



**IPPS Australia Exchange
student.**

**Ballina 2024: A Breath of
Fresh Air.**

Nosipho Ndlovu



Horticulture Experience.

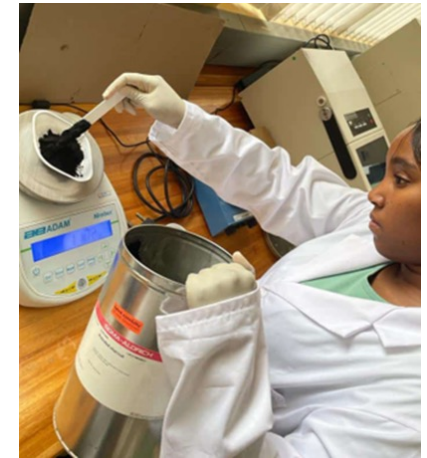
Garden planning and development



Curation of living collection



Research and development



Plant collection and propagation.



The effectiveness of South Africa's National Botanical Gardens in supporting *ex-situ* conservation of threatened plant species.



IPPS 2024 Conference

International Plant Propagators Society Student Exchange Nominee



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International Plant Propagators Society Student Exchange Nominee



What I wanted to achieve:

To network with international professionals in plant production and Horticultural industry



To learn about the various propagation techniques growers use



To explore conservation issues – endangered species in Australia



To explore similarities and differences in our flora and Australia



Most importantly, to learn and have fun!!

Perth – Western Australia





Nursery Visits – Grasstrees Australia

Xanthorrhoea preissii

- Endemic to Australia
- Lifespan of 600 years
- Hardy, grows in nutrient-poor soils

Nursery Visits Plantrite Nursery

- Produce large-scale plants for natural restoration projects
- Plants native species
- Established 30 years ago
- Highly automated



Natural Area Nursery

Producer of native plants for restoration, revegetation, and landscape for Perth and WA regions.



Seed
Collection –
In-situ



Seeds are
cleaned.



Seed smoking

Caversham Wildlife Park



Since 2013, they have been dedicated to meeting animal's needs relating to:

- Animal Nutrition
- Environment
- Health
- Mental well-being.

Kings Park

- Home to Western Australian Botanic Garden.
- Displays over 3,000 species native to Australia
- State war memorial - honors the fallen from all wars in which Australia has participated.
- Flame of Remembrance



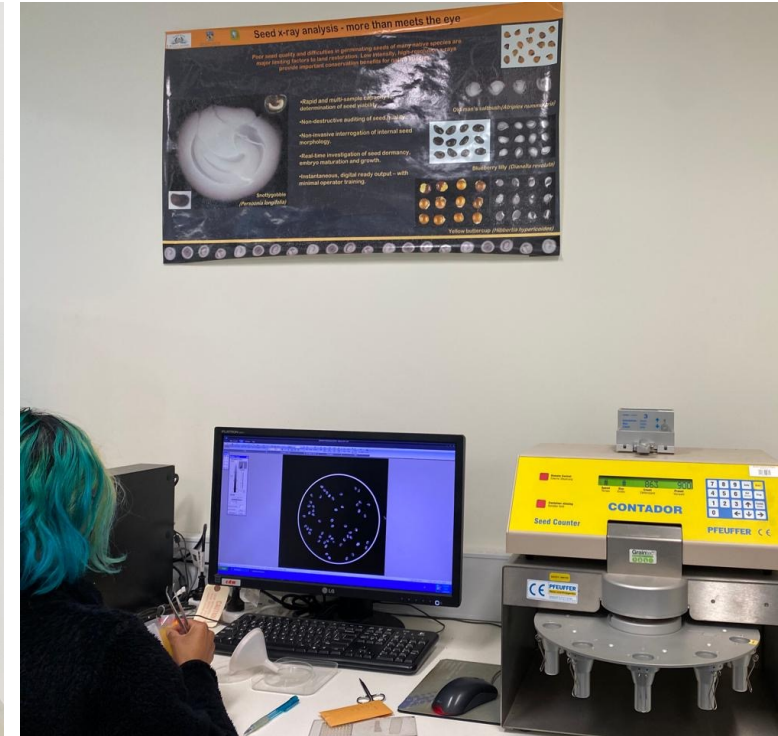
Biodiversity Conservation Centre



Tissue Culture Laboratory



Cryopreservation



Seed X-ray analysis

Seed science
program

Genetics
program

Plant
biotechnology

Storage science

Restoration
ecology

A taste of the sea...



Pre-Conference Tour

- Nursery Visits:
- Manor Hotel Nursery
- Tamborine Nursery
- Mt Nathan Nursery & Propagation
- Crystal Waters Nursery
- Limpinwood Nursery
- Gondwana Nursery



52nd IPPS conference. Ballina



Meeting the 6Packers and setting up the venue for conference proceedings

52nd IPPS conference. Ballina

Conference: A Breath of Fresh Air



N. Ndlovu



Dr Jayeni Bandaralage



Dr Mark Dunphy

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Conference highlights: Networking



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Conference highlights: Native plant species



Banksia spp



Grevillia robusta



Microcitrus australasica

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Conference highlights: Propagation Techniques



Brachycton breeding & Propagation



The use of Perlite as propagation medium.

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Conference highlights: Horticultural trends and machinery



Use of different color pots for easy identification



Automation in Horticulture

Exploring the Goldcoast

Australia Zoo



Exploring the Gold Coast

Movie World and Waterworths Nursery



Acknowledgements

- IPPS Australia region
- IPPS South Africa
- Hosts (Pam Berryman & David Hancock)
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- Kirstenbosch NBGs staff and Horticulturists
- Fellow interns and students

