

## SEMENYA SEBUA SILAS

Born: 1986/12/19

Contacts:

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### BRIEF PROFILE

S.S.S can work efficiently and effectively under pressure; independently, as both a team player and leader. He's research niches are wide ranging and include amongst the others environmental management/conservation, and ethnobotany with particular interest in medicinal and food plants. He reviewed over 50 manuscripts on behalf of various international journals, and several book chapters.

### EDUCATION

Year	Degree/certificate
❖ (current)	Doctor of science in Botany (University of Limpopo, South Africa)
❖ 2012	Master of Science in Botany (University of Limpopo, South Africa)
❖ 2007	Honours in Environmental Management (University of Venda, South Africa)
❖ 2014	Certificate in Introductory to project management for teams (The Hub, South Africa)
❖ 2014	project hub, South Africa) Certificate in Life skills (Alusani skills and training network, South Africa)
❖ 2011	Certificate in computer literacy (University of Limpopo, South Africa)
❖ 2011	Post graduate Certificate in research (University of Limpopo, South Africa)
❖ 2006	Certificate in conservation (Lapalala wilderness school, South Africa)
❖ 2004	Matric certificate (Nare High School, South Africa)

## SELECTED PUBLICATIONS

- ❖ **Semenya, S.**, Potgieter, M. and Erasmus, L. 2012. Ethnobotanical survey of medicinal plants used by Bapedi traditional healers to treat diabetes mellitus in the Limpopo Province, South Africa. *Journal of Ethnopharmacology* **141**: 440-445.
- ❖ **Semenya, S.S.**, Tshisikhawe, M.J. and Potgieter, M.J. 2012. Invasive alien plant species: A case study of their use in the Thulamela Local Municipality, Limpopo Province, South Africa. *Scientific Research Essays* **7**: 2363-2369.
- ❖ **Semenya, S.S.** and Maroyi, A. 2012. Medicinal plants used by Bapedi traditional healers to treat diarrhoea in the Limpopo Province, South Africa. *Journal of Ethnopharmacology* **144**: 395-401.
- ❖ **Semenya, S.S.**, Potgieter, M.J., Tshisikhawe, M.P., Shava, S. and Maroyi, A. 2012. Medicinal utilization of exotic plants by Bapedi traditional healers to treat human ailments in Limpopo Province, South Africa. *Journal of Ethnopharmacology* **144**: 646-655.
- ❖ Erasmus, L.J.C., Potgieter, M.J., **Semenya, S.S.** and Lennox, S.L. 2012. Phytomedicine versus gonorrhoea: Bapedi experience. *African Journal of Traditional, Complementary and Alternative Medicine* **9**: 591-598.
- ❖ Rasethe, M.T., **Semenya, S.S.**, Potgieter, M.J. and Maroyi, A. 2013. The utilization and management of plant resource in rural areas of the Limpopo province, South Africa. *Journal of Ethnobiology and Ethnomedicine* 2013, **9**:27 doi:10.1186/1746-4269-9-27.
- ❖ **Semenya, S.S.** and Maroyi, A. 2013. Medicinal plants used for the treatment of tuberculosis by Bapedi traditional healers in the Limpopo Province, South Africa. *African Journal of Traditional, Complementary and Alternative Medicine* **10**: 316-323.
- ❖ **Semenya, S.**, Maroyi, A., Potgieter, M.J. and Erasmus, L.J.C. 2013. Herbal medicines used by the Bapedi traditional healers to treat reproductive ailments in the Limpopo Province, South Africa. *African Journal of Traditional, Complementary and Alternative Medicine* **10**: 331-339.
- ❖ **Semenya, S.S.**, Potgieter, M.J. and Erasmus, L.J.C. 2013. Bapedi phytomedicine and their use in the treatment of sexually transmitted infections in Limpopo Province, South Africa. *African Journal of Pharmacy and Pharmacology* **7**: 250-262.
- ❖ **Semenya, S.S.** and Potgieter M.J. 2013. Ethnobotanical survey of medicinal plants used by Bapedi traditional healers to treat erectile dysfunction in the Limpopo Province, South Africa. *Journal of Medicinal Plant Research* **7**: 349-357.

- ❖ **Semenya, S.**, Potgieter, M.J. and Erasmus, L.J.C. 2013. Ethnobotanical survey of medicinal plants used by Bapedi traditional healers to manage HIV/AIDS in the Limpopo Province, South Africa. *Journal of Medicinal Plant Research* **7**: 434-441.
- ❖ **Semenya, S.S.**, Potgieter, M.J. and Erasmus, L.J.C. 2013. Indigenous species used by Bapedi traditional healers to treat sexually transmitted diseases; their utilization, conservation status, source and harvesting in the Limpopo Province, South Africa. *South African Journal of Botany* **87**: 66-75.
- ❖ **Semenya, S.S.**, Potgieter, M.J. and Tshisikhawe, M.P. 2013. Use, conservation and present availability status of ethnomedicinal plants of Matebele-Village in the Limpopo Province, South Africa. *African Journal of Biotechnology* **12**: 2392-2405.
- ❖ **Semenya, S.** and Potgieter, M.J. 2013. *Catharanthus roseus* (L.) G. Don: Extraordinary Bapedi medicinal herb for gonorrhoea. *Journal of Medicinal Plant Research* **7**: 1434-1438.
- ❖ **Semenya, S.S.**, Potgieter, M.J. and Erasmus, L.J.C. 2013. Exotic and indigenous problem plants species used, by the Bapedi, to treat sexually transmitted infections in Limpopo Province, South Africa *African Health Science* **13**: 320-326.
- ❖ **Semenya, S.S.** and Potgieter, M.J. 2013. Sexually transmitted infections and their diagnoses: Bapedi experience *African Health Science* **13**:1041-1047.
- ❖ **Semenya, S.S.** and Potgieter M.J. 2014. Bapedi traditional healers in the Limpopo Province, South Africa: A socio-cultural profile. *Journal of Ethnobiology and Ethnomedicine* 2014 **10**:4. doi:10.1186/1746-4269-10-4.
- ❖ **Semenya, S.S.** and Potgieter M.J. 2014. Medicinal plants cultivated in Bapedi traditional healer's homegardens, Limpopo Province, South Africa. *African Journal of Traditional, Complementary and Alternative Medicine* **11**:126-132.
- ❖ **Semenya, S.S.** and Potgieter M.J. 2015. *Kirkia wilmsii*: A Bapedi treatment for hypertension. *South African Journal of Botany* **100**: 228-232.
- ❖ Erasmus, L.J.C., Potgieter, M.J. and **Semenya, S.S.** 2015. Erectile dysfunction: Definition and *material medica* of Bapedi Traditional healers in Limpopo Province, South Africa. *Journal of Medicinal Plant Research* **9**: 71-77.

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#### SELECTED PROVINCIAL AND NATIONAL CONFERENCE PROCEEDINGS (Presentations)

- ❖ **Semenya, S.S.**, Erasmus L.J.C. and Potgieter, M.J. 2012. *Catharanthus roseus*: Extraordinary Bapedi medicinal herb for gonorrhoea. In Proceedings of the 38<sup>th</sup> Annual Conference of the South African Association of Botanists (SAAB). Held on 15–18

January 2012 at the University of Pretoria, Pretoria (Poster). **Abstract published in the *South African Journal of Botany* 79 (2012), pp. 238-238.**

- ❖ **Semenya, S.S** and Potgieter M.J. 2010. The utilization and the management of threatened species in the Limpopo Province. In Proceedings of the 2<sup>nd</sup> Annual Conference of the Limpopo Conservation of threatened species club. Held on 15 May 2012 at the University of Limpopo, Mankweng (Oral presentation)
- ❖ Mathibela, K.M., **Semenya, S.S.**, Potgieter, M.J., Egan, B.A., Du Plessis, H.J. and Erasmus, L.J.C. 2012. Bapedi traditional healers in the Limpopo Province, South Africa. In Proceedings of the 38<sup>th</sup> Annual Conference of the South African Association of Botanists (SAAB). Held on 15–18 January 2012 at the University of Pretoria, Pretoria (Oral presentation). **Abstract published in the *South African Journal of Botany* 79 (2012), pp. 198-198.**
- ❖ **Semenya, S.S.**, Potgieter, M.J. and Erasmus, L.J.C. 2012. Species used by Bapedi traditional healers for the treatment of sexually transmitted diseases, Limpopo Province. In Proceedings of the 38<sup>th</sup> Annual Conference of the South African Association of Botanists (SAAB). Held on 15–18 January 2012 at the University of Pretoria, Pretoria (Oral presentation). **Abstract published in the *South African Journal of Botany* 79 (2012), pp. 210-211.**
- ❖ **Semenya, S.S.**, Erasmus L.J.C. and Potgieter, M.J. 2010. The treatment of various disorders by Bapedi traditional healers in the Limpopo Province. In Proceedings of the Annual Conference of the Limpopo Department of Health. Quality in practice and evaluation through research. Held on 21 January 2011 at Bolivia Lodge, Polokwane (Oral presentation).
- ❖ Erasmus, L.J.C., Potgieter, M.J. and **Semenya, S.S.** 2011. Phytotherapy employed by Bapedi traditional healers in the treatment of hypertension. In Proceedings of the 39<sup>th</sup> PSSA (Physiology Society of South Africa) conference Cape Town. Held on 1-8 December 2011 at the University of the Western Cape (Poster). **Abstract published in the *Scientific Research Essays* 20 (2011), pp. 65-65.**
- ❖ Erasmus, L.J.C., Potgieter, M.J. and **Semenya, S.S.** 2011. Medicinal Plants used by the Bapedi to treat gonorrhoea. In Proceedings of the 39<sup>th</sup> PSSA (Physiology Society of South Africa) conference Cape Town. Held on 1-8 December 2011 at the University of the Western Cape (Poster). **Abstract published in the *Scientific Research Essays* 20 (2011), pp. 65-66.**

## PROFESSIONAL TALKS (national television and radio)

Topic	Client	Year
❖ Advantage of home-gardens to wild plants	SABC, TV: Programme; living land (televised on SABC2 @ 11h30-12h00)	6/02/2012
❖ Biodiversity and climate change.	Born free media, TV: Programme; play your part (televised on Etv @ 11h30-12h00)	23/10/2012
❖ Traditional medicine: has it been commercialized?	SABC, Radio (Thobela f.m): Programme; batho le ditokelo (live on air from 21h30–22h00)	12/09/2012

## PROFESSIONAL MEMBERSHIPS

- ❖ South African Association of Botanist (SAAB)
- ❖ South African Council for Natural Scientific Professions (SACNAPS)

## SELECTED PROJECTS COMPLETED

Project	Client
❖ Environmental impact assessment	Limelight Env. & Engineering Chamber
❖ Biodiv. mapping & ident of opportunities and risk	Lafarge Quarry
❖ Nature conservation area planner	Ngwaaga'a moloto ecotourism village

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## SELECTED EMPLOYMENT HISTORY

Institution	Position	Summarised duties	Year
❖ Dept. Eco. Env and Tourism	Env. Officer (apprentice)	Reserve and wetland management	2008-2009
❖ University of Limpopo (Science centre)	Researcher	Conduct research, analyses findings, write reports etc..	2012-date
❖ Journal of Experimental Biology and Agricultural Sciences ( <b>JEBAS</b> )	Editor-in-chief	Editorial-responsibility of the journal	2013-date

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## REFERENCES

Name	Position	Institution	Contacts
❖ Prof M.J Potgieter	Project Manager	University of Limpopo (Science Centre)	015 2682224
❖ Prof P. Tshisikhawe	Researcher /senior lecture	University of Venda (Botany Dept)	0827488599

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With Respect and All kindness

S.S Semanya (Editor-In-Chief: JEBAS)