21.
<https://www.tekaharoa.com/index.php/tekaharoa/article/view/301>

2019

Rangiwai, B., Albert, M., Bell, T., Cuthers, W., Filisi, F., Hotereni, V., Lambert, C., Leuluai, R., Sasa-Tepania, L., Walker, D. & Yor, A. (2019). He Raranga Tangata: A Māori and Indigenous master's research supervision model derived from our experiences of the Master of Applied Indigenous Knowledge programme at Te Wānanga o Aotearoa in Māngere. *Te Kaharoa: The eJournal on Indigenous Pacific Issues*, 12(1), 1-13.
<https://www.tekaharoa.com/index.php/tekaharoa/article/view/283>

Keynote Presentations

Rangiwai, B. (2018a, November). *Ko au ko te taiao, ko te taiao ko au: I am the environment and the environment is me: A Māori theology of the environment*. Keynote address presented at Sea of Faith Conference, Wellington.

Rangiwai, B. (2018b, November). *Rangahau and transformative leadership*. Keynote address presented at the Bicultural Social Work Conference, Te Wānanga o Aotearoa, Auckland.

Plenary Presentation

Rangiwai, B. (2022, December). *Māori theology and syncretism*. Plenary presentation presented at the New Zealand Association for the Study of Religion Conference, Victoria University of Wellington, Wellington.

Conference Presentations

Rangiwai, B., Baker, C. & Murphy, H. (2022, December). *From the frontline of social work to the classroom: Some Indigenous autoethnographic insights*. Paper presented at MIT – Unitec Research Symposium, Auckland.

Rangiwai, B. (2022, December). *An Indigenous analysis of the bulimia and haka montage in Netflix's The Crown*. Paper presented at MIT – Unitec Research Symposium, Auckland.

Rangiwai, B. (2022, December). *Towards an understanding of Io through Atuatanga*. Paper presented at MIT – Unitec Research Symposium, Auckland.

Rangiwai, B. (2022, October). *An Indigenous analysis of the bulimia and haka montage in Netflix's The Crown*. Paper presented at Otago Polytechnic Māori Research Symposium, Dunedin.

Rangiwai, B. (2021, November). *Māori spirituality and syncretism*. Paper presented at the Sociological Association of Aotearoa New Zealand. Christchurch, New Zealand.

Rangiwai, B. (2018, November). *Atuatanga, syncretism, and contextual theology: A view of Māori theology*. Paper presented at International Indigenous Research Conference, University of Auckland, Auckland, New Zealand.

Rangiwai, B. (2018, July). *Māori prophetic leadership: Ka mua, ka muri – walking backwards into the future*. Paper presented at Leadership Pacific Inaugural Conference, University of the South Pacific, Suva, Fiji.

Rangiwai, B. (2013, September). *Ngā mauri e waru: The development of the Te Umutaoroa (slow cooking earth oven) research model*. Presentation at University of the South Pacific, Rarotonga Campus, Rarotonga, Cook Islands.

Rangiwai, B. (2012, June). *Prophecy and praxis: Māori prophetic movements and community praxis*. Paper presented at the Native American and Indigenous Studies Conference, Mohegan Indian Reservation, Uncasville, CT.

Rangiwai, B. (2012, June). *The potential of prophecy: Māori prophetism and community development*. Paper presented at the International Indigenous Development Research Conference, University of Auckland, Auckland, New Zealand.

Rangiwai, B. (2012, April). *The Te Umutaoroa (earth oven of long cooking) research model*. Presentation at University of the South Pacific, Rarotonga Campus, Rarotonga, Cook Islands.

Rangiwai, B. (2011, July). *Towards a model for research and community development*. Presentation at University of the South Pacific, Rarotonga Campus, Rarotonga, Cook Islands.

Local Presentations

Rangiwai, B. (2018, July). *Māori prophetic leadership: Ka mua, ka muri – walking backwards into the future*. Paper presented at He Waka Hiriā: Master of Applied Indigenous Knowledge Session, Te Wānanga o Aotearoa, Māngere, Auckland.

Rangiwai, B. (2018, March). *Inspiring, innovating and realising (k)new knowledge through rangahau*. Paper presented at Ko Manawatina, Ko Manawatoka – Rangahau Workshop, Te Ihu Takiwā, Manukau Campus, Te Wānanga o Aotearoa, Māngere, Auckland.

Rangiwai, B. (2017, November). *Syncretism in Māori theology*. Paper presented at MAI Doctoral Conference, November 16-18, Palmerston North.

Rangiwai, B. (2013, November). *Self-belief and educational success: The significance of your educational journey at Murupara Area School*. Prize giving speech, November, Murupara Area School, Murupara.

Rangiwai, B. (2013, November). *From the Rangihau model to the Te Umutaoroa hapū development model*. Paper presented to the Tapuika iwi community at the Māori and Pasifika Postgraduate Students Wānanga Series Symposium, November, Moko Marae, Waitangi, Te Puke, New Zealand.

Rangiwai, B. (2012, November). *Te Kooti Arikirangi Te Turuki and Te Umutaoroa: From prophecy to decolonisation and praxis*. Paper presented to the Tapuika iwi community at the Māori and Pasifika Postgraduate Students Wānanga Series Symposium, 23-29 November, Moko Marae, Waitangi, Te Puke, New Zealand.

Rangiwai, B. (2012, October). *Prophecy and praxis: The Te Umutaoroa (earth oven of long cooking) research model and community development*. Paper presented at He Wānanga: Māori leadership in literacy and numeracy, Waiariki Institute of Technology, Rotorua, New Zealand.

Rangiwai, B. (2012, May). *Nineteenth-century prophetic resistance: The case of Te Kooti and the 'Waiohau Fraud'*. Paper presented at 'Assembly', St Paul Street Gallery, Auckland University of Technology, Auckland, New Zealand.

Rangiwai, B. (2012, May). *Prophecy and praxis: Māori prophetic movements and community development*. Presentation at the Māori and Pasifika Postgraduate Students Wānanga Series, Ngā Wai o Horotiu Marae, Auckland University of Technology, Auckland, New Zealand.

Rangiwai, B. (2011, November). *From prophecy to praxis: A critical analysis of Patuheuheu land loss, prophecy and hapū praxis*. Presentation at the Māori and Pasifika Postgraduate Students Symposium, Awataha Marae, Auckland, New Zealand.

Rangiwai, B. (2011, October). *From prophecy to praxis: A critical analysis of Patuheuheu land loss, prophecy and hapū praxis*. Presentation at Ngā Wai o Horotiu Marae, Auckland University of Technology, Auckland, New Zealand.

Rangiwai, B. (2010, August). *My research journey: The effects of racism on Māori land loss*. Presentation at the Māori and Pasifika Postgraduate Students Wānanga Series, Ngā Wai o Horotiu Marae, Auckland University of Technology, Auckland, New Zealand.

Rangiwai, B. (2010, April). *Race, difference and identity: The effects of nineteenth-century racial discourse on Māori land loss*. Presentation at Te Whare Wānanga o Awanuiārangi, Whakatāne, New Zealand.

References on request

Unitec New Zealand Limited

Meeting of Te Komiti Rangahau o Unitec | Unitec Research Committee

Date of Meeting: 13 July 2022

Title	Re-establishment of the Unitec Early Career Researcher Forum Committee
Provided by:	A/P Kristie Cameron and A/P Marcus Williams
For:	Discussion

Recommendation

That the Unitec Early Career Researcher (ECR) Forum:

- re-establishes its prior, multi-disciplinary committee,
- the committee meets at least bi-annually,
- considers strengthening Māori influence, for example membership, or co-chair,
- reports to the URC annually,
- embeds its aims and terms of reference into a ratified procedure to be posted on Te Aka (The Nest) and presented at the committee's August meeting.

Information/Background

The Unitec ECR Forum was established in 2014. It aims to provide space for identification and discussion of the particular issues faced by ECRs at Unitec, with a long-term goal of developing and sustaining ECRs' careers and Unitec's research culture and performance. The forum engages in networking events, workshops and conferences that aim to enhance ECRs' success and form a support structure for ECRs.

The Forum is currently chaired by Associate Professor Kristie Cameron, who is also a member of the Royal Society Te Apārangi's ECR Forum Committee, representing Unitec – Te Pūkenga.

At Unitec, the definition of an ECR is as follows:

An ECR at Unitec lies between 'emerging/beginner' and 'senior/advanced'. An ECR is within 10 years (prior to the closing date for full applications for ECR funding) of becoming an 'independent' researcher, which is defined as one or both of the following, whichever comes first:

1. *A researcher who has been awarded a PhD or a professional doctorate with a significant research component.*
2. *A researcher who has been the primary author of an independently investigated (i.e., unsupervised, disseminated quality assured research output. This criterion excludes conference presentations and typically also excludes very short written outputs.*

Time taken for parental leave is not counted as part of the 10-year window (i.e. one year of parental leave would extend the eligibility period to 11 years since achieving criterion 1 or 2). Note that other forms of extended leave may be considered by negotiation with Tūāpapa Rangahau.

Purpose

The proposed Te Pūkenga restructure is far reaching and will take time to bed in. The Te Pūkenga structures are demonstrably Te Tiriti aligned, ensuring cultural capability across all work streams. The proposed recommendations are intended to more clearly assert the purpose and value of the ECR Forum in the face of oncoming change.

Unitec New Zealand Limited

Meeting of Te Komiti Rangahau o Unitec | Unitec Research Committee

Date of Meeting: 13 July 2022

Title	Research Dissemination Opportunities
Provided by:	A/P Marcus Williams – Director Research & Enterprise
For:	APPROVAL

Recommendations

That the committee continues to support the suspension of the 2023 Research Symposium.

That the committee supports the establishment of a Discipline Based Research Dissemination Package; a directory of opportunities for staff to disseminate their research, such as journals and local and/or virtual conferences of merit.

Information/Background

At its April meeting, the committee moved to suspend the 2023 Research Symposium. While it was acknowledged that the annual research symposium affords opportunities for staff to present their research, chair sessions, review abstracts, and judge research competitions, with the disestablishment of MIT's Research Director (a co-organiser of the 2022 symposium) and the upcoming restructure of Tūāpapa Rangahau, it was determined that planning of a 2023 Research Symposium would not be prudent at this juncture.

Many staff members rely on the symposium as a means to present their research and meet their RPTL obligations, and many incorporate their participation into their IRPs. Tūāpapa Rangahau has been considering how researchers could be supported to disseminate their research via alternative avenues and are proposing to establish a Discipline Based Research Dissemination Package; a directory of opportunities for staff to disseminate their research, such as journals and local and/or virtual conferences of merit.

Justification

Research leadership, management, and administration across Te Pūkenga will now be restructured as part of Phase 2, which is scheduled to fall precisely when a symposium would be held (October - December), therefore the rationale for suspending the 2023 Research Symposium, as discussed at the committee's April meeting, is still valid.

In addition, the current business divisions of Te Pūkenga (NorthTec, Unitec, MIT etc) will no longer exist after July and will sit within four rohe in a single organisation: Te Pūkenga. With Te Pūkenga existing as one organisation, Research Symposium presentations will no longer meet the definition

of a research output for PBRF according to TEC guidelines (which are the same guidelines Unitec uses for the RPTL), as delivery is effectively to an internal audience.

Tūāpapa Rangahau therefore proposes that a better way of supporting staff to achieve research outputs is to put together packages of research dissemination opportunity for the subject domains in each rohe.

Next Steps

Tūāpapa Rangahau will draft a package of alternative research dissemination opportunities and will circulate it to the ePress team, Research Partners and Research Leaders for input.

Contributors

- Brenda Massey, Senior Grants Advisor
- Arun Deo, Research Advisor

Attachments

Draft Package of Research Dissemination Opportunities

Healthcare

Medical Imaging (Conference) – [NZIMRT](#)
 Medical Imaging (Journal) - [Journal of Medical Radiation Sciences](#)
 General (Journal) - [Scope – Health and Wellbeing](#)
 General (Journal) - [Clinical eHealth](#)
 General (Journal) - [International Journal of Environmental Research and Public Health](#)
 Mental Health Nursing (Journal) - [International Journal of Mental Health Nursing](#)
 General Nursing (Journal) - [Journal of Advanced Nursing](#)

Social Practice

General (Journal) - [Aotearoa New Zealand Social Work](#)
 General (Journal) - [Sociological Association of Aotearoa New Zealand \(SAANZ\)](#)
 General (Journal) - [International Social Work](#)
 General (Conference) - [World Community Development Conference](#) (virtual, for 2024)
 General (Conference) - [Journal of Interpersonal Violence](#)
 Counselling & Therapy (Journal) - [New Zealand Journal of Counselling](#)
 Counselling & Therapy (Journal) - [Psychotherapy and Politics International](#)

ECE

General (Journal) - [Early Childhood Education Journal](#)
 General (Journal) - [Early Childhood Folio](#)
 General (Journal) - [Policy Futures in Education](#)
 General (Conference) - [PECERA International Conference](#)
 General (Conference) - [ECV Early Childhood Voices Conference](#)

Business

General (Journal) – [Journal of Small Business & Entrepreneurship](#)
 General (Journal) – [World Journal of Management](#)
 General (Journal) - [Journal of Business and Retail Management Research](#)
 General (Journal) – [European Journal of Marketing](#)
 General (Conference) – [Australian & New Zealand Academy of Management](#)
 General (Conference) – [Australian & New Zealand Marketing Academy](#)
 Supply Chain (Conference) – [NZPICS](#)
 Tourism and Hospitality (Journal) – [Anatolia](#)

EAS

General (Conference) – [New Zealand Ecological Society](#)
 General (Conference) – [Companion Animal Conference](#)
 General (Conference) – [New Zealand Veterinary Association](#)
 General (Conference) - [NETS](#) (NZ Biosecurity Network)
 General (Conference) – [Australasian Ornithological Conference](#)
 General (Conference) – [NZ Bird Conference](#)
 General (Journal and Conference) – [New Zealand Plant Protection Society](#)
 General (Journal) – [Perspectives in Biosecurity](#)
 General (Journal) - [Perspectives in Animal Health and Welfare](#)
 General (Journal) - [Diversity](#)
 General (Journal) – [Frontiers in Environmental Science](#)
 General (Journal) – [Frontiers in Veterinary Science](#)
 General (Journal) – [New Zealand Journal of Botany](#)
 General (Journal) – [Ecological Management & Restoration](#)
 General (Journal) – [Pacific Science](#)

General (Journal) – [New Zealand Veterinary Nurse Journal](#)

General (Journal) – [The Veterinary Nurse](#)

Construction/Engineering

General (Symposium) – [New Zealand Built Environment Research Symposium](#) (NZBERS)

General (Magazine) – [Build Magazine](#)

General (Conference) – [AUBEA](#) (Australasian Universities Building Education Association)

General (Journal) – [Low-carbon Materials and Green Construction](#)

General (Journal) – [Architecture, Structures and Construction](#)

General (Journal) – [International Journal of Building Pathology and Adaptation](#)

General (Journal) – [Atmospheric Environment](#)

General (Journal) – [Building Research & Information](#)

General (Journal) – [Buildings](#)

General (Journal) – [Frontiers in Sustainable Cities](#)

Architecture

General (Conference) – [Resilient and Responsible Architecture and Urbanism \(RRAU\)](#)

General (Conference) – [International Conference of the Architectural Science Association \(ANZAScA\)](#)

General (Conference) – [Society of Architectural Historians Australia and New Zealand \(SAHANZ\)](#)

General (Conference) – [NZILA Firth Conference](#)

General (Journal) – [Landscape and Urban Planning](#)

General (Journal) – [Architecture Now](#)

General (Journal) – [International Journal of Environmental Research and Public Health](#)

General (Journal) – [Asylum](#)

General (Journal) – [Unitec ePress](#)

General (Journal) – [Australian Journal of Environmental Education](#)

Design

General (Conference) – [Australasian Drama Schools Association Conference](#)

General (Conference) – [Voice & Speech Trainers Association Conference](#)

General (Conference) – [Australian Actor Training Conference](#)

General (Conference) – [Art Association of Australia and New Zealand \(AAANZ\) Conference](#)

General (Journal) – [Asia-Pacific Journal for Arts Education](#)

General (Journal) – [Asylum](#)

General (Journal) – [Unitec ePress](#)

General (Journal) – [Public Art Dialogue](#)

General (Journal) – [Dance Research Aotearoa](#)

Computing/Electrical

General (Conference) – [CLESOL](#)

General (Conference) – [Triennial Meeting of International Association of Forensic Sciences \(IAFS\)](#)

General (Conference) – [International Conference on Information Networking \(IEEE ICOIN\)](#)

Electrical (Conference) – [Electrical Engineers Association Conference](#)

General (Conference) – [Computing and Information Technology Research and Education New Zealand \(CITRENZ\)](#)

General (Conference) – [Artificial Intelligence Researchers Association Annual Conference](#)

General (Conference) – [Conference of the Acoustical Society of New Zealand](#)

General (Journal) – [Unitec ePress](#)

General (Journal) – [Journal of Ambient Intelligence and Smart Environments](#)

General (Journal) – [Journal of e-Government Studies and Best Practices](#)

General (Journal) – [International Journal of Engineering](#)

Automotive (Journal) - [*Journal of Automobile Engineering*](#)

General (Journal) - [*IEEE Transactions on Network and Service Management*](#)

Electrical/Automotive (Journal) - [*Journal of Transportation Engineering and Its Applications*](#)

General

[*Higher Education Pedagogies*](#) (Journal)

[*Work-Integrated Learning*](#) (Conference)

[*TERNZ*](#) (Conference) - a conference on teaching and learning research in higher and tertiary education, held in Aotearoa New Zealand, that is open to academics from all disciplines.

[*NZCER*](#) NZ Council for Educational Research (five Journals)

[*Unitec ePress*](#)

Unitec New Zealand Limited

Meeting of Te Komiti Rangahau o Unitec | Unitec Research Committee

Date of Meeting: 13 July 2022

Title	2022 Research Centre Reports
Provided by:	A/P Marcus Williams – Director Research & Enterprise
For:	INFORMATION

Recommendation

That the committee receives annual Research Centre Reports from the Applied Molecular Solutions Research Centre (AMS) and the Cybersecurity Research Centre (CRC).

Information/Background

The Research Centre Procedure requires Unitec Research Centres, of which there are six, to report annually to the URC. Reports will include:

- a) performance against forecast budget and outputs; and
- b) evidence of external funding applications.

Reports from four of the centres were received by the committee in May; the final two reports are now attached for the committee's review.

Purpose

Unitec's Research Centre Procedure requires all Unitec Research Centres to report annually to the Committee.

Attachments

Annual Research Centre Report – AMS

Annual Research Centre Report – CRC

Unitec Research Centre Reporting Template

Unitec's [Research Centre Procedure](#) requires Unitec's Research Centres to report annually to the Unitec Research Committee.

Research Centre:	Applied Molecular Solutions Research Centre
Centre Director:	<i>Outgoing:</i> Associate Professor Dan Blanchon <i>Incoming:</i> Professor Peter de Lange and Dr Sarah Wells

Outline any variations to the vision, mission, aims, priorities and/or distinctiveness of the Centre:

No variations have been made.

Vision Mātauranga aims “to unlock the innovation potential of Māori knowledge, resources and people to assist New Zealanders to create a better future”. Provide an overview of how the Centre has responded to this kaupapa:

AMSRC partners closely with ESRC and the School of Environmental and Animal Sciences (EAS) in this space. EAS has a history of appointing Unitec Honorary Research Fellows to help us to learn about and understand Māori perspectives, to better partner and collaborate. Dr Nick Waipara, the late Kamera Raharaha, and Hema Wihongi have all been appointed. Dr Waipara is an active collaborator in the climbing asparagus and asbestos projects.

For the asbestos project (combined ESRC and AMSRC), we have sought collaboration with mana whenua in the Nelson region to work with them in the asbestos deposits in the Cobb Valley area. We have held discussions with Wakatū Incorporated (made up of four hāpu from the top of the South Island) to look at possible collaborative opportunities. Connected with this, we made contact with Mana Whenua ki Mōhua (Ngāti Rārua, Ngāti Tama and Te Ātiawa) whose rohe contains the asbestos mine. Peter de Lange and Dan Blanchon attended a hui with them in Takaka on March 31st 2021 where we discussed the project and sought collaboration. They supported this in principle and were enthusiastic about collaboration and potentially holding some wānanga. After further discussion with their respective rūnanga, full support was given for our application for a research permit from the Department of Conservation. We have approached them to ask for a representative for a Kāhui Māori for the asbestos research to make their kaitiaki role easier and to share knowledge (including Mātauranga Māori if appropriate), and we have built this into our recently submitted MBIE Endeavour Fund application (March 2023).

In addition, in the asbestos Endeavour fund application, we have proposed to use kaupapa Māori research methodology to explore how rāhui can provide healing and remediation of asbestos contaminated sites. Rāhui enables the environment to recuperate and regenerate without the presence/impacts of humans. Its purpose is both physical and spiritual protection. Our VM-centred research will establish a kāhui of knowledge holders and practitioners who

enact rāhui to explore appropriate monitoring methods, e.g. 'cultural health indicators or 'mauri', that would inform regulated environmental reporting. This part of the project will be led by Dr Nick Waipara and Tanya White (kaihautū at Unitec), in collaboration with Dan Blanchon. Funding for a Māori masters student has been included in the Endeavour application.

Dr Terri-Ann Berry and Dan Blanchon have approached Nga Wai a te Tūi about the possibility of collaborating in the indoor air quality/HRV project.

Summarise any opportunities afforded to students to be involved in the Centre and its activities:

The Unitec ECR Fund partly supported a summer student in 2021/2022 to collect tracking tunnels for eDNA sampling. A postgraduate veterinary student from Massey University completed her Master of Veterinary Studies in Zoo Animal and Wildlife Health, thesis title: "Pathogen prevalence and diversity in native and invasive New Zealand lizards". Supervisors Brett Gartrell, **Marleen Baling** and Kate McInnes. **Peter de Lange** along with Bruce Burns and Lara Shepherd co-supervised Lauren McKenzie, whose MSc thesis (University of Auckland) examined the population genetics and hybridization of *Streblus banksii* in the Auckland Region.

Outline any changes pertaining to the management and operation of the Centre, including to the Centre's Advisory Board and personnel working in or with the Centre:

Dan Blanchon resigned from Unitec in May 2023, and has been replaced by Professor Peter de Lange and Dr Sarah Wells as co-Directors.

Outline any changes to the Centre's research streams/themes:

No significant changes were made in 2021.

Outline any changes to the Centre's internal and external partnerships/collaborations, highlighting any new partnerships/collaborations that have been made:

The internal and external partnerships outlined in the AMSRC Centre Application are still active. Relationships with Auckland Zoo, Auckland Museum, Auckland Council, Massey University, the Moth and Butterflies Trust of New Zealand, HRV, Wakatū Incorporated, and Mana Whenua ki Mōhua have been strengthened. New collaborations with staff at Landcare Research, Auckland Zoo, Project Island Song, and the Department of Conservation have been initiated. As part of the asbestos bioremediation project, a new collaboration has been formed with Professor Mike Manefield at the University of New South Wales, and existing partnerships have been strengthened with the University of Turin (Italy) and Fox Chase Cancer Center (USA).

Please list all submitted and successful external funding applications (a spreadsheet or similar can be appended if easier):

Funding source	Amount applied for	Project	Result
2023 MBIE Endeavour Fund (multiple AMSRC staff)	NZ\$9,349,524.00 excl. gst	Asbestos (with ESRC) (AMS leads Aim 2).	<i>Pending</i>
2022 Kiwa Initiative (Dan Blanchon and Peter de Lange)	€2,980,508	Capacity Building for Evaluating Nature-based solutions in Pacific	<i>Unsuccessful</i>

		Small Island Developing States (PSIDS) (AMS has a very small part of this project and the Unitec team is led by ESRC).	
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Please report on the Centre's annual budgeted versus actual income from the year of commencement of the Centre to the year ended 31 December 2022 (expand the table accordingly, or alternatively this information can be appended if you have it in a different format):

Income Source	Year Ending	Budgeted Income \$ (Project to date)	Actual Income \$
Taxonomy (Landcare - Peter de Lange, RE18010)	December 2022	\$105,000	\$73,230
Auckland Council (Climbing asparagus – Dan Blanchon, RE19017)	December 2022	\$188,252	\$119,000
DoC (Taxonomy of Leptospermum) – Peter de Lange RE19022)	December 2022	\$160,000	\$92,088
Ministry for the Environment (MfE) - Asbestos (with ESRC, RE19007)	December 2022	Unknown*	Unknown*
Landcare (Myrtaceae, Peter de Lange, RE19006)	December 2022	\$10,000	\$7,319
Morris Animal Foundation (Marleen Baling, RE20017)	December 2022	\$16,092	\$2,033
Data Deficient Lichens (DoC) (Dan Blanchon, RE22001)	December 2022	\$24,121	\$23,400
Vinepod (RE21022, Dan Blanchon)	December 2022	\$10,000	\$8,625
HRV (led by ESRC)	December 2022	Unknown*	Unknown*

Briefly account for any difference between budgeted and actual income:

A number of project activities have been delayed by asbestos and Covid-related building closures, pushing income and expenditure into 2023.

*AMSRC provides the molecular biology and microbiology elements of the ESRC-led asbestos bioremediation project (funded by the Ministry for the Environment) and indoor air quality

project (funded by HRV Ltd.). A portion of the funding is allocated for AMSRC but it is not clear where this portion of the funding has ended up in Unitec's accounts.

If there is anything else you wish to report, please do so here:

- AMSRC had a productive year with eleven peer-reviewed journal papers, four conference oral presentations and four posters produced.
- Marleen Baling and Sarah Wells attended Te Aparangi's He Pito Mata 2023 (Te Papa Wellington), which is a conference for early career researchers (ECR) to network and learn more about the state of ECRs in New Zealand. They had the opportunity to network with other ECRs from Maanaki Whenua Landcare Research, Ecogene, AgResearch, MPI and other institutions from across NZ. There were 350 attendees for the two-day conference in April 2023.
- A new agreement between Manaaki Whenua and Sarah Wells to collaborate on a population genomics project stemming from the tui samples collected from her doctoral thesis has been initiated. The project aims to use tui as a model indicator species for how habitat restoration and pest management impacts the population genomics of native species. Funding to be sought in 2023.
- Sarah Wells secured funding from the Unitec ECR Research fund to initiate a project investigating population genomics and hybridisation of *Naultinus* green geckos in the Bay of Islands to begin in late 2023 once permitting requirements have been satisfied and iwi engagement has been conducted.
- Sarah Wells examined a masters thesis of a student from Massey University on DNA barcoding of marine fishes in New Zealand.
- Sarah Wells attended an online two-day conference in Dec 2021 organised by Oxford Nanopore to connect with researchers across the world and discover new research enabled by their new third generation sequencing technologies. This is highly relevant to AMS as we have an Oxford Nanopore MinION. Attending the conference helped her to develop ideas about how we can utilise this sequencer in both future research and the Applied Genomics course within the new Masters of Applied Science.

Please email your completed Research Centre Report to bmassey@unitec.ac.nz before **Friday, 29 April 2022**.

AMS Staff publications 2022-current

Refereed publications:

- Baling M, Brunton D. (2022). Structured phylogeography and restricted gene flow among populations of Fairy Tern (*Sternula nereis*) across Australasia: implications for the endangered New Zealand population. *Ibis*. <https://doi.org/10.1111/ibi.13048>
- de Lange PJ, Schmid LMH. (2022). New combinations in *Pentapogon* for Aotearoa / New Zealand taxa earlier placed in *Deyeuxia* (Poaceae). *Ukrainian Botanical Journal* 79(2): 73-76. <https://doi.org/10.15407/ukrbotj79.02.073>
- de Lange PJ, Pelser PB, Liew C-S, Marshall AJ. (2022). *Senecio pokohinuensis* (Asteraceae), a new combination for an endemic species of Mokohinau Islands, Hauraki Gulf (Tikapa Moana o Hauraki), northern Te Ika a Maui / North Island, Aotearoa / New Zealand. *Ukrainian Botanical Journal* 79(3): 125-129. <https://doi.org/10.15407/ukrbotj79.125>
- Doyle, E., Blanchon, D., Wells, S., de Lange, P., Lockhart, P., Waipara, N., Manefield, M., Wallis, S. and Berry, T.A., 2023. Internal transcribed spacer and 16s amplicon sequencing

- identifies microbial species associated with asbestos in New Zealand. *Genes*, 14(3), p.729.
- Fuller ID, de Lange PJ, Burgess EJ, Sansom CE, van Klink JW, Perry NB. (2022). Chemical diversity of kānuka: Inter- and intraspecific variation of foliage terpenes and flavanones of *Kunzea* (Myrtaceae) in Aotearoa/New Zealand. *Phytochemistry* 196: 113098. <https://doi.org/10.1016/j.phytochem.2022.113098>
- Gillespie LJ, Soreng RJ, Bull RD, de Lange PJ, Smitsen RD. (2022). Morphological and phylogenetic evidence for subtribe Cinninae and two new subtribes, Hookerochloinae and Dupontiinae (Poaceae tribe Poeae PPAM clade). *TAXON*. <https://doi.org/10.1002/tax.12654>
- Lefort MC, Glare TR, Bouchon D & Boyer S (2023) How hindgut microbiota may shape sympatric speciation in an invasive phytophagous scarab. *Entomologia Experimentalis et Applicata* 00: 1–8. <https://doi.org/10.1111/eea.13305>
- Maurin KJL, Baling M, de Lange PJ. (2022). Elevation of *Pennantia* J.R.Forst. & G.Forst. section *Dermatocarpus* Miers. (Pennantiaceae J.Agardh.) to subgenus rank. *Ukrainian Botanical Journal*, 79(4): 199–202. <https://doi.org/10.15407/ukrbotj79.04.199>
- Pearman WS, Wells SJ, Dale J, Silander OK, Freed NE. (2022). Long-read sequencing reveals atypical mitochondrial genome structure in a New Zealand marine isopod. *Royal Society Open Science* 9: 211550. <https://doi.org/10.1098/rsos.211550>
- Querejeta, M., M. Lefort, V. Bretagnolle, and S. Boyer. 2023. Metabarcoding fecal samples to investigate spatiotemporal variation in the diet of the endangered Westland Petrel (*Procellaria westlandica*). *Avian Conservation and Ecology* 18(1):17. <https://doi.org/10.5751/ACE-02410-180117>
- Smitsen RD, Breitwieser I, de Lange PJ. (2022). *Pseudognaphalium* (Asteraceae, Gnaphalieae) diversity in New Zealand revealed by DNA sequences with notes on the phylogenetic relationships of Hawaiian Islands plants referred to *Pseudognaphalium sandwicense*. *New Zealand Journal of Botany*. <https://doi.org/10.1080/0028825X.2022.2132871>
- Conference presentations/posters:*
- Berry, T.-A., Joanne Low, Shannon Wallis, Roger Birchmore, Helen Gremillion, Guillermo Ramirez-Prado, Dan Blanchon, Marleen Baling, Erin Doyle, Tianyi Tang and German Hernandez (2022) Assessing the impact of mechanical ventilation on indoor air quality in homes, in sub-tropical New Zealand. Oral presentation MIT - Unitec Research Symposium 2022 Rangahau: Te Mana o te Mahi Kotahitanga; Research: The Power of Collaboration, Auckland.
- Blanchon, D. J., Doyle, E., Tang, T., Waipara, N., Wallis, S., & Berry, T. (2022, December). Siderophore production in fungi from asbestos biofilms: the first step towards bioremediation of a carcinogenic mineral. Poster presented at MIT - Unitec Research Symposium 2022 Rangahau: Te Mana o te Mahi Kotahitanga; Research: The Power of Collaboration, Auckland.
- Butcher, R, Baling M., McInnes K, & Gartrell B, 2022. Pathogen prevalence and diversity in native and invasive NZ lizards. Wildlife Disease Association Australasia Conference 2022, Kinglake, Victoria. Oral presentation
- Parkinson A, Wells S, Takimoana Everiss T. (2022). Phylogenetic and morphological differentiation between subspecies of New Zealand red admiral butterfly *Vanessa gonerilla* Alfken (Lepidoptera: Nymphalidae). New Zealand Entomological Society conference. Rotorua, October 2022.
- Schmid, L.M.H., Baling, M., Desjardins, S, & de Lange, P. (2022). *Muehlenbeckia* “Chathams” a potentially new endemic *Muehlenbeckia* (Polygonaceae) from the Rēkohu / Chatham

Islands with an image problem. MIT_Unitec Symposium 2022, Online. Student oral presentation.

- Tang, T., Blanchon, D., Bell-Butler, P., Waipara, N., Fisher, L., & Cox, H. (2022, August). Searching for fungal mycoherbicides effective against climbing asparagus (*Asparagus scandens*) in New Zealand. Poster presented at New Zealand Plant Protection Society Conference, Christchurch.
- Tang, T., Blanchon, D., & Fisher, L. (2022, December). Searching for fungal mycoherbicides effective against climbing asparagus (*Asparagus scandens*) in New Zealand. Poster presented at MIT - Unitec Research Symposium 2022 Rangahau: Te Mana o te Mahi Kotahitanga; Research: The Power of Collaboration, Auckland.
- White, T., Tan, L., Blanchon, D., Smith, H., Renata, H., Toki, L., Lamwilai, P., & Ripley, D. (2022, November). Toitū te Whenua: Working together for the wellbeing of te taiao. Poster presented at NZ Ecological Society Conference, Dunedin

2023 UNITEC RESEARCH CENTRE REPORT

Unitec's [Research Centre Procedure](#) requires Unitec's Research Centres to report annually to the Unitec Research Committee.

Research Centre:	Cybersecurity Research Centre
Centre Director:	Denis Lavrov

Outline any variations to the vision, mission, aims, priorities and/or distinctiveness of the Centre:

None

Vision Mātauranga aims "to unlock the innovation potential of Māori knowledge, resources and people to assist New Zealanders to create a better future". Provide an overview of how the Centre has responded to this kaupapa:

The Cybersecurity Research Centre is partnering with Adjunct Professor Christian Probst (former Director of the Cybersecurity Research Centre) and Andrew Sporle (Rangitāne, Ngāti Apa, Te Rarawa), Research Director, iNIZight Analytics and Honorary Professor, University of Auckland, on an application for MBIE Endeavour Fund Research Programme funding for a project looking at data security and sovereignty.

The project is a co-led Te Tiriti-based partnership specifically intended to give effect to the Vision Mātauranga policy to achieve an outcome that not only works for Māori data holders but will extend data analytics capability in other national and international contexts. This work will involve Māori data scientists (Sporle and Tom Elliott, Māori data-science PhD) and applying indigenous innovation in collaboration with the Tūhono Trust to develop Mātauranga Māori informed approaches to safely work collaboratively with whakapapa information and other Māori data. There is a balance of Mātauranga Māori and other science knowledge, but the use case applies Mātauranga Māori and Kaupapa Māori methodology directly to create solutions that are flexible enough for different knowledge and governance systems. The Kaupapa Māori approach treats whakapapa information as a taonga tapu, requiring explicit tikanga-informed protocols for its management, with these protocols being developed by the kaitiakitanga role of Tūhono Trust. The flexible approach is required as the iwi and Māori representative bodies involved with Tūhono Trust have robust existing data management and governance structures.

Summarise any opportunities afforded to students to be involved in the Centre and its activities:

The Cybersecurity Research Centre is hosting interns from the Unitec Diploma in Cybersecurity and Bachelor of Computing Systems. They are given real world experience in secure software development for cybersecurity solutions.

Since the last round of reporting, Cybersecurity Research Centre has hosted:

- Aya Hashad – Cybersecurity Diploma
- Nicholas Burdett – Bachelor of Computing Systems
- Mohammed Azeem - Bachelor of Computing Systems
- Wipun Malewwa - Bachelor of Computing Systems

- Kim Woods – Master of Computing – Internship

If funded, the MBIE Endeavour Fund Research Programme project will afford opportunities for summer internships to provide Māori undergraduate students research experience and link with the Māori data science internship programme run in association with iNZight Analytics. PhD students will be recruited broadly but also within the student population of UoA, ITU, and Unitec.

Outline any changes pertaining to the management and operation of the Centre, including to the Centre’s Advisory Board and personnel working in or with the Centre:

No changes

Outline any changes to the Centre’s research streams/themes:

No changes

Outline any changes to the Centre’s internal and external partnerships/collaborations, highlighting any new partnerships/collaborations that have been made:

The MBIE Endeavour Fund Research Programme project involves:

- iNZight Analytics (Andrew Sporle, Tori Diamond)
- IT University of Copenhagen (Raúl Pardo Jimenez, Andrzej Wasowski, Willard Rafnsson)
- The Tūhono Trust (Daniel Te Kanawa)
- The University of Auckland (Thomas Lumley, Ilze Ziedins, Tom Elliott)
- Statistics NZ (Patrick Graham)
- GeneCrypt (Kris Vette)
- Genomics Aotearoa (Peter Dearden, Andrew Sporle, Michael Black – Through GeneCrypt)

New partnerships made outside of the MBIE Endeavour Research Programme application include:

- NISAN - National Institute for Stroke and Applied Neurosciences (Valeriy Feigin, Alexandr Merkin)

Please list all submitted and successful external funding applications (a spreadsheet or similar can be appended if easier):

Funding source	Amount applied for	Project	Result
GeneCrypt	\$120k	CryptoBAM, Phase 2	Approved
GeneCrypt	\$150k	CryptoBAM, Phase 3a	Approved
Neurological Foundation	\$75,473	Prediction and detection of agitation and aggression in dementia	Pending
Auckland Medical Research Foundation	\$48,466	Application to the Neurological Foundation_Prediction and detection of agitation and aggression in dementia using AI	Pending

MBIE Endeavour Fund Research Programme 2023 (Application submitted March 2023)	\$9.1m	Making informed privacy choices: a platform for data collaboration	Pending
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Please report on the Centre's annual budgeted versus actual income from the year of commencement of the Centre to the year ended 31 December 2022 (expand the table accordingly, or alternatively this information can be appended if you have it in a different format):

Income Source	Year Ending	Budgeted Income \$	Actual Income \$
MBIE – STRATUS	2021	\$1,800,000	\$1,800,000
MBIE – Kaitiaki whenua	2019	\$30,000	\$30,000
ESR – Vein pattern	2020	\$24,000	\$24,000
MBIE- Bayesian probability	2022	\$998,504	\$786,987
ESR – Vein pattern	2021	\$24,000	\$24,000
GeneCrypt - CrytopBAM	2021	\$15,000	\$15,000
GeneCrypt – CrytopBAM Phase 2	2022	\$120,000	\$120,000
GeneCrypt - CrytopBAM Phase 3a	2023	\$150,000	\$99,304
TBC – Partner 2 Phase 1 (Likely PreventS MD)	2023	~\$30k	\$0 (Pending approval \$80K)
Total		\$3,161,504	\$2,899,291

Briefly account for any difference between budgeted and actual income:

Funding for the project with AUT's NISAN is still pending approval from the funding organisations (AMRF and NF), if funded it would produce larger than expected (\$80K vs \$30K) Phase 1 for "Partner 2". Upon completion of Phase 1 with NISAN, it is expected that the team will apply for larger funding for further development of the wearable device (~\$1M).

If there is anything else you wish to report, please do so here:

Phase One and Two have now been completed and Phase Three funding is under negotiation. Phase Three, estimated to be between \$500K-\$1M, will progress in stages, the first stage contract (Phase 3a, \$150K) is currently being finalised. The director of GeneCrypt, Kris Vette, is in advanced negotiations with American deep-tech investors toward Phase 3b. The following details the achievements in the two completed phases;

Phase One

- Securing industry funding of \$15,000
- Securing License Agreement and the Royalty clause with 15% of profits for Unitec
- Appointing Bio-informatician, James Love to the team
- [Stuff article](#)
- [Dominion Post article](#)
- [Scoop article](#)
- GeneCrypt becomes an industry partner on a Unitec led NZ\$1m Smart Ideas project
- Development of CryptoBAM, a world-first, securely encrypted file format for genetic data.

Phase Two

- Securing industry funding of \$120,000
- Completion [Bridge West Ventures](#) Deep Tech Incubator programme with Stanford University
- [CMDT MedTech article](#)
- Global investment website references; [Globe Newswire](#), [Global data](#), [Ignition Lane](#).
- GeneCrypt partner on Unitec NZ\$8m Research Programme bid, rated very highly, Max Kennedy
- Development of CryptoBCF, a secure file format for genetic variation files and;
- Secure Enclave Genomics Analysis Pipeline; ground-breaking genetic information security.
- Deployment of GeneCrypt Technologies to secure world changing organisations, including [AmaroqTX](#), cancer therapy company based on lncRNA, and first in the world clinical CRISPR human trial for treatment of Familial Hypercholesterolemia with partners of Verve Therapeutics

Denis Lavrov is a named researcher on the MBIE funded Smart Ideas project “Assessing Reidentification Risks of Anonymised Data Sets with Bayesian Probabilistic Programming”, which contributed \$346,584 as External Research Income in 2022.

Denis, now Director of Unitec’s Cybersecurity Research Centre, has significant history in this space, starting with the STRATUS project in 2012 (MBIE Endeavour Research Programme, \$12.5m over six years) he led the STRATUS technical team to successful completion of the project, achieving all milestones. He has produced over 15 novel technologies in the field of cybersecurity. Some contributed back to academia (rVM, COR-Honeypot), others co-developed together with industry partners (CRaaS, LogSpider).

Unitec New Zealand Limited

Meeting of URC – Te Komiti Rangahau o Unitec | Unitec Research Committee

Date of Meeting: 2023-07-13

Title	2023 Research Productivity Traffic Light (RPTL) Report
Provided by:	Marcus Williams, Director, Tūāpapa Rangahau
Authored by:	Arun Deo & Marcus Williams
For:	INFORMATION

Recommendation

That the committee receive the 2023 Research Productivity Traffic Light (RPTL) Report and inform its members about the 2023 RPTL results.

Purpose

It is a NZQA requirement to monitor the extent to which degree programme teaching and supervision is underpinned by research activity.

The benefit of this is to observe the research engagement of staff teaching and/or supervising in degree programmes at School, programme and individual staff level and to provide research support or allocate research resources, where needed, based on this data.

Key Points

The RPTL report communicates the outcome of a consistent, rigorous and trackable audit, based on published criteria for what designates the inclusion of a staff member and what constitutes a verified research output that meets the regulated national standard, archived in the Research Output Management System that Unitec utilises. The pride with which the outcome in the 2023 RPTL is announced by the teams listed below needs no justification, given the disruption in the organization and the sector, over the ten years that this audit has occurred.

Information/Background

In order to monitor the extent to which degree programme teaching and supervision is underpinned by research activity, the Academic Committee approved the use of the Research Productivity Traffic Light (RPTL) Report. This report was first presented to the Academic Committee in 2012 and was repeated every year since then. The longitudinal nature of the RPTL productivity metric means trends and forecasting for the research activity of Unitec's degree programmes can be reported.

The attached report summarises the 2023 RPTL results for Unitec's degree programmes.

RPTL Terms of Reference and Methodology

Following is an overview of the key terms of reference and methodology approved by Academic Committee:

- » The criteria for inclusion are permanent full time or part time staff, or staff on contracts of 12 months or more, with an FTE of at least 0.2 who significantly taught and/or supervised on degree and above level courses during Semester One 2023.
- » Staff returning from maternity leave are excluded from RPTL for one year.
- » For the purposes of the RPTL a 'research active' staff member is defined as someone who produces at least two eligible research outputs that are verified in ROMS (Unitec's Research Output Management System) within the past two years. For part-time staff the criteria are at least one research output for the two previous audited years.
- » The current 2023 report is based on staff's research activity as recorded in ROMs for 2021 and 2022 period.

Contributors

- » Arun Deo – Research Advisor, Tūāpapa Rangahau.
- » Marcus Williams – Director, Tūāpapa Rangahau
- » Heads of Schools
- » Research Leaders

Attachments

Please refer to the attachment: 2023 Research Productivity Traffic Light (RPTL) Report.pdf

2023 Research Productivity Traffic Light (RPTL) Report

Background

In order to monitor the extent to which degree programme teaching and supervision is underpinned by research activity, a NZQA requirement, the Academic Committee approved the use of the Research Productivity Traffic Light (RPTL). The RPTL Report was first presented to the Academic Committee in 2012 and was repeated every year since then. The longitudinal nature of the RPTL productivity metric means trends and forecasting for the research activity of Unitec's degree programmes can be reported. The Unitec Research Strategy 2020-2024 outlines Unitec's aspiration regarding RPTL performance, stating that all programmes at degree level and above will be rated "green" by 2020.

In the context of a tertiary education organisation and a sector which has experienced consistent disruption during the 11 years of RPTL reporting, this document summarises the RPTL results for Unitec's degree programmes up to 2023.

RPTL Terms of Reference and Methodology

Following is an overview of the key terms of reference and methodology approved by Academic Board:

- » The criteria for inclusion are permanent full time or part time staff, or staff on contracts of 12 months or more, with an FTE of at least 0.2 who significantly taught and/or supervised on degree and above level courses during Semester One 2023.
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- » The current 2023 report is based on staff's research activity as recorded in ROMs for 2021 and 2022 period.

The 2023 Research Productivity Traffic Light (RPTL) Results

The RPTL analysis uses a traffic light colour system to represent levels of research activity in each degree programme:

- » **Green** is the required standard, where at least 75% of staff teaching and/or supervising on the programme are producing the required number or more outputs for the two-year period under review.
- » **Amber** is marginal, with 50-74% of staff producing the required number or more outputs.
- » **Red** is below standard with under 50% of staff achieving the required number of outputs.

In the 2023 reporting period, Unitec maintained the consistent gains made since the Traffic Light report was introduced in 2012 (see Table 1 and Figure 1 below) to a high extent, considering difficult circumstances. The percentage of green lit programmes went down from 93% in 2022 to 87% in 2023. In 2023, there were 30 active degree programmes while in 2022, there were 29. There is a difference of 1 programme. In 2023, one programme was taught out at the end of 2022 and in 2023, two new programmes were introduced.

Programme Status	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Count of green-lit programmes	9	10	14	19	21	28	27	33	28	31	27	26
Count of amber-lit programmes	7	8	9	12	16	8	5	7	3	0	2	4
Count of red-lit programmes	11	9	7	4	3	5	8	2	3	0	0	0
Total	27	27	30	35	40	41	40	42	34	31	29	30
Programme Status	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Percentage of green-lit programmes	33%	37%	47%	54%	53%	68%	68%	79%	82%	100%	93%	87%
Percentage of amber-lit programmes	26%	30%	30%	34%	40%	20%	13%	17%	9%	0%	7%	13%
Percentage of red-lit programmes	41%	33%	23%	11%	8%	12%	20%	5%	9%	0%	0%	0%
Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Table 1: Total number and percentage of green, amber and red lit degree programmes 2012-2023

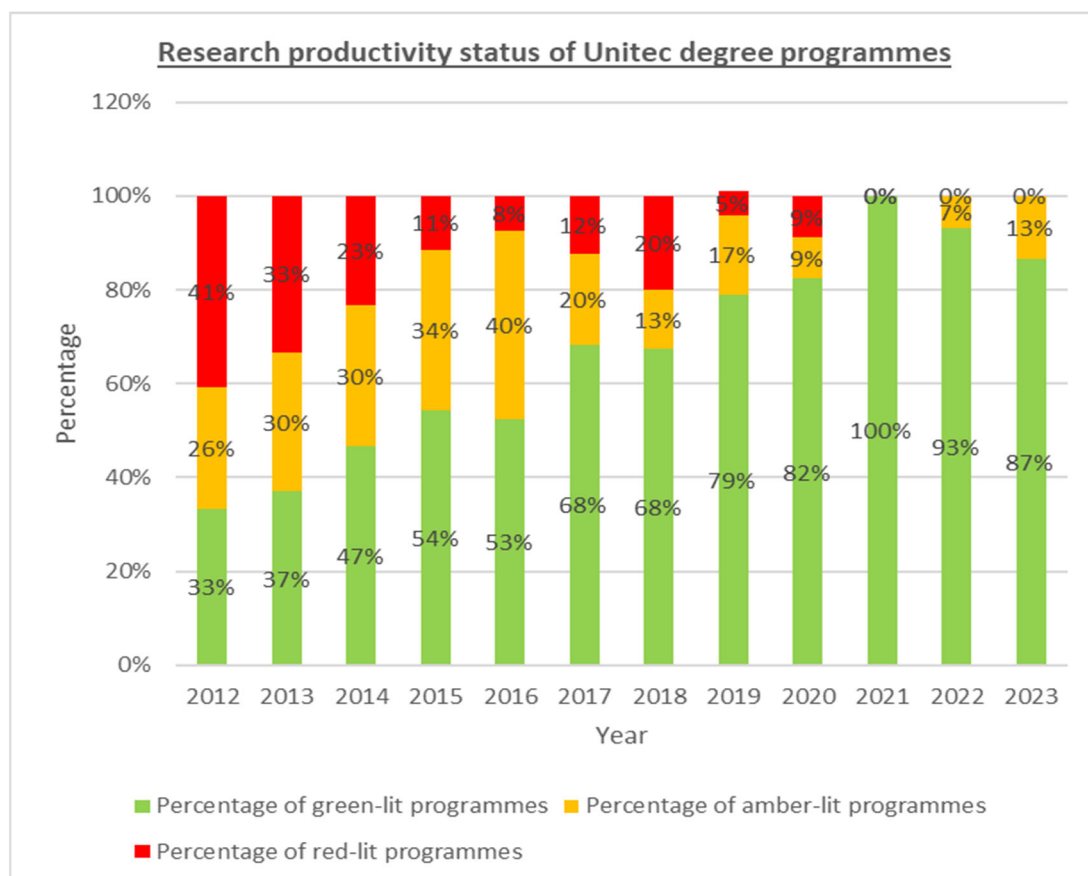


Figure 1: Total number of green, amber and red lit degree programmes 2012-2023

Observations:

- » Eighty-seven percent of the programmes are green lit, and the remaining are amber lit. There are no red lit programmes.
- » A total of 23 programmes have more than 80% of their staff green lit. Out of these, sixteen programmes have 100% of their staff green lit.
- » Some programmes' green percentage figure was affected by the new staff who joined the programme. A majority of these new staff either just started their academic career or were research inactive in their previous role.

Table 2 below shows the RPTL results for the individual programmes. The column "Percentage point change from 2022" shows the progress the programmes made since last year.

School	Programme	Count of Staff Teaching in Degree Programmes in 2023	Count Green Lit Staff	Count of Amber Lit Staff	Count of Red Lit Staff	RPTL Status in 2023 (Based on 2021/2022 Research Activity)	Percentage Point Change from 2022	RPTL Status in 2022 (Based on 2020/2021 Research Activity)	RPTL Status in 2021 (Based on 2019/2020 Research Activity)	RPTL Status in 2020 (Based on 2018/2019 Research Activity)	RPTL Status in 2019 (Based on 2017/2018 Research Activity)
School of Applied Business	Bachelor of Business	14	10	4	0	71%	-29%	100%	94%	82%	64%
	Master of Applied Business	7	5	1	1	71%	-29%	100%	100%		
	Master of Professional Accounting	6	6	0	0	100%	0%	100%	80%		
	Postgraduate Diploma in Applied Business	7	5	1	1	71%	-29%	100%	100%	100%	100%
School of Architecture	Bachelor of Architectural Studies	19	18	0	1	95%	4%	90%	84%	80%	87%
	Bachelor of Landscape Architecture	7	6	0	1	86%	11%	75%	80%	78%	86%
	Master of Architecture (by Project)	4	4	0	0	100%	0%	100%	100%	100%	100%
	Master of Architecture (Professional)	20	20	0	0	100%	0%	100%	92%	88%	88%
	Master of Landscape Architecture	3	3	0	0	100%	0%	100%	100%	75%	86%
School of Building Construction	Bachelor of Construction	8	6	2	0	75%	-5%	80%	82%	62%	75%
	Bachelor of Engineering Technology	20	15	4	1	75%	4%	71%	80%	50%	48%
School of Community Studies	Bachelor of Teaching (ECE)	9	7	1	1	78%	0%	78%	89%	78%	80%
School of Computing, Electrical & Applied Technology	Bachelor of Applied Technology	5	5	0	0	100%	17%	83%	100%	25%	80%
	Bachelor of Computing Systems	13	12	0	1	92%	14%	79%	85%	73%	93%
	Bachelor of Engineering Technology	20	15	4	1	75%	4%	71%	80%	50%	48%
	Doctor of Computing (Teach Out)	4	4	0	0	100%	25%	75%	100%	80%	100%
	Master of Applied Technology	10	10	0	0	100%	100%				
	Master of Computing	7	7	0	0	100%	14%	86%	100%	86%	100%
	Postgraduate Diploma in Applied Technology	10	10	0	0	100%	100%				
	Postgraduate Diploma in Computing	8	8	0	0	100%	13%	88%	100%	88%	100%
School of Creative Industries	Bachelor of Creative Enterprise	9	9	0	0	100%	0%	100%	100%	100%	82%
	Bachelor of Design and Contemporary Arts	11	11	0	0	100%	0%	100%			
	Bachelor of Performing and Screen Arts	12	11	0	1	92%	1%	91%	85%	80%	80%
	Master of Creative Practice	12	12	0	0	100%	0%	100%	100%	87%	86%
	Postgraduate Diploma in Creative Practice	13	13	0	0	100%	0%	100%	100%	100%	85%
School of Environmental & Animal Sciences	Bachelor of Applied Science (Natural Sciences)	17	14	1	2	82%	0%	82%	88%	76%	88%
	Bachelor of Veterinary Nursing	10	6	2	2	60%	-15%	75%	75%	80%	
School of Healthcare & Social Practice	Bachelor of Health Science (Medical Imaging)	5	5	0	0	100%	0%	100%	100%	83%	100%
	Bachelor of Nursing	16	13	3	0	81%	6%	75%	93%	36%	25%
	Bachelor of Social Practice	10	9	1	0	90%	-10%	100%	89%	90%	85%
	Master of Applied Practice (Social Practice)	7	7	0	0	100%	0%	100%	100%	88%	100%

Table 2. The Traffic Light scores for all Unitec degree programmes 2019 to 2023

Conclusion

The excellent progress Unitec has made since 2012 raising research activity at degree level has been relatively well maintained in 2023, despite the pandemic and the uncertainties of the Te Pūkenga restructure. It is critical that individual and school research planning continues as a dynamic process which is integrated into academic management and that the necessary actions are collaboratively implemented by Tūāpapa Rangahau's Research Partners with Research Leaders and Heads of Schools, to maintain strong results in the coming years.

Te Komiti Rangahau o Unitec | Unitec Research Committee Self-Assessment

Purpose: NZQA requires the Committees of Unitec's Academic Board to provide evidence of self-assessment.

Te Komiti Rangahau o Unitec Self-Assessment Provocations

- Can we improve the way the committee is run?
- Is time well managed?
- Are issues under discussion well-handled and resolved?
- Are the agenda and minutes well handled?
- Are the perspectives of committee members respected and heard?
- Are actions completed and accounted for?
- Were there matters raised and dealt with in the meeting that were particularly helpful or unhelpful?
- Does the committee oversee and ensure compliance within its mandate?
- Does the committee show foresight and proactively engage in continuous improvement?
- Does the committee review and improve the relevant policies, guidelines and regulations?