WALTER SISULU UNIVERSITY

FACULTY OF NATURAL SCIENCES NEWSLETTER: MAY 2025



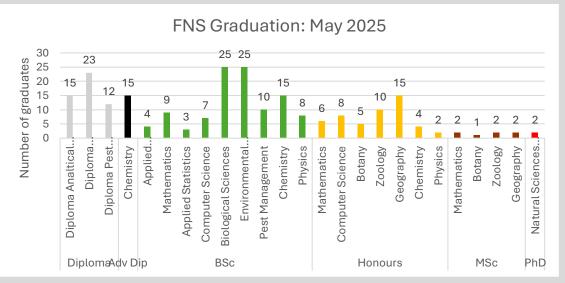
CONTENTS

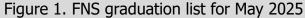
Administration	
Teaching and Learning	
Research	6
Staff improvement	
Community engagement	9
Notices and reminders	11

Administration

FNS graduated 230 students in May 2025 (Figure 1; 2). The faculty plans to improve systems and processes by increasing the efficiency of its academic committees (FNSC) and ensuring that that the University Capacity Development Grant (UCDG) project leaders show evidence of project implementation. From the second semester, FNSC and UCDG reports will be ratified by the Faculty Board and linked to the WSU Directorate reports and updates. The Faculty welcomes Professors Kamande Kuria and Ifeanyi Egbichi as acting chairpersons of Faculty Research Ethics (FNSREC) and Faculty Research and Higher Degrees (FNSRHDC) committees respectively.

The faculty also welcomes new staff who joined us this Semester Mr Victor Adeniji, NGAP lecturer in Computer Science Dr Tanki Motsepa, Lecturer in Mathematics Dr Leonard Chitongo, Lecturer, Environmental Sciences Dr Michael Asemoloye, Lecturer, Botany





Two PhD Graduates Co-supervised by Professors Okello and Okuthe, BES



Figure 2. FNS PhD graduates in May 2025

Teaching and Learning

Staff and students are applauded for tenacity as they continue with their endeavours during challenging times on the NMD campus. The FNS Board resolved to provide guidance and support in order to accomplish duties according to the university calendar (Figures 3). Programme review plan for 2025 is shown in Table 1.

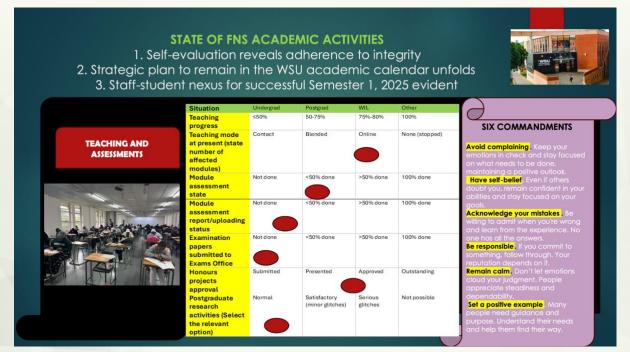


Figure 3. Average state of FNS academic activities in May.

Table 1. Programme reviews for 2025

List of programmes under internal reviews 2025:		Determine the Action	Provide motivation	Final list of programmes for review
Biological and Environmental Science	Hons in Botany	Review	Compliance	Hons in Botany
	BSc Hons in Zoology	Review	Compliance	Hons in Zooology
	Dip & BSc Pest Management	Review	Compliance	Dip & BSc Pest Management
	BSc Biological Science	Review	Compliance	BSc Biological Sciences
Mathematical and Computing Science	BSc in Applied Mathematics	Review in 2026.	QMD to postpone review to 2026.	BSc in Applied Mathematics (pending Senate approval)
Chemical and Physical Science	BSc in Physics and Chemistry Science			
Applied Science	Diploma in Consumer Science in food and Nutrition	Review	Compliance	Diploma in Consumer Science in Food and Nutrition

Research

FNS journal research output for 2024 increased by more than 90% compared to the previous year (Figure 4). Many of our top researchers have already published an average of three co-authored articles in the first semester of 2025. Plans for future research impact include improving researcher H-index and targeting high Impact Factor journals (Figure 5). Postgraduate students who attended the WSU Research Writing Workshop in April responded to a survey by Ms Nofika Benxa. She is keen to see the impact of the workshop (Figure 6)

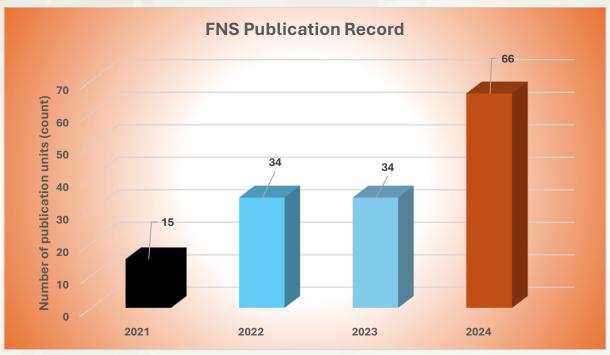
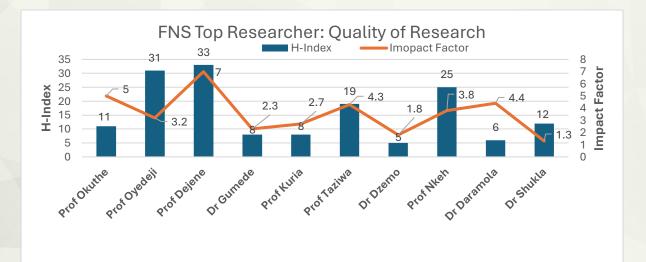
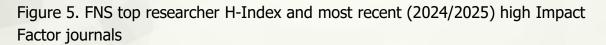
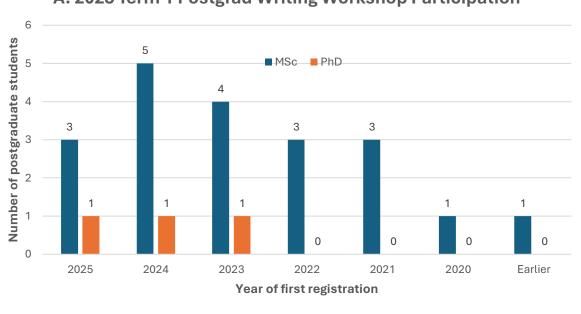


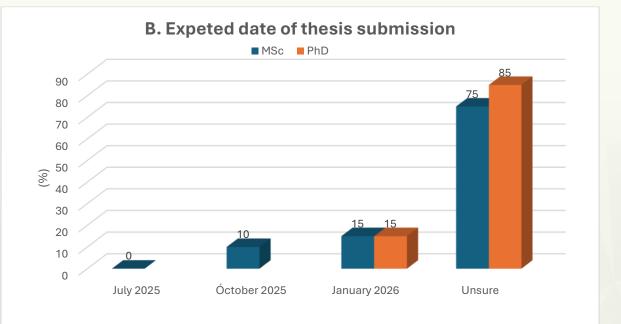
Figure 4. FNS publication record











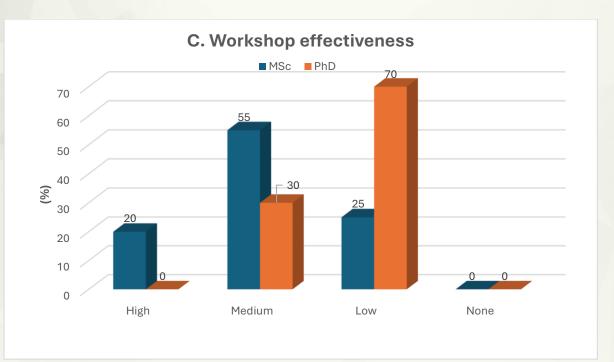


Figure 6. FNS postgraduate participation in the WSU Postgraduate Writing Workshop in April (A) and their responses regarding impact (B and C)

Staff improvement

Faculty staff continue to respond to the call for academic qualifications and skills improvement (Figure 7; 8)

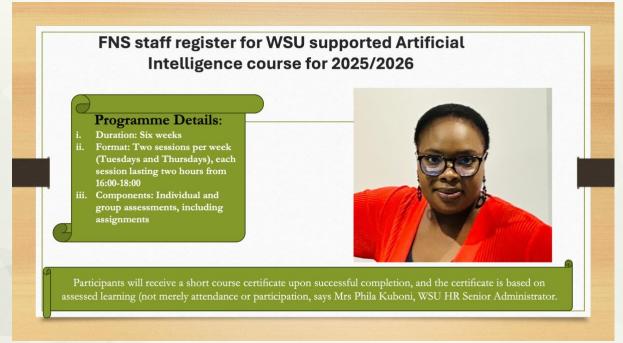


Figure 7. Twenty FNS academic staff registered for AI training as part of some 150 cohort across WSU faculties



Figure 8. Improvement of skills for systems and processes of academic management will benefit from administration staff qualifications.

Community engagement

FNS has many continuing and planned community engagement projects. The highlights for May are (i) Applied Sciences new collaboration with Clicks, which is designed to be a future Short Learning Programme – thanks to Professor Taziwa (HOD, Applied Sciences) (Figure 9), (ii) Research-led understanding of subsistence farming in Baziya by Professor Kuria and his team of researchers is now embraced by locals (Figure 10) and (iii) Okuhle Nkondlwana used her portfolio to respond to a request for WSU participation in youth development programmes in Mthatha (Figure 11). In addition, we note with satisfaction that Professor Nakin's Centre for Global Change has received a new vehicle for research travel purposes.

APPLIED SCIENCES SIGNED AN INDUSTRY AGREEMENT THAT MAY BE A SHORT LEARNING PROGRAMME FOR WSU

The QCTO qualification for Pharmacy Technicians aims to prepare Learners for the role of Pharmacy Technician ("PT") through comprehensive theoretical and practical training.

- Pharmacist's Assistant Basic (Level 4)
- Pharmacist's Assistant Post Basic (Level 5)
- Pharmacy Technician (Level 6)



🤊 IC LICKS 🛟

Figure 9. Applied Sciences sealed an agreement with Clicks

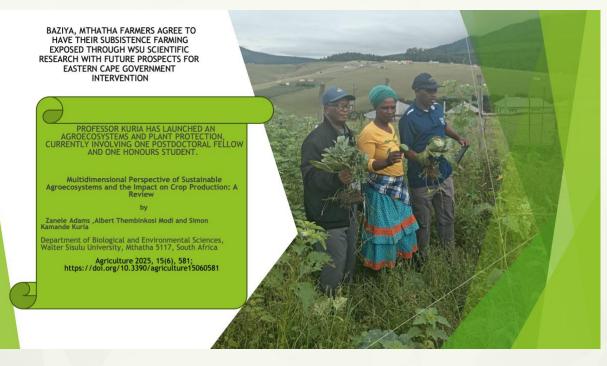


Figure 10. Baziya, Mthatha, research-led community engagement is embraced by local leadership towards a local government intervention.

OKUHLE NKONDWANA LAUNCHED TWO PROGRAMMES IN ONE WEEK



CAREER EXPO FOR FTEN CLASS REPS OBJEVCTIVES 1.Role Clarity 2.Communication Skills 3.Representation & Advocacy 4.Student Voice & Leadership 5.Institutional Knowledge services 6. Problem Solving & Conflict Resolution 7.Networking & Peer Support

Notices and reminders

- i. Ubumbano: Multi-faith prayer, cleansing and restoration
- ii. Launch of the Study Report and Stakeholder Consultation Workshop on HEPS for Curriculum Transformation
- iii. Submission of assessments and examination papers