
Annual Research Report

School of Nursing

2023



HEALTH SCIENCES
UFS

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UFS
HEALTH SCIENCES
THE SCHOOL OF NURSING

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2023

FOREWORD

Research is a cornerstone of academic institutions. The productivity of departments and schools within a university are constantly being measured based on research outputs. The School of Nursing at the University of the Free State not only values research outputs in terms of volume but also focuses on the quality of research and the impact that research has on nursing science, education, and the communities. These aspirational values specific to research are enshrined within the **VISION 130** of the UFS and the strategy (2024-2029) of the School of Nursing.

The year 2023 focused on establishing two additional research niche areas and re-thinking the functions of the current research niche areas. The two emerging research niche areas namely, “Mental Health and Violence” and “Patient Safety and Ethics” have been established with some of the educators at the school aligning their research focus with the niche areas including collaborations with the Free State Department of Health. The future of these two niche areas is focused on establishing umbrella projects that would allow for the integration of postgraduate students and application for funding from various bodies. This is a step in the positive direction towards diversifying the research impact of the School of Nursing.

The established research niche areas are continuously evolving through establishing new projects, strengthening partnerships, and increasing their visibility across the university and the international platforms. The researchers at the School of Nursing are renowned for their excellent work – evidenced by publications in high impact journals, presenting their work in global conferences and being invited to present workshops and keynote addresses. However, research mentoring and a seamless integration of postgraduate students should be next strategic direction including increasing funding for research, publications, and conference attendance.

This year has been a challenging one, with various parallel activities for academics at the School of Nursing which may have compromised the time and ability of researchers to engage in their research activities. These challenges will probably be present in the foreseeable future and innovating strategies need to be imagined for sustained research outputs. The researchers that contributed to the research outputs of the school, including students and administrators are highlight acknowledged for their hard work. Also, acknowledging the support of the various evaluation committees, the research committee, and the management of the School of Nursing for their tireless efforts in ensuring impactful and high-quality research.

As we reach the horizon of 2024, the School of Nursing strategy comes to life, we look forward to diversifying our research approaches, strengthening our research niche areas, and supporting our researchers towards meaningful and impactful research.

Prof Champion Nyoni, PhD MHPE

Chair: Research

School of Nursing: UFS

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ANNUAL RESEARCH REPORT SCHOOL OF NURSING 2023

1. INTRODUCTION

The School of Nursing prides itself on being at the forefront of research in nursing in South Africa. The research activities at the School of Nursing are an integral part of the school's identity and allow the school to fit within and contribute to the academic space of the University of the Free State. The annual research report for 2023 highlights several activities related to research including the research committee, the strategic focus of the research committee and a report of the research activities as performed by staff and academics at the School of Nursing.

2. RESEARCH COMMITTEE

The Research Committee is comprised of Research Chair, the Head of the School of Nursing, the Programme Director, and the Leads of the Research Niche areas, a junior researcher, a Post Doctoral fellow and a Senior Administrative Assistant are part of the research committee.

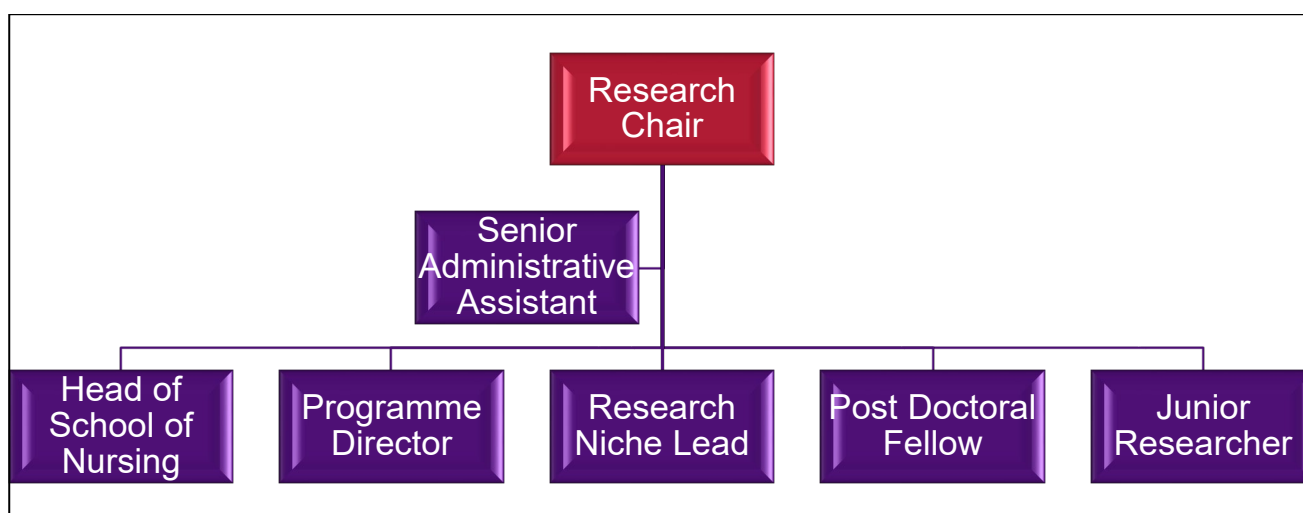


Figure 1: The Research Committee of the School of Nursing, UFS

Research Committee Members

Prof Champion Nyoni, - *Research Chair*

Suzette Spangenberg- *Senior Administrative Assistant*

Dr Jeanette Sebaeng- *Head of the School of Nursing*

Dr Lebuile Mogakwe- *Programme Director*

Dr Cynthia Spies- *Education Research Niche*

Prof Marianne Reid – *Health Communication Niche*

Dr Julia Modula- *Mental Health and Violence Niche*

The research committee met monthly throughout the year with a focus on enacting the research strategy of the School of Nursing and reporting on activities within the research niche areas. The functions of the committee were effective with a need to largely re-think some approaches towards enhancing output and activity. It was noted that there is generally a need for stronger support for the newly established niche areas – towards developing umbrella research projects, integrating postgraduate students, and applying for grant funding for research. In addition, the committee resorted to reducing the number of meetings to quarterly – to allow for time towards meaningful research outcomes.

3. STRATEGIC FOCUS OF THE RESEARCH COMMITTEE

The Research Committee functioned under the following strategic foci:

- a. Co-ordination of non- qualification research at the School of Nursing
- b. Administration of finances related to the Research Committee namely publication fees, conference attendance fees, and research funds
- c. Aligning research activities of the School of Nursing with the strategic objectives of the FHS, UFS, and the FS DoH
- d. Collaboration and liaison with stakeholders from various contexts including the Office of the Vice-Dean Research, the HSREC, the Postgraduate office, representatives of other Schools etc
- e. Coordinate research development of staff at the School of Nursing
- f. Administer research database including staff expertise and research publications
- g. Administrate guidelines and policies related to research at the School of Nursing



Figure 2: Strategic focus of the Research Committee at the School of Nursing

The following section is a brief report on the specific activities of the research committee per strategic objective including a reflection on successes and challenges and recommendations for the future.

a) Co-ordination of non-qualification research at the School of Nursing

The process of coordination of non-qualification research at the School of Nursing involves setting up ad-hoc evaluation committees for research proposals by staff at the School of Nursing and supplying appropriate documentation to enable the researchers to optimally engage with their research. Three research studies served on the Research committee as part of non-qualification research.

Nchambi et al. (2023) *Development and Validation of a Swahili Cancer Health Literacy test.*

Hattingh et al. (2023) *Assessing the content for a discipline specific academic literacy for nursing students at the University of the Free State*

Pienaar et al. (2023)

Other collaborative projects has served in the other evaluation committees and were processed to serve at the Health Sciences Research Ethics Committee.

b) Administration of finances related to the Research Committee namely publication fees, conference attendance fees, and research funds

Financing Research activities at the School of Nursing has been a function of both the research committee and the Head of the School of Nursing. Research activities were budgeted for from the School of Nursing operational budget, with activities including the two writing retreats, conference attendance and publication fees. The School of Nursing projected at least 30 publications with a contribution of 30 000 ZAR per manuscript with authors expected to supplement the article processing fees from the Open Access Fund of the UFS and their personal entities.

To align with the various changes related to conference fees, the School of Nursing management approved changes in the conference attendance fees to 15 000 ZAR for local conference and the 30 000 ZAR for international conferences. In the same space, the researchers are expected to supplement the conference attendance with their own personal entities and other sources of funds.

Recommendations

- Revising the process of accessing the Central Research Funds at the School of Nursing

c) Aligning research activities of the School of Nursing with the strategic objectives of the FHS, UFS, and the FS DoH

The four research niche areas are aligned with the priorities of the Faculty of Health Sciences, the UFS, and the SDGs. Investigations are underway to align the research activities and niche areas with the Free State Department of Health priorities. (See table 1)

School of Nursing Research Niche	Faculty of Health Science Research Priorities	UFS Research Priorities	Sustainable Development Goals (SDGs)
<p>Education and Transfer of Learning</p>	<p>Health Sciences Education, Interprofessional Education and Simulation based education.</p>	<p>Health and Well-being</p>	<p>SDG 3: Good Health and Wellbeing.</p> <p>3.3. Infectious diseases by 2030, end the epidemics of AIDS, tuberculosis, malaria and neglected tropical diseases, and combat hepatitis, waterborne diseases, and other communicable diseases.</p> <p>Target 3.c Substantially increase health financing and the recruitment, development,</p> <p>Training and retention of the health workforce in developing countries, especially in least developed countries and small island developing States.</p> <p>SDG 4: Quality Education</p> <p>Target 4.3 By 2030, ensure equal access for all women and men to affordable and quality technical, vocational and tertiary education, including university</p> <p>Target 4.4 By 2030, substantially increase the number of youth and adults who have</p>

			<p>relevant skills, including technical and vocational skills, for employment, decent jobs and entrepreneurship</p> <p>SDG 9: Industry, innovation and infrastructure Target 9.a Facilitate sustainable and resilient infrastructure development in developing countries through enhanced financial, technological and technical support to African countries, least developed countries, landlocked developing countries and small island developing States</p> <p>SDG 17: Partnership for the Goals Target 17.6 Enhance North-South, South-South and triangular regional and international cooperation on and access to science, technology and innovation and enhance knowledge sharing on mutually agreed terms, including through improved coordination among existing mechanisms.</p>
Health Communication-Dialogue	Chronic illnesses and public health	Health and well being	<p>SDG 3: Good Health and well-being 3.4. Noncommunicable diseases By 2030, reduce by one third premature mortality from noncommunicable diseases through prevention and treatment, and promote mental health and well-being.</p>
Mental Health and Violence	Chronic illnesses and public health	Health and well being	<p>SDG 3: Good Health and well-being</p>

			Target 3.4 By 2030, reduce by one third premature mortality from non-communicable diseases through prevention and treatment and promote mental health and wellbeing
Ethics, Patient Safety and Maternal Health	Ethics	Health and well being	<p>SDG 3: Good Health and well-being</p> <p>Targets of Sustainable Development Goal 3 to ensure healthy lives and promote well-being for all at all ages</p> <p>3.1. Maternal mortality</p> <p>By 2030, reduce the global maternal mortality ratio to less than 70 per 100 000 live births.</p> <p>3.2. Neonatal and child mortality</p> <p>By 2030, end preventable deaths of newborns and children under 5 years of age, with all countries aiming to reduce neonatal mortality to at least as low as 12 per 1000 live births and under-5 mortality to at least as low as 25 per 1000 live births</p>

d) Collaboration and liaison with stakeholders from various contexts including the Office of the Vice-Dean Research, the HSREC, the Postgraduate office, representatives of other Schools etc

The School of Nursing is part of many collaborations with various stakeholders in the Faculty of Health Sciences, the University of the Free State, in South Africa and beyond.

Collaborations and Liaisons in the Faculty of Health Sciences

- Faculty Postgraduate and Research Committee – Prof Nyoni
- Health Sciences Research Ethics Committee – Prof Nyoni, Prof Fichardt, Dr Shokane, Dr Pienaar, Dr Jansen, and Prof Hugo-van Dyk
- Health Sciences Research Ethics Committee Executive Committee- Prof Fichardt

Reports are presented to relevant members at the School of Nursing and the research committee.

e) Coordinate research development of staff

Research development for staff at the School of Nursing was through research discussions which were led by various experts at the university and beyond. The table shows the research discussions that were held at the School of Nursing.

Presenter	Title of the presentation	Date	Number of Participants	Comments
Cornelle Scheltema-Van Wyk (UFS)	Your academic digital footprint	7 August 2023- Face to Face at the Marlene Viljoen Hall	18	Most academic staff still need to develop their online presence through social media and other platforms.
Prof Werner Cordier (UP)	Artificial Intelligence: How to use it in my teaching	20 November 2023 Online	41	Most of the participants where from the Faculty of Health Sciences, there was an expressed need for a hands-on experience of using AI

Recommendations

- Increase the number of research discussions with a focus on hands on activities for staff learning.

f) Administer research database including staff expertise and research publications

The research database is being created that would allow for a digital process of capture publications and publication outputs in addition to the University of the Free State systems such as the RIMS process.

g) Administrative guidelines and policies related to research at the School of Nursing

Two policies with a direct impact on the research and research activities of the School of Nursing were revised. The conference attendance policy and the publication policy were revised.

These revised policies will be implemented in 2024.

4 RESEARCH ACTIVITIES OF THE STAFF AT THE SCHOOL OF NURSING

The research activities of the School of Nursing are reported with a focus on conferences, the publications, awards, and collaborations.

4.1 Conferences

The report shows the conferences that were attended locally, nationally, and internationally.

4.1.1 Local at the University of the Free State

Presenters	Title of presentation/Poster	Name of Conference	Dates of Conference
Masava B, Nyoni CN, Botma Y	STANDARDS FOR SCAFFOLDING IN HEALTH SCIENCES EDUCATIONAL PROGRAMMES: A GLOBAL CONSENSUS STUDY	UFS Faculty Research Forum	24 – 25 August, 2023
Nyoni CN, Hugo-van Dyk, Botma Y	DOCTORAL CONTRIBUTION TO NURSING SCIENCE IN SUB-SAHARAN AFRICA: A DOCUMENT REVIEW	UFS Faculty Research Forum	24 – 25 August, 2023
Kataza P, Hugo -van Dyk L	COPING STRATEGIES OF UNDERGRADUATE STUDENTS IN HEALTH SCIENCES: A SCOPING REVIEW	UFS Faculty Research Forum	24 – 25 August, 2023
Setlogelo MB Nyoni CN	THE NON-COGNITIVE ATTRIBUTES OF UNDERGRADUATE NURSING STUDENTS: A SURVEY AT A SOUTH AFRICAN UNIVERSITY	UFS Faculty Research Forum	24 – 25 August, 2023
Fourie C Botma Y	HIGH-FIDELITY MOULAGE MAKES SIMULATIONS "COME ALIVE"	UFS Faculty Research Forum	24 – 25 August, 2023
M Reid, L Talbot, M Pienaar, E Janse van Rensburg, M Nel, L Radebe, D Krige, E Opisa, J Swanepoel, M le Roux, CM Walsh and C Hassan	PIONEERING INITIATIVES FOR DIABETIC CARE IN AFRICAN PRIMARY HEALTH CARE SERVICES	UFS Faculty Research Forum	24 – 25 August, 2023
Modula M.	THE SUPPORT NEEDS OF FAMILIES RAISING CHILDREN WITH INTELLECTUAL DISABILITY	UFS Faculty Research Forum	24 – 25 August, 2023

Masava B, Nyoni CN, Botma Y	USABILITY OF STANDARDS FOR SCAFFOLDING IN A HEALTH SCIENCES PROGRAMME: A FEASIBILITY STUDY	UFS Faculty Research Forum	24 – 25 August, 2023
Fourie C, Botma Y	EXPLORATORY FACTOR ANALYSIS OF THE MOULAGE AUTHENTICITY RATING SCALE AND PROPOSED ADAPTATIONS	UFS Faculty Research Forum	24 – 25 August, 2023
Chipu M, C Downing	THE DEVELOPMENT AND IMPLEMENTATION OF A MODEL TO FACILITATE SELF-CARE OF THE PROFESSIONAL NURSES CARING FOR CRITICALLY ILL PATIENTS	UFS Faculty Research Forum	24 – 25 August, 2023
Hugo-van Dyk	VICE CHANCELLOR AWARD	UFS Learning and Teaching conference	13- 15 September 2023
Hattingh M	BEST PRACTICE GUIDELINES MIGHT MOTIVATE STUDENT PARTICIPATION IN PPE	UFS Learning and Teaching conference	13- 15 September 2023
Botha BS & Nyoni CN	SIMULATIONS VS. VIRTUAL REALITY - WHICH PATH WILL YOU TAKE?	UFS Learning and Teaching conference	13- 15 September 2023
Hugo-van Dyk L & Botha BS	EMPOWERING THE 21ST CENTURY NURSING EDUCATOR: HARNESSING VIRTUAL REALITY FOR EFFECTIVE LEARNING IN A DIGITAL AGE	UFS Learning and Teaching conference	13- 15 September 2023
Hattingh M	PREPARED FOR HIGHER EDUCATION? STAFF AND STUDENT PERCEPTIONS OF ACADEMIC LITERACY IN NURSING	UFS Learning and Teaching conference	13- 15 September 2023

4.1.2 National – South Africa

Presenters	Title of presentation/Poster	Name of Conference	City	Dates of conference
Nyoni CN & Cordier W	“I REALLY DON’T KNOW WHAT WE DO”: PROFESSIONAL IDENTITY FORMATION TOWARDS INTERPROFESSIONAL IDENTITY. A WORKSHOP PRESENTED AT THE IN	Southern Africa for Health Educationalists	Gqiberha, South Africa.	June 2023
Masava B., Nyoni C.N. & Botma Y	STANDARDS FOR SCAFFOLDING IN HEALTH SCIENCES EDUCATION PROGRAMMES: A	Southern Africa for Health Educationalists	Gqiberha, South Africa	June 2023

	GLOBAL CONSENSUS STUDY.			
Keiller, L. Nyoni C.N. & van Wyk C	A MODEL FOR DESIGN OF ONLINE HEALTH PROFESSIONS EDUCATION FACULTY DEVELOPMENT COURSES FOR SUB-SAHARAN AFRICA.	Southern Africa Association for Health Educationalists	Gqiberha, South Africa	June 2023
Masava B., Nyoni C.N. & Botma Y.	USABILITY OF STANDARDS FOR SCAFFOLDING FOR A HEALTH SCIENCES PROGRAMME: A FEASIBILITY STUDY.	Southern Africa Association for Health Educationalists	Gqiberha, South Africa	June 2023
Nyoni CN	INTERPROFESSIONAL EDUCATION AND IDENTITY: THINKING ABOUT TEAMS IN CONTEXT.	Southern Africa Association for Health Educationalists	Gqiberha, South Africa	June 2023
Nyoni CN	GROWTH IN INTERPROFESSIONAL EDUCATION	African Nursing Conference	Johannesburg, South Africa	July 2023
Nyoni CN	FOSTERING COLLABORATION IN SUB-SAHARAN AFRICA: RESEARCH, EDUCATION AND PRACTICE	University of Cape Town – Department of Health Professions Education	Cape Town, South Africa	September 2023
Nyoni CN	INTERPROFESSIONAL EDUCATION AND IDENTITY: THINKING ABOUT TEAMS IN CONTEXT.	University of Kwa-Zulu Natal- Department of Health Professions Education	Durban, South Africa	November 2023
Hattingh M	USING THE JIGSAW METHOD FOR LEARNING-CENTRED TEACHING	Scholarship of the South (SOTL Conference)	Golden Gates	November 2023
Hugo-van Dyk L Nyoni, C & Botma, Y	AN E-LEARNING PROGRAMME FOR CLINICAL FACILITATORS: WILL THEY REMEMBER?	Scholarship of the South (SOTL conference)	Golden Gates	November 2023
Nyoni CN	CO-TEACHING AND CO-CREATING IN THE CONTEXT OF INEQUALITY - PANEL	Scholarship of the South (SOTL conference)	Golden Gates	November 2023

4.1.3 International- Outside South Africa

Presenters	Title of presentation/Poster	Name of Conference	City and country	Dates of conference
Nyoni CN & Goodolf D	Student nurses perceptions of professional identity in nursing across context: an associative group analysis.	International Society for Professional Identity in Nursing Conference	Kansas City, USA	September 2023
Nyoni C	Health challenges in 21 st century.	Nursing Education at the Centre for Global Health Equity	Kigali, Rwanda	July 2023
Van der Merwe A, Van wyk R & Nyoni CN	Educator needs regarding a simulation debriefing programme A missed opportunity for interprofessional practice in a South African University	All Together Better Health	Doha, Qatar	November 2023
B. Botha BS, Hugo-van Dyk L & Nyoni CN	Desktop based virtual reality to enhance role clarification in Interprofessional education.	All Together Better Health	Doha, Qatar	November 2023
Hugo-van Dyk L, Botha BS & Nyoni CN	An online programme for Clinical Facilitators in Health Professions education: A missed opportunity for IPE.	All Together Better Health	Doha, Qatar	November 2023
Reid	Health dialogue and literacy test*	Nursing Trends	Rome, Italy	April 2023
Jansen	Mental Health*	European Conference on Mental Health	Ljublijana, Slovenia	September 2023
Modula	Mental Health *	Conference on Disability*	Melbourne, Australia	November 2023
Mpeli	Ethics*	Ethics conference*	Latvia	September 2023

* title to be confirmed.

4.2 Publications

There was a total of 27 Publications from the School of Nursing in 2023.

Author/s	Title of the article	Journal name	Volume and Issue	Impact factor
Jacobs AC	CHALLENGES FACING NURSE EDUCATORS IN THE IMPLEMENTATION OF HIGH-FIDELITY SIMULATION AT A PUBLIC INSTITUTION	<i>African Journal for Physical Activity and Health Sciences (AJPHEs)</i>	-	-
Nyoni CN , van der Merwe A, Botha BS, Fourie C , Botma Y. , Labuschagne MJ & van Wyk R	HEALTH SCIENCES EDUCATOR'S SIMULATION DEBRIEFING PRACTICE NEEDS: A MIXED METHODS STUDY	<i>Journal of Education and Health Promotion</i>	8(1)	-
Marais C, van Jaarsveldt DE & Spies C	LEARNING NEEDS OF CAREGIVERS OF OLDER PERSONS IN RESIDENTIAL CARE FACILITIES IN RURAL SOUTH AFRICA: UNVEILING UNREALISTIC EXPECTATIONS	<i>International Journal of Africa Nursing Sciences</i>	19 (2023)	0.3
Fourie C & Botha BS	SCENARIOS FOR VIRTUAL CLINICAL SIMULATION TO TRAIN NURSING STUDENTS AT A SOUTH AFRICAN UNIVERSITY	<i>Lecture Notes in Networks and Systems</i>	-	0.54
Ntsupa MA, Mpeli MR & Hugo-van Dyk L.	FACTORS INFLUENCING NON-COMPLIANCE WITH STANDARDS FOR MEDICAL MALE CIRCUMCISION IN LESOTHO	<i>Nursing outlook</i>	10(7)	3.3
Sumbane,G, Mothiba TM, Modula, MJ , Mutshatshi TE and Manamela LE	THE MCKINSEY'S 7-S MODEL FRAMEWORK FOR ASSESSMENT OF CHALLENGES FACED BY TEACHERS OF CHILDREN WITH AUTISM	<i>South African Journal of Childhood Education (SAJCE)</i>	12(1)	-

Author/s	Title of the article	Journal name	Volume and Issue	Impact factor
	SPECTRUM DISORDERS IN THE LIMPOPO PROVINCE, SOUTH AFRICA			
Joubert A & Reid M	KNOWLEDGE, SKILLS, AND TRAINING OF COMMUNITY HEALTH WORKERS TO CONTRIBUTE TO INTERPROFESSIONAL EDUCATION: A SCOPING REVIEW	<i>Journal of Interprofessional Care</i>	2023(Feb)	2.6
Maina, P: Reid M, Pienaar M	SELF-MANAGEMENT PRACTICES FOR PREVENTING COMPLICATIONS OF TYPE II DIABETES MELLITUS IN LOW AND MIDDLE-INCOME COUNTRIES: A SCOPING REVIEW	<i>International Journal of Nursing Studies Advances</i>	5 (December 2023)	4.7
Shokane MA, Mogake RS, Caree M	PREPARING FOR IMPLEMENTATION OF FAMILY INTEGRATED NEONATAL CARE BY HEALTH CARE PROVIDERS IN A DISTRICT HOSPITAL OF LIMPOPO	<i>International Journal of Africa Nursing Science</i>	19 (2023)	0.36
Molise NA, van Jaarsveldt DE & Botma Y	CULTURAL BARRIERS AND FACILITATORS FOR TRANSFORMATIVE NURSING CURRICULUM IMPLEMENTATION	<i>International Journal of Africa Nursing Science</i>	18 (2023)	0.36
Botha BS, Hugo-van Dyk L & Nyoni CN	SIMULATING INFECTION PREVENTION AND CONTROL THROUGH VIRTUAL REALITY: A VEHICLE FOR EQUITY, DIVERSITY, AND INCLUSIVITY IN AFRICA	<i>Frontiers in Education</i>	8(2023)	2.6
Shawa M, Masava B, Mutimbe P, Nyoni T, Mokhele K, Shale M, Mukurunge E & Nyoni CN	FIDELITY OF IMPLEMENTING A COMPETENCY-BASED NURSING PROGRAMME DURING THE COVID-19 PANDEMIC: A CASE STUDY.	<i>Nursing Open</i>	10(7)	1.9

Author/s	Title of the article	Journal name	Volume and Issue	Impact factor
Hugo-van Dyk L, Botma Y, Ndhlovu M, and Nyoni C	A CONCEPT ANALYSIS ON THE TRANSFER CLIMATE IN HEALTH SCIENCES EDUCATION.	<i>Heliyon</i>	9(3)	4
Mulu, M.M. and Nyoni, C.N.	STANDARDS FOR EVALUATING THE QUALITY OF UNDERGRADUATE NURSING E-LEARNING PROGRAMME IN LOW- AND MIDDLE-INCOME COUNTRIES: A MODIFIED DELPHI STUDY	<i>BMC Nursing</i>	22(73)	3.18
Chipamaunga S., Nyoni C.N. , Kagawa M.N., Wessels Q., Kafumukache E., Gwini R., Kandawaswika G., Katowa-Mukwato P., Masanganise R., Nyamakura R., Nyawata I., Pretorius L, Dithole K., Marimo C., Mubuuke A.G., Mbalimba S.N., van der Merwe L., and Prozeskly D	RESPONSE TO THE IMPACT OF COVID-19 BY HEALTH PROFESSIONS EDUCATION INSTITUTIONS IN AFRICA: A CASE STUDY ON PREPAREDNESS FOR REMOTE LEARNING AND TEACHING	<i>Smart Learning Environments</i>	10 (31)	4.8
Masava B., Nyoni CN and Botma Y.	STANDARDS FOR SCAFFOLDING IN HEALTH SCIENCES PROGRAMMES: A DELPHI CONSENSUS STUDY.	<i>Journal of Medical Education and Curricular Development</i>	10(1)	2.8
Nyoni CN , Botha R, and Ntsekhe-Mogashoa M	IMPLEMETING VIRTUAL INTERPROFESSIONAL EDUCATION IN AN UNDEGRADUATE MEDICAL PROGRAM: A FEASIBILITY STUDY	<i>Health Professions Education and Research</i>	1 (6)	-
Nyoni CN., Botma Y. & Hugo-van Dyk, L.	DOCTORAL CONTRIBUTION TO NURSING SCIENCE FROM SUB-SAHARA AFRICA: A DOCUMENT REVIEW	<i>Nursing Science Quarterly</i>	2024 (1)	0.8

Author/s	Title of the article	Journal name	Volume and Issue	Impact factor
TS Makhaya, S Lethale, LJ Mogakwe	FACTORS INFLUENCING THE CLINICAL MENTORING OF NURSING STUDENTS AT A HOSPITAL IN THE NORTH WEST PROVINCE	<i>International Journal of Africa Nursing Sciences</i>	19 (2023)	0.36
JM Sebaeng , IM Coetzee-Prinsloo, T Heyns	DO PROFESSIONAL NURSES PRACTICE WHAT THEY PREACH? A QUALITATIVE STUDY ON PROFESSIONAL SOCIALISATION OF STUDENT NURSES IN THE CLINICAL LEARNING ENVIRONMENT	<i>Heliyon</i>	9(8)	4
Bonokoane K., Sebaeng JM. & Moloko-Phiri S	INCORPORATION OF NURSE INITIATED MANAGEMENT OF ANTIRETROVIRAL TREATMENT COURSE WITHIN THE UNDERGRADUATE NURSING PROGRAMME NORTH-WEST PROVINCE	<i>Health SA Gesondheid</i>	13(28)	0.26
Fichardt AE , Janse van Vuuren and Van der Merwe LJ	PSYCHOLOGICAL WELL-BEING, STRESSORS, COPING STRATEGIES, AND SUPPORT OF UNDERGRADUATE HEALTHCARE STUDENTS AMID COVID-19	<i>Health SA Gesondheid</i>	18 (a2340)	0.26
Botma Y & Roets L	NURSE MANAGER RESPONSIBILITIES TO ADDRESS THE DELINEATED INFLUENCES ON THE EXPERIENCES OF HEALTHCARE PROFESSIONALS DURING COVID-19: A QUALITATIVE SYSTEMATIC REVIEW NURSE MANAGERS' ROLE DURING COVID-19	<i>International Journal of Africa Nursing Science</i>	19 (2023)	0.36
Brits C, Botma Y & Heyns T	TWELVE TIPS FOR CREATING ONLINE LEARNING UNITS FOR THE HEALTH PROFESSIONS IN LOW-AND MIDDLE-INCOME	<i>Medical Teacher</i>	Nov (2023)	4.2

Author/s	Title of the article	Journal name	Volume and Issue	Impact factor
	COUNTRIES			
Brewer, F. Mulder M & Botma Y	EVIDENCE-BASED PRACTICE REGARDING LOWER LEG ULCERS: A MAPPING REVIEW.	<i>Wound Healing South Africa</i>	16 (2)	-
Keiller L, Nyoni CN & van Wyk C	A MODEL FOR THE DESIGN OF ONLINE HEALTH PROFESSIONS EDUCATION FACULTY DEVELOPMENT COURSES IN SUB-SAHARAN AFRICA	<i>BMC Medical Education</i>	23 (60)	3.2
Mulu M & Nyoni CN	UNDERGRADUATE E-LEARNING PROGRAMMES IN HEALTH PROFESSIONS: AN INTEGRATIVE REVIEW OF EVALUATION STANDARDS IN LOW- AND MIDDLE-INCOME COUNTRIES.	<i>PLOS one</i>	18 (2)	3.7

The publication record for the School of Nursing remains constant hovering around 27 articles annually which is a similar figure for 2022. The publication per capita of fulltime employed staff is at 1.2 publications per capita.

4.2.2 Books, Books Chapters

[none]

4.3 Internationalisation and Collaborations

Internationalisation and collaborations are at the heart of activities at the School of Nursing. Various projects are underway that reflect partnerships between institutions in Africa and the rest of the world. The table below reflects on the captured international projects understanding that additional partnerships are being developed for 2024.

Institution	Contact person	Focus
<i>Rhizo - Belgium</i>	Programme Director	Undergraduate
<i>Vives - Belgium</i>	Programme Director	Undergraduate
<i>University of Jonkoping Sweden</i>	A Fichardt/ M Reid	Undergraduate
<i>Ulster University, Ireland</i>	M Reid	Research - Health Communication
<i>VIVES University, Kortrijk, Belgium</i>	M Reid	Health communication Community Health Workers
<i>Dedikan Khimathi University of Technology (DeKUT)</i>	M Reid/ C Nyoni /LJ Mogakwe	Research – Undergraduate Research- Post graduate
<i>Finland – Turku University</i>	R Jansen	Research - MEGA project
<i>Africa collaboration: University of Botswana, University of Namibia, Makerere University in Uganda, Cavendish University in Zambia, University of Zambia, the National University of Science and Technology (Zimbabwe), the Midlands State University (Zimbabwe) and the University of Zimbabwe</i>	C Nyoni	Emergency Remote Learning research
<i>AfriVIPE Committee</i>	C Nyoni	Virtual Interprofessional Education Research
<i>Zurich University of Applied Sciences & Other partners</i>	C Nyoni	IPE CAT: Interprofessional Trainers Competences, Assessment and Training Programme
<i>Professional Identity in Nursing (Africa)- University of the Western Cape, University of Pretoria, University of Namibia, University of Botswana, University of Zimbabwe, University of Zambia, Makerere</i>	C Nyoni L Hugo-Van Dyk	Professional Identity in Nursing

<i>University, University of Nairobi, University of Ghana, University of Texas</i>		
<i>Agne-Karll Schulle , Frankfurt am Main, Germany</i>	C Nyoni	Professional identity in nursing
<i>University of KwaZulu Natal, Mzuzu University (Malawi), University of Rwanda, University of Ghana</i>	C Nyoni	knowledge translation in nursing and midwifery
<i>Drexel University University, Philadelphia, USA University of Buea, Cameroon</i>	C Nyoni Y Botma	Standardised patient simulation toolkit development
<i>University of Exeter, United Kingdom</i>	L. Hugo-Van Dyk	Emotional intelligence: a key to change the clinical learning platform
<i>Charite Institute in Berlin Germany</i>	C Nyoni	Interprofessional Point of Care Ultrasound (iPOCUS) in Medical and Nursing professions
<i>University of Namibia, University of Botswana, National University of Lesotho, Catholic University in Tanzania, Makerere University, Moi University, Kwame Nkrumah University of Science and Technology</i>	L Hugo-Van Dyk C Nyoni B Botha Y Botma	Infection prevention control through Virtual reality in Africa: A middle-range theory

4.5 International Committees and Editorial Responsibilities

The School of Nursing staff are involved in various committees nationally and internationally including having editorial responsibilities. The following list reflects the staff and their committees.

Van Jaarsveldt DE

- Provincial Health Priorities Committees at the Free State Province

Hugo- van Dyk L

- Secretary for the Southern African Association Health Educationalists Free State
- Vice- President National Committee Southern African Association of Health Educationalist
- Associate Editor- Curationis

Nyoni CN

- Board Chair: Association for Health Professions Education and Leadership
- Board Chair: Interprofessional.Global
- Member of Board: African Interprofessional Education Network
- Member: World Health Organization Academy Advisory Committee
- Member: Association of Medical Education in Europe Education Advisory Committee
- Associate Editor: African Journal of Health Professions Education
- Associate Editor: BMC Medical Education
- Associate Editor: Health Professions Education and Research
- International Editor: The Asian Pacific Scholar
- Associate Editor: Journal of Equity

4.6 Awards and successes

Staff and students at the School of Nursing were recognised for their hard work at various conferences, and academic events. The following staff and students received recognition.

1. **Hugo- van Dyk L.** Vice Chancellors award for Learning and Teaching (runner up) at the Learning and Teaching conference 2023
2. **Hugo-van Dyk L, Nyoni CN** Williams M and Botha BS Kerneels Nel Medal for the Best Research paper in the Education category 2023
3. Botha BS and **Nyoni CN**, SIMULATION AND VIRTUAL REALITY – WHICH ONE WILL YOU CHOOSE? INNOVATING MY CURRICULUM WITH USE OF ELECTRONIC AND INNOVATION – First place in Category at the Learning and Teaching Conference 2023
4. **Katza T** and **Hugo-van Dyk L** COPING STRATEGIES OF UNDERGRADUATE STUDENTS IN HEALTH SCIENCES: A SCOPING REVIEW- Runner-up junior category at the Faculty Research Forum
5. **Fourie C** and **Botma Y** HIGH-FIDELITY MOULAGE MAKES SIMULATIONS "COME ALIVE"- First place junior category at the Faculty Research Forum
6. **Fourie C** and **Botma Y** EXPLORATORY FACTOR ANALYSIS OF THE MOULAGE AUTHENTICITY RATING SCALE AND PROPOSED ADAPTATIONS- First place poster junior category at the Faculty Research Forum
7. **Masava B, Nyoni CN** and **Botma Y.** USABILITY OF STANDARDS FOR SCAFFOLDING IN A HEALTH SCIENCES PROGRAMME: A FEASIBILITY STUDY- Runner up senior category at the Faculty Research Forum

CONCLUSION

Research activities at the School of Nursing are dynamic and diversifying. Through all the sustained efforts there has been a considerable research output both from non-qualification research and research from postgraduate studies. The output for research is consistent with last years with research output from established researchers and emerging ones. The new niche areas need to be supported in establishing their focus, in developing umbrella research projects and integrating research students. Commendable efforts related to internationalisation of the School of Nursing is noted and strengthening of partnerships needs to be continued.