

## CURRICULUM VITAE

### Biodata:

Names: Ntsamaeeng **Annah**  
Known as: Annah  
Surname: Moteetee (*nee Lemena*)  
Identity number: 6411121088184  
Date of birth: 12 November, 1964  
Age: 48  
Gender: Female  
Marital status: Married  
Nationality: Lesotho (with Permanent Residence Status in South Africa)  
Home languages: Sesotho and English  
Driver's license: Code B  
Own transport: Yes  
Criminal transgressions: None  
Health: Good  
Highest qualification: Ph.D. (Botany)

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Current employer: University of Johannesburg (APK Campus)  
Department: Botany and Plant Biotechnology  
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### Degrees Held:

**B.Sc. (*Biology/Chemistry*):** NATIONAL UNIVERSITY OF LESOTHO (*NUL*) – 1983-1988.

*{Graduated: September, 1988}*

**M.Phil. (Botany):** QUEEN MARY & WESTFIELD COLLEGE (*University of London*) – 1990-1992.

*{Graduated - in absentia: October, 1992}*

Research Topic / Dissertation – Comparative cytological studies in selected species of *Crassula*:

**Ph. D. Botany:** RAND AFRIKAANS UNIVERSITY (*RAU*), Johannesburg, South Africa – 1999-2003.

*{Graduated: April, 2004}*

Research Topic / Dissertation – A taxonomic study of *Melolobium* and related African Genera of the tribe Genisteae (Fabaceae):

Short Courses Attended:

12 August – 12 September, 1996: International course on "Hazardous Waste Management", Nykoping, Sweden.

Awards:

Compton prize for two best articles submitted to the South African Journal of Botany in 2006 (awarded 2008)

Employment Record:

- (1) 2006 – Present: **Senior Lecturer and Herbarium Curator** - Department of Botany and Plant Biotechnology, UNIVERSITY OF JOHANNESBURG
- (2) 2005 – 2006: **Technical Lecturer** - Department of Botany and Plant Biotechnology UNIVERSITY OF JOHANNESBURG
- (3) 1992 – 1998: **Lecturer in Botany** [*lecturing in Plant Anatomy, Taxonomy and Systematics*] - Biology Department, NATIONAL UNIVERSITY OF LESOTHO
- (4) 1988 – 1992: **Teaching Assistant** - Biology Department, NATIONAL UNIVERSITY OF LESOTHO

Research consultancies conducted:

1. October – November, 1997: National Environment Secretariat (NES) project.  
Research project: Quality Assessment of Effluent Water in the Maseru Industrial Area (*Research Team – Mrs. A. Moteetee, Mrs. M. Mthwalo, and Dr. K. Khalema*)

The study was a preliminary survey involving both chemical analyses (*BOD, COD, Nitrates, Phosphates, Chlorides, and heavy metals*) and biological analysis (*bacteriological*) of effluent from various sources (both domestic and industrial) around the urban area of Maseru.

The results of the study were to be used as input in the formulation of the 'Waste Management Guidelines'.

2. August – October, 1997: Maseru City Council and National Environmental Secretariat project.

Research project: Baseline Biological Survey for the proposed Lesotho National Botanical Gardens

The survey focussed on:

- a) **Fauna** (*Mammals, Avifauna, Fish, Insects, and Reptiles*): A survey of fauna found at the proposed site and the perceived environmental impacts on these.
- b) **Flora**: A survey of i) flora present at the proposed site, ii) threatened plant species of Lesotho, and iii) indigenous plants to be planted in the botanical garden; and the perceived environmental impacts on flora.

Administrative duties:

- 1) 1996 – 1998: Head of the Biology Department (National University of Lesotho).
- 2) 1996 – 1998: Alternate country (Lesotho) co-ordinator for Southern African Botanical Diversity Network (SABONET).
- 3) 1997 – 1998: Representative of NUL Faculty of Science – Lesotho National Botanical Gardens Steering Committee (*Committee mandated to establish a new National Botanical Garden in Lesotho*).
- 4) 1996 – 1998: Representative of NUL Faculty of Science – Committee on Waste Management (*Committee mandated to deal with all aspects of waste management in Lesotho*).
- 5) 2008 – Member – South African Biodiversity Information Facility (SABIF) Steering Committee.
- 6) 2011 – Vice-Dean, Faculty of Science, University of Johannesburg

Publications:

1. **A. Moteetee**, J. G. Duckett & A. J. Russell, **1996**. Mycorrhizas in the ferns of Lesotho. In: M. J. Camus, M. Gibby and R. J. Johns (eds.). Pteridology in Perspective, pp 621-631, Royal Botanic Gardens, Kew – United Kingdom.
2. **A. Moteetee** & C. R. Nagendran, **1997**. Comparative anatomical studies in five southern African species of *Crassula*: I. Stem and root. *South African Journal of Botany* 63(2): 90-94
3. **A. Moteetee** & C. R. Nagendran, **1997**. Comparative anatomical studies in five southern African species of *Crassula*: II. Leaf and the occurrence of transfer cells. *South African Journal of Botany* 63(2): 95-99.
4. **A. Moteetee** & B-E. van Wyk, **2001**. The identity of *Melolobium lampolobum* (Papilionoideae). *Bothalia* 31(2): 209-212.
5. **A. Moteetee**, B-E. van Wyk & P.M. Tilney, **2002**. The taxonomic significance of trichome type and distribution in *Melolobium* (Fabaceae). *Bothalia* 32 (1): 85-89.

6. **A. Moteetee. 2003.** *Melolobium*. In G. Germishuizen & N.L. Meyer (eds), Plants of southern Africa: an annotated checklist. *Strelitzia* 14: 533, National Botanical Institute, Pretoria.
7. **A. Moteetee & B-E. van Wyk. 2006.** A taxonomic revision of the genus *Melolobium*. *South African Journal of Botany* 72: 51-98.
8. **A. Moteetee & B-E. van Wyk. 2006.** Sesotho names for edible plants (exotic and indigenous). *Bothalia* 36(2):25-32.
9. **A. Moteetee & B-E. van Wyk. 2006.** A revision of the genus *Bolusafra* (Phaseoleae, Fabaceae). *South African Journal of Botany* 72: 604-608.
10. **A. Moteetee & B-E. van Wyk. 2007.** The concept of '*Musa-pelo* and the medicinal use of shrubby legumes (Fabaceae) in Lesotho. *Bothalia* 37(1); 75-77.
11. **A. Moteetee & B-E. van Wyk. 2008.** A synopsis of Middle-Eastern and Asian species of *Argyrolobium* (Genisteae, Fabaceae). *South African Journal of Botany* 74: 10-24.
12. M.M. le Roux, B-E. van Wyk, A.N. Moteetee, & P.M. Tilney. 2009. An evaluation of molecular and anatomical characters in the genus *Crotalaria*. *South African Journal of Botany* 75 (2): 410
13. M.E. Daemane, B-E. van Wyk & **A. Moteetee**. 2010. Checklist of ferns and seed plants of the Golden Gate Highlands National Park, South Africa. *Bothalia* 40 (2): 175-189.
14. M. Cynthia Motsi, **A. Moteetee**, A.J. Beaumont, B.L. Rye, V. Savolainen & M. van der Bank. **2010.** The generic delimitation of *Pimelea* and *Thecanthes* (Thymelaeaceae): evidence from plastid and nuclear ribosomal sequence data. *Australian Systematic Botany* 23: 270-284.
15. M.M. le Roux, B-E van Wyk, J.S. Boatwright, P.M. Tilney & **A.N. Moteetee** **2010.** The taxonomic value of fruit wall structure in the genus *Crotalaria* (Fabaceae, tribe Crotalarieae) *South African Journal of Botany* 76 (2): 397.
16. **A. Moteetee & B-E. van Wyk.** 2011. The medical ethnobotany of Lesotho. *Bothalia* 41 (1): 209-228.
17. **A. Moteetee & B-E. van Wyk.** 2011. Taxonomic notes on the genus *Otoptera* (Phaseoleae, Fabaceae) in southern Africa. *South African Journal of Botany* 77: 473-477.

18. **A. Moteetee** & Van Wyk, B.-E. 2012. A revision of the genus *Dolichos* (Fabaceae, Papilionoideae, Phaseoleae) in South Africa (including Lesotho and Swaziland). *South African Journal of Botany* 78: 174-194.
19. **A. Moteetee** & B.-E. van Wyk. 2012. A revision of the genus *Sphenostylis* (Phaseoleae, Fabaceae) in southern Africa. *Bothalia* 42 (1): 1-6.
20. **A. Moteetee** & B.-E. van Wyk. 2012. *Ophrestia* (Phaseoleae, Fabaceae) species in southern Africa. *Bothalia* 42(2): 187-190.
21. **A. Moteetee**, J.S. Boatwright & T.P. Jaka. 2012. Taxonomic notes on *Rhynchosia* section *Cyanospermum* (Phaseoleae, Fabaceae) in southern Africa. *South African Journal of Botany* 81: 121-127.

Conference Attendance:

1. Pteridophyte Symposium, 1995, Kew Gardens, London.  
*Paper presented:* "Mycorrhizas in the ferns of Lesotho".
2. Fifth International Botanic Gardens Conservation Congress, 1998, National Botanic Institute, Kirstenbosch, Cape Town.
3. 26<sup>th</sup> Annual Congress of the South African Association of Botanists, January, 2000, Potchefstroom University, Potchefstroom.  
*Paper presented:* "The circumscription and generic relationships of the genus *Melolobium* (Fabaceae, Genisteae)".
4. 27<sup>th</sup> Annual Congress of the South African Association of Botanists, January, 2001, Rand Afrikaans University, Johannesburg.  
*Paper presented:* "The taxonomic significance of trichome type and distribution in *Melolobium*".
5. 28<sup>th</sup> Annual Congress of the South African Association of Botanists, January, 2002, Rhodes University, Grahamstown.  
*Paper presented:* "Phylogenetic relationships in *Melolobium* (Fabaceae)".
6. 29<sup>th</sup> Annual Congress of the South African Association of Botanists, January, 2003, University of Pretoria and National Botanic Institute, Pretoria.  
*Paper presented:* "Taxonomic relationships between African genera of the tribe Genisteae (Fabaceae)".
7. Indigenous Plant Use Forum (IPUF), June, 2005, Rhodes University, Grahamstown.  
*Paper presented:* "The concept of '*Musa-pelo* in Lesotho traditional medicine"
8. 32<sup>nd</sup> Annual Congress of the South African Association of Botanists, January, 2006, Nelson Mandela Metropolitan University, Port Elizabeth.  
*Paper presented:* "A review of the taxonomy of the genus *Argyrolobium* (Fabaceae)"

9. Indigenous Plant Use Forum (IPUF), July, 2006, University of Botswana, Gaborone, Botswana.  
*Paper presented:* "A review of the ethnobotany of Lesotho"
10. 33<sup>rd</sup> Annual Congress of the South African Association of Botanists, January, 2007, University of Cape Town, Cape Town.  
*Paper presented:* "A taxonomic revision of the genus *Millettia* in South Africa"
11. Indigenous Plant Use Forum (IPUF), July, 2007, University of Johannesburg, Johannesburg.
12. Indigenous Plant Use Forum (IPUF), July, 2009, ARC Infruitec-Nietvoorbij, Stellenbosch.  
*Paper presented:* "A broad review of traditional medicine in Lesotho"
13. 36<sup>th</sup> Annual Congress of the South African Association of Botanists, January, 2010, North-West University, Potchefstroom.  
*Paper presented:* "A revision of the genus *Dolichos* (Papilionoideae, Phaseoleae) in South Africa"
14. V International Legume Conference, August, 2010, Pontificia Universidad Católica Argentina, Buenos Aires, Argentina.  
*Paper presented:* "Floristic analysis of papilionoid legumes of southern Africa"
15. XVII International Botanical Congress, July, 2011, Melbourne Congress and Exhibition Centre, Melbourne, Australia.  
*Paper presented:* "A review of Sub-Saharan African Phaseoleae (Fabaceae)"
16. 6<sup>th</sup> International Legume Conference, January, 2013, Johannesburg, South Africa.  
*Paper presented:* "A review of papilionoid legume flora in Sub-Saharan Africa"
17. 6<sup>th</sup> International Legume Conference, January, 2013, Johannesburg, South Africa,  
*Paper presented:* "Phylogenetic studies of the type section of the genus *Rhynchosia* (Phaseoleae, Fabaceae)" (Co-Author)
18. 6<sup>th</sup> International Legume Conference, January, 2013, Johannesburg, South Africa,  
*Paper presented:* "A revision of *Rhynchosia* sect. *Arcyphyllum*, *Chrysoscias*, *Cyanospermum* and *Polytropia* (Phaseoleae, Fabaceae)" (Co-Author)

#### Research activities:

1. Systematics and taxonomic studies of the African Legumes. This work is being conducted in collaboration with Professor B-E. van Wyk and Dr. J.S. Boatwright, the aim of the research is to revise all the under-studied African (with special reference to southern Africa) genera of the family Fabaceae. Currently the main focus is on the tribe Phaseoleae, with particular attention to the genus *Rhynchosia* which is very well represented in southern Africa.

Revisions of a number of genera in this tribe (*Bolusafra*, *Dolichos*, *Ophrestia*, *Otoptera* and *Sphenostylis*) have been published.

2. Ethnobotany of southern African plants. The emphasis has been on the ethno-medicine of Lesotho, the intention is to expand the study to rest of southern Africa, with particular reference to leguminous plants.

#### Service to the Scientific Community

- 1) External Examiner: University of Zululand (2010-2012)
- 2) Reviewer for the South African Journal of Botany, Flowering Plants of southern Africa, African Journal of Biotechnology.
- 3) Examined several Post-graduate theses : University of Fort Hare

#### Previous Students:

1. Co-supervisor: MSc Research Project  
Ledile Mankga, 2010 - 2012. Barcoding of South African medicinal plants. Graduated May, 2013.
2. Co-supervisor: PhD Research Project  
Marianne le Roux, 2008 - 2011. Towards a molecular phylogeny for the genus *Crotalaria* (Fabaceae, Crotalariaeae) - Graduated May, 2012.

#### Current Students:

3. Supervisor: MSc Research Projects:
  - i) Thulisile P. Jaka, 2012. A taxonomic revision of *Rhynchosia* sections: *Chrysoscias*, *Polytropia*, *Arcyphyllum* and *Cyanospermum* (Phaseoleae, Fabaceae).
  - ii) Tlou S. Manyelo, 2012. Phylogenetic studies in *Rhynchosia* section *Eurhynchosia* (Phaseoleae, Fabaceae).
  - iii) Lerato Kose, 2013. Ethnobotany and Taxonomy of selected medicinal plants of Lesotho.