

CURRICULUM VITAE: Lyndy Joy McGaw

Personal Information

Full name: Lyndy Joy McGaw (married surname Arnot)

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Education

May 1998 – June 2001 University of Natal, Pietermaritzburg, South Africa

PhD – Botany

Awarded National Research Foundation (NRF) Grantholder Bursary 1998 – 1999 and NRF Prestigious PhD Scholarship 2000 - 2001

Jan 1995 – Dec 1995 University of Natal, Pietermaritzburg, South Africa

BSc (Hons) – Molecular Biology (*cum laude*)

Awarded Foundation for Research Development Grantholder Bursary 1995

Jan 1992 – Dec 1994 University of Natal, Pietermaritzburg, South Africa

BSc – Molecular Biology and Genetics (*summa cum laude*)

Awarded Foundation for Research Development Scholarship Award 1994

Employment

Jan 2010 – present

University of Pretoria, Dept of Paraclinical Sciences
Private Bag X04 Onderstepoort 0110

Senior Lecturer and Deputy Leader, Phytomedicine Programme

Supervisor: Prof J. N. Eloff (Leader of Phytomedicine Programme)

Duties and Achievements:

Research investigating *in vitro* biological activity and toxicity of indigenous South African plants with ethnoveterinary and other applications, concentrating on cell culture and microbiology techniques.

Second in charge of research group comprising several postgraduate MSc and PhD students (www.up.ac.za/phyto).

Supervision of postgraduate students, including research guidance, training and lecturing. To date, four MSc (all with distinction) and eight PhD students under my supervision or co-supervision have successfully graduated.

Reviewer of scientific manuscripts for publication in 30 international and South African scientific journals.

Reviewer of funding applications submitted to the National Research Foundation (NRF), the Cancer Association of South Africa (CANSA), the Maize Trust and the Medical Research Council (MRC).
Reviewer of rating evaluations submitted to the NRF.

Examiner of MSc and PhD theses from other universities, including University of the Witwatersrand, University of KwaZulu-Natal, Tshwane University of Technology and University of Limpopo

External examiner for Biochemistry Honours course (University of Limpopo)

External examiner for Biochemistry III courses (University of South Africa)
External examiner for Botany III courses (University of South Africa)
Member of the Editorial Board of the South African Journal of Botany (since 2007).
Member of the Editorial Board of BMC Complementary and Alternative Medicine (since 2012).
Awarded a C2-rating by the National Research Foundation (NRF) in October 2011.
H-index of 16 (www.scopus.com).
NRF Incentive Funding for Rated Researchers and University of Pretoria “Glue Funding” awarded from 2009 to 2014 to total value of R240 000.
Funding awarded for 2012 and 2013 (R90 000) from University of Pretoria Institutional Research Theme (IRT): Biotechnology and the Management of Zoonotic Diseases.
Funding awarded from Medical Research Council from 2012-2014 to total value of R450 000.
Invited to become one of 30 founding members of South African Young Academy of Science (SAYAS).
Listed as one of top 31 cited African researchers in Pharmacology and Toxicology by Thomson Reuters in 2013.

Feb 2009 – Dec 2009 University of Adelaide, Plant Genomics Centre, Faculty of
Agriculture, Food and Wine, Waite Campus, South Australia

Research Officer, Molecular Marker Laboratory

Duties involved detecting markers in various genotypes of cereal populations using molecular biology techniques including PCR, restriction enzyme digests and gel electrophoresis, and using gene mapping software to map genes of interest.

Extraordinary Lecturer, Department of Paraclinical Sciences, Faculty of Veterinary Science, University of Pretoria (appointed from January 2009 to December 2012).

Jan 2004 – Dec 2008 University of Pretoria, Dept of Paraclinical Sciences
Private Bag X04 Onderstepoort 0110

Postdoctoral Research Fellow and Deputy Leader, Phytomedicine Programme

Supervisor: Prof J. N. Eloff (Leader of Phytomedicine Programme)

Duties:

Research investigating biological activity and toxicity of indigenous South African plants with ethnoveterinary and other applications, *in vitro* and *in vivo*.

Second in charge of research group comprising several postgraduate MSc and PhD students (www.up.ac.za/phyto).

Supervision of postgraduate students, including research guidance, training and lecturing.

Contract work: liaised with clients regarding contract scientific tasks, and report preparation.

Reviewer of scientific manuscripts for publication in 13 international and South African scientific journals. Reviewer of funding applications and rating evaluations submitted to the National Research Foundation (NRF).

Evaluator of MSc and PhD theses from other South African universities.

Member of the Laboratory Advisory Committee at the University of Pretoria, Faculty of Veterinary Science.

Achievements:

Awarded University of Pretoria Postdoctoral Fellowship 2004, Claude Leon Foundation Postdoctoral Fellowship 2005-2007, University of Pretoria Research Fellowship 2008.

Co-supervised two MSc (with distinction) and two PhD students to completion of degrees.

Member of organising committee of WOCMAP (World Conference on Medicinal and Aromatic Plants, November 2008).

Co-managed a project on African Medicinal Plant Standards (partly funded by the EU) on the biological activity, toxicity and quality control of the 50 most important medicinal plants in Africa.

Appointed International Consultant to ICS-UNIDO (International Centre for Sciences and High Technology, United Nations Industrial Development Organization) and organised a workshop on medicinal plant evaluation for a group of scientists from 11 African countries in June 2008.

Awarded a Y2-rating by the National Research Foundation (NRF) in 2006.

Writing grant applications for funding was rewarded by receiving an NRF-Thuthuka (Women in Research) Programme Award, funding research running costs and an MSc bursary for 2007 (total value R102 000), and renewed for 2008 (total value R144 000).

Awarded “Best Paper Presentation” (Indigenous Plant Use Forum, Clanwilliam 2004).

Finalist in 2005 Department of Science and Technology “Women in Science” awards (category Best Emerging Young Woman Scientist).

Awarded third place in “Young Scientist” presentations, Faculty Day 2007, Faculty of Veterinary Science, University of Pretoria.

Won one of five “Best Poster Presentation” awards at the PharmaTox conference, Buffelspoort 2007.

Awarded Travel Grants from different conference organizing committees to attend six international conferences, and the “Risk Assessment Summer School” in Germany in 2007.

Appointed Extraordinary Lecturer at the University of Pretoria (2009-2011) to continue collaborations, and co-supervision and training of postgraduate students.

Awarded “Young Researcher of the Year (non-teaching staff)” prize at Faculty Day 2009, Faculty of Veterinary Science, University of Pretoria.

Aug 2002 – Dec 2003

CereStem Ltd

London, UK

Research Associate (laboratory based at King’s College London, Department of Pharmacy, 150 Stamford St, London SE1 9NN)

Duties:

Research as part of small team to isolate and identify biologically active proteins with mitogenic activity on neural stem cells.

Part-time lecturing of Pharmacognosy course to MPharm III students at King’s College London

Achievements:

Contribution to research incorporated into a patent on bioactive proteins.

Feb 2002 – July 2002

University of Pretoria, Department of Paraclinical Sciences

Postdoctoral Research Fellow

Supervisor: Prof J. N. Eloff

Duties:

Investigation of biological activity in South African ethnoveterinary plants.

Teaching practical skills and theory to MSc and PhD students.

Achievements:

Awarded University of Pretoria Postdoctoral Scholarship.

Aug 2001 – Dec 2001

King’s College London, Department of Pharmacy

150 Stamford St, London SE1 9NN

Postdoctoral Research Associate

Supervisors: Prof P. J. Houghton, Dr S. L. Minger, Dr S. Bansal

Duties:

Investigation of the effect of plant extracts on stem cell development.

Achievements:

Results of my research together with that of others in the team contributed to obtaining further funding for the project.

April 1996 – April 1998

Working and travelling (UK and Europe) with 2-year work and travel visa.

Other courses and qualifications

LLB, University of South Africa (UNISA) [part-time by correspondence while working, completed in 2007 within minimum time of 4 years] – General law (subjects included Patent Law, Environmental Law, Medical Law, Forensic Medicine)

Cape Wine Academy Preliminary (1999) and Certificate (2000) courses attended

Certificate Course in the Basics of Business (2002, University of South Africa)

MALDI-TOF Mass Spectrometry course (2002, King's College London)

Risk Assessment Summer School (8-16 September 2007, Germany, organized by IUTOX)

Memberships and committees

Society for Medicinal Plant and Natural Product Research (GA), Germany

South African Association of Botanists (SAAB)

Toxicological Society of South Africa (TOXSA): Member of Executive Council 2006-Dec 2008

Indigenous Plant Use Forum (IPUF), South Africa

Laboratory Advisory Committee Member (Faculty of Veterinary Science, UP) 2006-Dec 2008

Publications and Conferences

I have published, or have in press, 49 scientific research articles in international and South African peer-reviewed journals, and 25 abstracts in conference proceedings.

I have also co-authored 9 book chapters and been a scientific contributor to two patents.

I have been principal author or co-author of 68 national and international conference research paper or poster presentations.

A list of publications is attached in the Appendix.

Appendix

List of publications and conference presentations

Articles

1. McGaw, L.J., Jäger, A.K. and van Staden, J. 1997. Prostaglandin synthesis inhibitory activity in Zulu, Xhosa and Sotho medicinal plants. *Phytotherapy Research*. 11, 113-117.
2. McGaw, L.J., Jäger, A.K. and van Staden, J. 2000. Antibacterial, anthelmintic and antiamebic activity in South African medicinal plants. *Journal of Ethnopharmacology*. 72, 247-263.
3. McGaw, L.J., Rabe, T., Sparg, S.G., Jäger, A.K., Eloff, J.N. and van Staden, J. 2001. An investigation on the biological activity of *Combretum* species. *Journal of Ethnopharmacology*. 75, 45-50.
4. Taylor, J.L.S., Rabe, T., McGaw, L.J., Jäger, A.K. and van Staden, J. 2001. Towards the scientific validation of traditional medicinal plants. *Plant Growth Regulation*. 34, 23-37.
5. McGaw, L.J., Jäger, A.K. and van Staden, J. 2002. Isolation of antibacterial fatty acids from *Schotia brachypetala*. *Fitoterapia*. 73, 431-433.
6. McGaw, L.J., Jäger, A.K. and van Staden, J. 2002. Variation in antibacterial activity of *Schotia* species. *South African Journal of Botany*. 68, 41-46.
7. McGaw, L.J., Jäger, A.K. and van Staden, J. 2002. Isolation of β -asarone, an antibacterial and anthelmintic compound, from *Acorus calamus* in South Africa. *South African Journal of Botany*. 68, 31-35.
8. Light, M.E., McGaw, L.J., Rabe, T., Sparg, S.G., Taylor, M.B., Erasmus, D.G., Jäger, A.K. and van Staden, J. 2002. Investigation of the biological activities of *Siphonochilus aethiopicus* and the effect of seasonal senescence. *South African Journal of Botany*. 68, 55-61.
9. Light, M.E., McGaw, L.J., Sparg, S.G., Jäger, A.K. and van Staden, J. 2002. Screening of *Cenchrus ciliaris* L. for biological activity. *South African Journal of Botany*. 68, 411-413.
10. McGaw, L.J., Jäger, A.K. and van Staden, J. 2003. Antibacterial effects of fatty acids from plants. *South African Journal of Botany*. 68, 417-423.
11. Fennell, C.W., Lindsey, K.L., McGaw, L.J., Sparg, S.G., Stafford, G.I., Elgorashi, E.E., Grace, O.M. and van Staden, J. 2004. Assessing African medicinal plants for efficacy and safety: pharmacological screening and toxicology. *Journal of Ethnopharmacology*. 94, 205-217.
12. McGaw, L.J., Gehring, R., Katsoulis, L. and Eloff, J.N. 2005. Is the use of *Gunnera perpensa* extracts in endometritis related to antibacterial activity? *Onderstepoort Journal of Veterinary Research*. 72, 129-134.
13. McGaw, L.J. and Eloff, J.N. 2005. Screening of sixteen poisonous plants for antibacterial, anthelmintic and cytotoxic activity *in vitro*. *South African Journal of Botany*. 71, 302-306.
14. McGaw, L.J., Van der Merwe, D. and Eloff, J.N. 2007. *In vitro* anthelmintic, antibacterial and cytotoxic effects of extracts from plants used in South African ethnoveterinary medicine. *The Veterinary Journal*. 173, 366-372.
15. McGaw, L.J., Steenkamp, V. and Eloff, J.N. 2007. Evaluation of *Athrixia* bush tea for cytotoxicity, antioxidant activity, caffeine content and presence of pyrrolizidine alkaloids. *Journal of Ethnopharmacology*. 110, 16-22.
16. Aderogba, M.A., McGaw, L.J., Ogundaini, A.O. and Eloff, J.N. 2007. Antioxidant activity and cytotoxicity study of the flavonol glycosides from *Bauhinia galpinii*. *Natural Product Research*. 21, 591-599.
17. Iwalewa, E.O., McGaw, L.J., Naidoo, V. and Eloff, J.N. 2007. Inflammation: the foundation of diseases and disorders. A review of phytomedicines of South African origin used to treat pain and inflammatory conditions. *African Journal of Biotechnology*. 6, 2868-2885.
18. Iwalewa, E.O., Daniyan, O.M., Osoniyi, O.R., Adetogun, G.E., McGaw, L.J., Naidoo, V. and Eloff, J.N. 2007. Mechanisms of the toxic effect of *Harungana madagascariensis* stem bark *in vivo* and *in vitro*. *Journal of Tropical Medicinal Plants*. 8, 184-192.
19. Naidoo, V., Wolter, K., Cromarty, A.D., Bartels, P., Bekker, L., McGaw, L.J., Taggart, M.A., Cuthbert, R. and Swan, G.E. 2008. The pharmacokinetics of meloxicam in vultures. *Journal of Veterinary Pharmacology and Therapeutics*. 31, 128-134.
20. Naidoo, V., McGaw, L.J., Bisschop, S.P.R., Duncan, N. and Eloff, J.N. 2008. The value of plant extracts with antioxidant activity in attenuating coccidiosis in broiler chickens. *Veterinary Parasitology*. 153, 214-219.
21. McGaw, L.J., Lall, N., Hlokwé, T.M., Michel, A.L., Meyer, J.J.M. and Eloff, J.N. 2008. Purified compounds and extracts from *Euclea* species with antimycobacterial activity against *Mycobacterium bovis* and fast-growing mycobacteria. *Biological and Pharmaceutical Bulletin*. 31, 1429-1433.
22. Shai, L.J., McGaw, L.J., Masoko, P. and Eloff, J.N. 2008. Antifungal and antibacterial activity of seven traditionally used South African plant species active against *Candida albicans*. *South African Journal of Botany*. 74, 677-684.

23. McGaw, L.J. and Eloff, J.N. 2008. Ethnoveterinary use of southern African plants and scientific evaluation of their medicinal properties. *Journal of Ethnopharmacology*. 119, 559-574.
24. Shai, L.J., McGaw, L.J., Aderogba, M.A., Mdee, L.K. and Eloff, J.N. 2008. Four pentacyclic triterpenoids with antifungal and antibacterial activity from *Curtisia dentata* (Burm.f) C.A. Sm. leaves. *Journal of Ethnopharmacology*. 119, 238-244.
25. Eloff, J.N., Katerere, D.R. and McGaw, L.J. 2008. The biological activity and chemistry of the southern African Combretaceae. *Journal of Ethnopharmacology*. 119, 686-699.
26. McGaw, L.J., Lall, N., Meyer, J.J.M. and Eloff, J.N. 2008. The potential of South African plants against *Mycobacterium* infections. *Journal of Ethnopharmacology*. 119, 482-500.
27. Shai, L.J., McGaw, L.J. and Eloff, J.N. 2009. Extracts of the leaves and twigs of the threatened tree *Curtisia dentata* (Cornaceae) are more active against *Candida albicans* and other microorganisms than the stem bark extract. *South African Journal of Botany*. 75, 363-366.
28. Shai, L.J., Bizimenyera, E.S., Bagla, V.P., McGaw, L.J. and Eloff, J.N. 2009. *Curtisia dentata* (Cornaceae) leaf extracts and isolated compounds inhibit motility of parasitic and free-living nematodes. *Onderstepoort Journal of Veterinary Research*. 76, 249-256.
29. Mokoka, T.A., McGaw, L.J. and Eloff, J.N. 2010. Antifungal efficacy of ten selected South African plant species against *Cryptococcus neoformans*. *Pharmaceutical Biology*. 48, 397-404.
30. Suleiman, M.M., McGaw, L.J., Naidoo, V. and Eloff, J.N. 2010. Evaluation of several tree species for activity against the animal fungal pathogen *Aspergillus fumigatus*. *South African Journal of Botany*. 76, 64-71.
31. Suleiman, M.M., McGaw, L.J., Naidoo, V. and Eloff, J.N. 2010. Detection of antimicrobial compounds by bioautography of different extracts of leaves of selected South African tree species. *African Journal of Traditional, Complementary and Alternative Medicine*. 7, 64-78.
32. Muraina I.A, Auda A.O, Mamman M., Kazeem H.M., Picard J., McGaw L.J. and Eloff J.N. 2010. Antimycoplasmal activity of some plant species from northern Nigeria compared to the currently used therapeutic agent. *Pharmaceutical Biology*. 48, 1103-1107.
33. Aderogba, M.A., McGaw, L.J., Bezabih, M., Abegaz, B.M. 2010. Antioxidant activity and cytotoxicity study of *Leucaena leucocephala* (Lam.) de Wit leaf extract constituents. *Nigerian Journal of Natural Products and Medicine*. 13, 65-68.
34. Mahlo, S.M., McGaw, L.J., Eloff, J.N. 2010. Antifungal activity of leaf extracts from South African trees against plant pathogens. *Crop Protection*. 29, 1529-1533.
35. Nchu, F., Githiori, J.B., McGaw, L.J., Eloff, J.N. 2011. Anthelmintic and cytotoxic activities of extracts of *Markhamia obtusifolia* Sprague (Bignoniaceae). *Veterinary Parasitology*. 183, 184-188.
36. Aderogba, M.A., McGaw, L.J., Bezabih, M., Abegaz, B.M. 2011. Isolation and characterisation of novel antioxidant constituents of *Croton zambesicus* leaf extract. *Natural Product Research*. 25, 1224-1233.
37. Bagla, V.P., McGaw, L.J., Eloff, J.N. 2012. The antiviral activity of six South African plants traditionally used against infections in ethnoveterinary medicine. *Veterinary Microbiology*. 155, 198-206.
38. Aderogba, M.A., Kgatle, D.T., McGaw, L.J., Eloff, J.N. 2012. Isolation of antioxidant constituents from *Combretum apiculatum* subsp. *apiculatum*. *South African Journal of Botany*. 79, 125-131.
39. Mukandiwa L., McGaw L.J., Eloff J.N., Naidoo V. 2012. Extracts of four plant species used traditionally to treat myiasis, influence pupation rate, pupal mass and adult blowfly emergence of *Lucilia cuprina* and *Chrysomya marginalis* (Diptera: Calliphoridae). *Journal of Ethnopharmacology*. 143, 812-818.
40. Ahmed, A.S., Elgorashi, E.E., Moodley, N. McGaw, L.J., Naidoo, V., Eloff, J.N. 2012. The antimicrobial, antioxidative, anti-inflammatory activity and cytotoxicity of different fractions of four South African *Bauhinia* species used traditionally to treat diarrhoea. *Journal of Ethnopharmacology*. 143, 826-839.
41. Olaokun O.O., McGaw, L.J., Eloff, J.N., Naidoo, V. 2013. Evaluation of the inhibition of carbohydrate hydrolysing enzymes, antioxidant activity and polyphenolic content of extracts of ten African *Ficus* species (Moraceae) used traditionally to treat diabetes. *BMC Complementary and Alternative Medicine* 13, 94.
42. Mahlo, S.M., McGaw, L.J., Eloff, J.N. 2013. Antifungal activity and cytotoxicity of isolated compounds from leaves of *Breonadia salicina*. *Journal of Ethnopharmacology*. 148, 909-913.
43. Masevhe, N.A., Awouafack, M.D., Ahmed, A.S., McGaw, L.J., Eloff, J.N. 2013. Clerodendrumic acid, a new triterpenoid from *Clerodendrum glabrum* (Verbenaceae) and antimicrobial activity of fractions and constituents. *Helvetica Chimica Acta*. 96, 1693-1703.
44. Mokoka, T.A., McGaw, L.J., Mdee, L.K., Bagla, V.P., Iwalewa, E.O., Eloff, J.N. 2013. Antimicrobial activity and cytotoxicity of triterpenes isolated from leaves of *Maytenus undata* (Celastraceae). *BMC Complementary and Alternative Medicine*. 13, 111.
45. Ahmed, A.S., McGaw, L.J., Eloff, J.N. 2013. Evaluation of pharmacological activities, cytotoxicity and phenolic composition of four *Maytenus* species used in southern African traditional medicine to treat intestinal infections and diarrhoeal diseases. *BMC Complementary and Alternative Medicine*. 13, 100.
46. Awouafack, M.D., McGaw, L.J., Gottfried, S., Mbouangouere, R., Tane, P., Spiteller, M., Eloff, J.N. 2013. Antimicrobial activity and cytotoxicity of the ethanol extract, fractions and eight compounds isolated from *Eriosema robustum* (Fabaceae). *BMC Complementary and Alternative Medicine*. 13, 289.

47. McGaw, L.J., Bagla, V.P., Steenkamp, P.A., Fouche, G., Olivier, J., Eloff, J.N., Myer, M.S. 2013. Antifungal and antibacterial activity and chemical composition of polar and non-polar extracts of *Athrixia phylicoides* determined using bioautography and HPLC. *BMC Complementary and Alternative Medicine*. 13, 356.
48. Würger, G., McGaw, L.J., Eloff, L.J. 2014. Tannin content of leaf extracts of 53 trees used traditionally to treat diarrhoea is an important criterion in selecting species for further work. *South African Journal of Botany*. 90, 114-117.
49. Makhafola, T.J., McGaw, L.J., Eloff, J.N. 2014. *In vitro* cytotoxicity and genotoxicity of five *Ochna* species 2 (Ochnaceae) with excellent antibacterial activity. *South African Journal of Botany*. 91, 9-13.

Book chapters

1. Jäger, A.K., McGaw, L.J., Grace, O.M. and van Staden, J. 2004. Bioprospecting of forest and woodland plant species used in Zulu traditional medicine. In: *The use and socioeconomic value of indigenous forest and woodland resources in South Africa*. Eds. Lawes, M.J., Eeley, H.A.C., Shackleton, C.M. and Geach, B.G.S. University of KwaZulu-Natal Press, Pietermaritzburg. pp. 493-516. ISBN 1-86914-050-8.
2. McGaw, L.J., Jäger, A.K., Grace, O.M., Fennell, C.W. and van Staden, J. 2005. Medicinal plants. In: *Ethics in Agriculture – an African Perspective*. Ed. Van Niekerk, A. Springer, The Netherlands. pp. 67-83. ISBN 1-4020-2988-8.
3. Eloff, J.N. and McGaw, L.J. 2006. Plant extracts used to manage bacterial, fungal and parasitic infections in southern Africa. In: *Modern Phytomedicine: turning medicinal plants into drugs*. Ed. Ahmad, I. Wiley-VCH, Germany. pp. 97-121. ISBN 978-3-527-31530-7.
4. Eloff, J.N. and McGaw, L.J. 2008. Application of plant extracts and products in veterinary infections. In: *New Strategies Combating Bacterial Infection*. Ed. Ahmad, I. and Aqil, F. Wiley-Blackwell, Weinheim, Germany. pp. 205-228. ISBN 978-3-527-32206-0.
5. McGaw, L.J. and Eloff, J.N. 2010. Methods for evaluating efficacy of ethnoveterinary medicinal plants. In: *Ethnoveterinary Botanical Medicine: Herbal Medicines for Animal Health*. Eds. Katerere, D.P., Luseba, D. Taylor & Francis, New York. pp. 1-24. ISBN 978-1-4200-4560-4.
6. Eloff, J.N. and McGaw L.J. 2010. Methods and procedures used in the quality control of African Herbal Pharmacopoeia products. In: *African Herbal Pharmacopoeia*. Eds. Brendler, T., Eloff, J.N., Gurib Fakim, A., Phillips, D. AAMPS Publishing, Mauritius. pp. 274-285. ISBN 978-99903-89-09-8.
7. McGaw, L.J. 2013. Use of plant-derived extracts and essential oils against multi-drug resistant bacteria affecting animal health and production. In: *Fighting multidrug resistance with herbal extracts, essential oils and their components*. Eds. Rai, M.K., Kon, K.V. Academic Press (Elsevier Inc.), London. pp. 191-203. ISBN 978-0-12-398539-2.
8. McGaw, L.J. and Eloff, J.N. 2014. African plants with potential for development into ethnoveterinary products. In: *Novel Plant Bioresources: Applications in Food, Medicine and Cosmetics*. Ed. Gurib Fakim, A. John Wiley & Sons. pp 237-262.
9. Eloff, J.N. and McGaw, L.J. 2014. Using African plant biodiversity to combat microbial infections. In: *Novel Plant Bioresources: Applications in Food, Medicine and Cosmetics*. Ed. Gurib Fakim, A. John Wiley & Sons. pp 163-174.

Non-refereed scientific publications or popular scientific articles

1. McGaw, L.J. and McKechnie, A.E. 2013. What's your poison? Birds and toxic plants. *African Birdlife*. July/August pp. 29-32.

Abstracts (conference proceedings)

1. Eloff, J.N., Angeh, I., and McGaw, L.J. 2006. A plant antifungal product from *Melianthus comosus* (Melianthaceae) leaf extracts. *Planta Medica*. 72, 982.
2. McGaw, L.J., Shai, L.J. and Eloff, J.N. 2007. *Candida* and *Cryptococcus*: Targets for plant-derived antifungals. *South African Journal of Botany*. 73, 302.
3. Eloff, J.N., Angeh, I., and McGaw, L.J. 2007. A potentiated leaf extract of *Melianthus comosus* has higher activity than six commercial products used against plant fungal pathogens. *South African Journal of Botany*. 73, 286-287.
4. McGaw, L.J., Bagla, V.P. and Eloff, J.N. 2007. Ethnoveterinary plants with antiviral activity against feline herpesvirus type 1. *Planta Medica*. 73, 810.
5. McGaw, L.J., Lall, N., Hlokwé, T., Michel, A., Meyer, J.J.M. and Eloff, J.N. 2007. Bovine tuberculosis: a zoonotic target for medicinal plants. *Planta Medica*. 73, 882.
6. Mayekiso, K., Eloff, J.N. and McGaw, L.J. 2008. Screening of South African plants for antibacterial and antimycobacterial activity. *African Journal of Traditional, Complementary and Alternative Medicines*. 5, 319.
7. Suleiman, M.M., McGaw, L.J., Picard, J., Naidoo, V. and Eloff, J.N. 2008. Detection of antimicrobial compounds by direct bioautography in some South African plants. *African Journal of Traditional, Complementary and Alternative Medicines*. 5, 324-325.

8. Mahlo, S., McGaw, L.J., Eloff, J.N. 2008. Plant antifungal extracts active against plant pathogenic fungi. *African Journal of Traditional, Complementary and Alternative Medicines*. 5, 487-488.
9. Wuerger, G., McGaw, L.J., Franz, C. and Eloff, J.N. 2008. Evaluation of the activity of leaf extracts of trees that have been used to treat diarrhoea in humans and animals. *African Journal of Traditional, Complementary and Alternative Medicines*. 5, 475-476.
10. Komape, N.P.M., McGaw, L.J. and Eloff, J.N. 2008. Preliminary screening of plant species that may be useful in controlling diarrhoea in production livestock. *African Journal of Traditional, Complementary and Alternative Medicines*. 5, 471.
11. Muraina, I.A., McGaw, L.J., Picard, J. and Eloff, J.N. 2008. Preliminary investigation into antimycoplasmal activity of traditionally used Nigerian plants. *African Journal of Traditional, Complementary and Alternative Medicines*. 5, 441-442.
12. McGaw, L.J., Bagla, V.P., Mokoka, T.A., Elgorashi, E.E. and Eloff, J.N. 2008. South African ethnoveterinary plant extracts with antimicrobial and antiviral potential. *African Journal of Traditional, Complementary and Alternative Medicines*. 5, 472.
13. Labuschagné, A., Lall, N., Mativandlela, S.P.N., McGaw, L.J. and Hamilton, C. 2009. Antimycobacterial activity of seven herbaceous plants. *South African Journal of Botany*. 75, 409.
14. Le Roux, K., Lall, N. and McGaw, L.J. 2009. Anti-cancer activity of plant extracts. *South African Journal of Botany*. 75, 409-410.
15. McGaw, L.J., Elgorashi, E.E. and Eloff, J.N. 2010. Cytotoxicity and mutagenicity investigation of extracts of common South African ethnoveterinary plants. *Planta Medica*. 76, 1231.
16. McGaw, L.J., Mokoka, T.A. and Eloff, J.N. 2011. Selectivity index values for antimicrobial plant extracts differ depending on the type of cytotoxicity assay and the cell culture conditions used. *South African Journal of Botany*. 77, 543.
17. Makhafola T.J., McGaw L.J., Eloff J.N. 2012. Antibacterial, cytotoxic and mutagenic effects of five *Ochna* species. *South African Journal of Botany*. 79,196-197.
18. Masevehe N.A., Aroke A.S., McGaw L.J., Eloff J.N. 2012. Evaluating antioxidant activity and cytotoxicity of selected South African medicinal plant species. *South African Journal of Botany*. 79, 197-197.
19. McGaw L.J., Makhafola T.J., Udom O.O, Eloff J.N. 2012. Antimycobacterial activity, cytotoxicity and genotoxicity studies of *Ptaeroxylon obliquum* and *Sideroxylon inerme* leaf extracts. *South African Journal of Botany*. 79, 199-200.
20. Olaokun O.O., McGaw L.J., Eloff J.N. 2012. Antioxidant activity, total polyphenolic content and in vitro inhibition of activity of digestive enzymes significant to diabetes by leaf extracts of ten South African *Ficus* species. *South African Journal of Botany*. 79, 205-205.
21. Sakong B.M., Ahmed A.S., McGaw L.J., Eloff J.N. 2012. Isolation and characterization of compounds from *Calodendrum capense* and *Lydenburgia cassinoides* with antimicrobial potential against opportunistic pathogens. *South African Journal of Botany*. 79, 210-210.
22. Adamu M., Awouafack M.D., Ahmed A.S., McGaw L.J., Naidoo V., Eloff J.N. 2013. Anthelmintic phloroglucinol derivatives and antifungal activity of fractions from *Leucosidea sericea*. Rosaceae). *South African Journal of Botany*. 86, 171-171.
23. Makhafola T.J., Elgorashi E.E., McGaw L.J., Awouafack M.D., Verschaeve L., Eloff J.N. 2013. Antimutagenic potential of *Combretum microphyllum* methanol leaf extract. *South African Journal of Botany*. 86, 158-158.
24. Makhafola T.J., McGaw L.J., Elgorashi E.E., Samuel, B.B., Eloff J.N. 2013. Biological activity of *Ochna* species. *South African Journal of Botany*. 86, 176-176.
25. Eloff J.N., Naidoo V., Mukandiwa L., Adamu M., Suleiman M., McGaw L.J. 2013. Extracts of plant species used traditionally or discovered by wide screening can be used to treat production animal infections by blowflies, worms and fungi. *South African Journal of Botany*. 86, 158-158.

Conferences

1. McGaw, L.J., Jäger, A.K. and van Staden, J. 1996. Screening Zulu medicinal plants for prostaglandin synthesis inhibitors. *Paper presentation at South African Association of Botanists (SAAB) 22nd Annual Congress, Stellenbosch, South Africa*
2. McGaw, L.J., Jäger, A.K. and van Staden, J. 1998. Screening for antibacterial, anthelmintic and antiamebic activity in traditional South African medicine plants used for treatment of stomach upsets. *Paper presentation at Natal University Research Unit for Plant Growth and Development (NU RUPGD) 14th Annual Meeting, Pietermaritzburg, South Africa*
3. McGaw, L.J., Jäger, A.K. and van Staden, J. 1999. Screening of traditional South African medicinal plants for anthelmintic, antiamebic and antibacterial activity. *Paper presentation at SAAB 25th Annual Congress, Umtata, South Africa*
4. McGaw, L.J., Jäger, A.K. and van Staden, J. 1999. Anthelmintic and antibacterial activity in South African muthi plants. *Poster presentation at Indigenous Plant Use Forum (IPUF), 2nd Annual Congress, Richard's Bay, South Africa*

5. McGaw, L.J., Jäger, A.K. and van Staden, J. 1999. Biological activity of South African medicinal plants against nematodes, amoebae and bacteria. *Poster presentation at 5th Joint Meeting of the American Society of Pharmacognosy, Association Francaise pour l'Enseignement et la Recherche en Pharmacognosie, Gesellschaft für Arzneipflanzenforschung and the Phytochemical Society of Europe: 2 000 years of natural products research – past, present and future, Amsterdam, The Netherlands*
6. McGaw, L.J., Jäger, A.K. and van Staden, J. 1999. Investigation of antibacterial, anthelmintic and antiamoebic activity in South African medicinal plants. *Paper presentation at Natal University Research Centre for Plant Growth and Development (NU RCPGD) 1st Annual Meeting, Pietermaritzburg, South Africa*
7. McGaw, L.J., Jäger, A.K. and van Staden, J. 2000. Antibacterial, anthelmintic and antiamoebic effects of South African medicinal plants. *Paper presentation at SAAB 26th Annual Congress, Potchefstroom, South Africa*
8. McGaw, L.J., Jäger, A.K. and van Staden, J. 2000. Antibacterial and anthelmintic compounds from *Acorus calamus* in South Africa. *Paper presentation at Centre for Indigenous Plant Use Research (CIPUR) 5th Annual Symposium, Pietermaritzburg, South Africa*
9. McGaw, L.J., Jäger, A.K. and van Staden, J. 2000. *Acorus calamus*: a toxic medicinal plant? *Paper presentation at NU RCPGD 2nd Annual Meeting, Pietermaritzburg, South Africa*
10. McGaw, L.J., Jäger, A.K. and van Staden, J. 2001. Isolation of bioactive compounds from *Acorus calamus*. *Paper presentation at SAAB 27th Annual Congress, Johannesburg, South Africa*
11. McGaw, L.J., Jäger, A.K. and van Staden, J. 2001. Antibacterial fatty acids from *Schotia brachypetala*. *Poster presentation at the World Conference on Aromatic Plants: possibilities and limitations of medicinal and aromatic plant production towards the 21st century, Budapest, Hungary*
12. McGaw, L.J., Jäger, A.K. and van Staden, J. 2002. Fatty acids: underutilized weapons in the war against infection. *Paper presentation at IPUF, 5th Annual Congress, George, South Africa*
13. Eloff, J.N., McGaw, L.J. and van der Merwe, D. 2003. Screening of several plants for use in ethnoveterinary medicine in northern parts of South Africa. *Paper presentation at IPUF, 6th Annual Congress, Rustenburg, South Africa*
14. McGaw, L.J. and Eloff, J.N. 2004. Biological activity and chemical comparisons of *Leonotis* species. *Paper presentation at IPUF, 7th Annual Congress, Clanwilliam, South Africa* (Won Prize for Best Paper Presentation)
15. McGaw, L.J. and Eloff, J.N. 2004. Use of the MTT cell line and brine shrimp lethality assays to detect potential cytotoxic effects of *Athrixia* (Bushman's tea) extracts. *Paper presentation at TOXSA (3rd Conference of the Toxicological Society of South Africa), Pretoria, South Africa*
16. McGaw, L.J. and Eloff, J.N. 2005. *Athrixia* bush tea: cytotoxic and antioxidant activity. *Paper presentation at IPUF, 8th Annual Congress, Grahamstown, South Africa*
17. McGaw, L.J. and Eloff, J.N. 2005. *Athrixia phylicoides* (bush tea): a new health-promoting beverage. *Paper presentation at Faculty Day, Faculty of Veterinary Sciences, University of Pretoria*
18. McGaw, L.J. and Eloff, J.N. 2005. *Athrixia phylicoides* (bush tea): possibilities for a new health-promoting beverage. *Poster presentation at The 53rd Annual Congress of the GA (German Society for Medicinal Plant Research) together with the SIF (Italian Society of Phytochemistry), Florence, Italy*
19. McGaw, L.J., van der Merwe D. and Eloff, J.N. 2005. Evaluation of South African ethnoveterinary plants for *in vitro* biological activity. *Paper presentation at The 20th International Conference of the World Association for the Advancement of Veterinary Parasitology (WAAVP), Christchurch, New Zealand*
20. McGaw, L.J., Eloff, J.N., Naudé T.W. and Segales, J. 2006. Detection of toxic *Erythrophleum* alkaloids in animal bedding material. *Paper presentation at TOXSA (4th Conference of the Toxicological Society of South Africa), Pretoria, South Africa*
21. McGaw, L.J., Naidoo, V., Bisschop, S., Duncan, N. and Eloff, J.N., 2006. Anticoccidial effects of plant-derived extracts in chickens. *Paper presentation at IPUF, 9th Annual Congress, Gaborone, Botswana*
22. Shai, L.J., McGaw, L.J., Aderogba, M.A., Mdee, L.K. and Eloff, J.N., 2006. Antimicrobial activity of four triterpenes isolated from *Curtisia dentata*. *Paper presentation at IPUF, 9th Annual Congress, Gaborone, Botswana*
23. Mokoka, T.A., McGaw, L.J. and Eloff, J.N., 2006. Anti-*Cryptococcus neoformans* activity of *Maytenus undata* leaves. *Paper presentation at IPUF, 9th Annual Congress, Gaborone, Botswana*
24. Eloff, J.N., Angeh, I.E. and McGaw, L.J., 2006. Developing an antifungal product for plant protection from *Melianthus comosus* (Melianthaceae). *Paper presentation at IPUF, 9th Annual Congress, Gaborone, Botswana*
25. McGaw, L.J. and Eloff, J.N., 2006. *Erythrophleum* sawdust: toxic bedding for pigs. *Paper presentation at Faculty Day, Faculty of Veterinary Sciences, University of Pretoria* (Won third prize for Best Paper Presentation by a Young Scientist)
26. Angeh, I.E., McGaw, L.J. and Eloff, J.N., 2006. A plant antifungal product from *Melianthus comosus* (Melianthaceae) leaf extracts. *Paper presentation (delivered by JN Eloff) at The 54th Annual Congress of the GA (German Society for Medicinal Plant Research), Helsinki, Finland*

27. McGaw, L.J., Samdumu, F.B., van Vuuren, M. and Eloff, J.N., 2006. Antimicrobial compounds from *Combretum paniculatum* (Combretaceae). *Paper presentation (delivered by JN Eloff) at The 27th African Health Sciences Congress, Durban, South Africa*
28. Eloff, J.N., Angeh, I.E. and McGaw, L.J., 2007. A potentised leaf extract of *Melianthus comosus* has higher activity than six commercial products used against plant fungal pathogens. *Paper presentation at SAAB 33rd Annual Congress, Cape Town, South Africa*
29. McGaw, L.J., Shai, L.J. and Eloff, J.N. 2007. *Candida* and *Cryptococcus*: targets for plant-derived antifungals. *Paper presentation at SAAB 33rd Annual Congress, Cape Town, South Africa*
30. Bagla, V.P., Suleiman, M.M., McGaw, L.J. and Eloff, J.N. 2007. Comparative antimicrobial activity of selected South African medicinal plants against bacterial and fungal pathogens. *Paper presentation at IPUF, 10th Annual Congress, Johannesburg, South Africa*
31. McGaw, L.J. and Eloff, J.N. 2007. Medicinal mushrooms and their place in Africa. *Paper presentation at IPUF, 10th Annual Congress, Johannesburg, South Africa*
32. Mokoka, T.A., McGaw, L.J., Bagla, V.P., Iwalewa, E.O. and Eloff, J.N. 2007. *In vitro* antifungal, antibacterial, anti-inflammatory and cytotoxic activities of compounds isolated from leaves of *Maytenus undata* (Celastraceae). *Paper presentation at IPUF, 10th Annual Congress, Johannesburg, South Africa*
33. Shai, L.J., McGaw, L.J., Picard, J. and Eloff, J.N. 2007. *In vivo* wound healing activity of *Curtisia dentata* extracts and isolated compounds. *Paper presentation at IPUF, 10th Annual Congress, Johannesburg, South Africa*
34. Suleiman, M.M., McGaw, L.J. and Eloff, J.N. 2007. Screening for antifungal activity in selected South African traditional medicinal plants. *Paper presentation at IPUF, 10th Annual Congress, Johannesburg, South Africa*
35. Suleiman, M.M., McGaw, L.J., Bagla, V.P. and Eloff, J.N. 2007. Screening for antibacterial activity in selected South African traditional medicinal plants. *Poster presentation at IPUF, 10th Annual Congress, Johannesburg, South Africa*
36. McGaw, L.J., Bagla, V.P. and Eloff, J.N. 2007. Ethnoveterinary plants with antiviral activity against feline herpesvirus type 1. *Paper presentation at The 55th Annual Congress of the GA (German Society for Medicinal Plant Research), Graz, Austria*
37. McGaw, L.J., Lall, N., Hlokwé, T., Michel, A., Meyer, J.J.M. and Eloff, J.N. 2007. Bovine tuberculosis: a zoonotic target for medicinal plants. *Poster presentation at The 55th Annual Congress of the GA (German Society for Medicinal Plant Research), Graz, Austria*
38. Iwalewa, E.O., Adetogun, G.E., Daniyan, O.M., Osoniyi, O.R., McGaw, L.J., Naidoo, V. and Eloff, J.N. 2007. Mechanisms of the toxic effect of *Harungana madagascariensis* stem bark extracts *in vivo* and *in vitro*. *Poster presentation at The South African Pharmacology and Toxicology Congress, Buffelspoort, South Africa*
39. McGaw, L.J., Eloff, J.N. 2007. Ethnoveterinary plant extracts: relationships between antibacterial activity and cytotoxicity. *Poster presentation at The South African Pharmacology and Toxicology Congress, Buffelspoort, South Africa*
(Won \$200 book prize from Taylor and Francis for Poster Presentation)
40. McGaw, L.J., Shai, L.J., Mokoka, T.A. and Eloff, J.N. 2008. Cytotoxicity of antifungal compounds isolated from two South African medicinal plants. *Poster prepared for African Society of Toxicological Sciences (ASTS) Symposium as part of Society of Toxicology (SOT) conference in Seattle, USA*
41. McGaw, L.J., Elgorashi, E.E., Bagla, V.P., Mokoka, T.A. and Eloff, J.N. 2008. Genotoxicity, cytotoxicity and biological activity investigation of South African ethnoveterinary plants. *Paper presentation at The 6th Pan African Environmental Mutagen Society (PAEMS), Cape Town, South Africa*
42. McGaw, L.J., Bagla, V.P., Mokoka, T.A., Elgorashi, E.E., and Eloff, J.N. 2008. South African ethnoveterinary plant extracts with antimicrobial and antiviral potential. *Paper presentation at The 4th World Conference on Medicinal and Aromatic Plants (WOCMAP), Cape Town, South Africa*
43. Wuerger, G., Eloff, J.N., and McGaw, L.J. 2008. Evaluation of the activity of leaf extracts of trees that have been used to treat diarrhoea in humans and animals. *Paper presentation at The 4th World Conference on Medicinal and Aromatic Plants (WOCMAP), Cape Town, South Africa*
44. Komape, P., McGaw, L.J., and Eloff, J.N. 2008. Preliminary screening of plant species that may be useful in controlling diarrhoea in production livestock. *Paper presentation at The 4th World Conference on Medicinal and Aromatic Plants (WOCMAP), Cape Town, South Africa*
45. Mayekiso, K.T.V., Eloff, J.N., and McGaw, L.J. 2008. Screening of South African plants for antibacterial and antimycobacterial activity. *Paper presentation at The 4th World Conference on Medicinal and Aromatic Plants (WOCMAP), Cape Town, South Africa*
46. Mahlo, S.M., McGaw, L.J., and Eloff, J.N. 2008. Plant antifungal extracts active against plant pathogenic fungi. *Paper presentation at The 4th World Conference on Medicinal and Aromatic Plants (WOCMAP), Cape Town, South Africa*
47. Muraina, I.A., McGaw, L.J., Picard, J. and Eloff, J.N. 2008. Preliminary investigation into antimycoplasmal activity of traditionally used Nigerian plants. *Paper presentation at The 4th World Conference on Medicinal and Aromatic Plants (WOCMAP), Cape Town, South Africa*

48. Suleiman, M.M., McGaw, L.J., Picard, J., Naidoo, V. and Eloff, J.N. 2008. Detection of antimicrobial compounds by direct bioautography in some South African plants. *Paper presentation at The 4th World Conference on Medicinal and Aromatic Plants (WOCMAP), Cape Town, South Africa*
49. Labuschagné, A., Lall, N., Mativandlela, S.P.N., McGaw, L.J. and Hamilton, C. 2009. Antimycobacterial activity of seven herbaceous plants. *Paper presentation at SAAB 35th Annual Congress, Stellenbosch, South Africa*
50. Le Roux, K., Lall, N. and McGaw, L.J. 2009. Anti-cancer activity of plant extracts. *Paper presentation at SAAB 35th Annual Congress, Stellenbosch, South Africa*
51. McGaw, L.J., Elgorashi, E.E., and Eloff, J.N. 2010. Safety of ethnoveterinary plant extracts: cytotoxicity and genotoxicity studies. *Paper presentation at IPUF 13th Annual Congress, Keimoes, South Africa*
52. McGaw, L.J., Elgorashi, E.E. and Eloff, J.N. 2010. Cytotoxicity and mutagenicity investigation of extracts of common South African ethnoveterinary plants. *Poster presentation at The 58th Annual Congress of the GA (German Society for Medicinal Plant and Natural Product Research), Berlin, Germany*
53. McGaw, L.J., Mokoka, T.A. and Eloff, J.N. 2011. Selectivity index values for antimicrobial plant extracts differ depending on the type of cytotoxicity assay and the cell culture conditions used. *Paper presentation at SAAB 37th Annual Congress, Grahamstown, South Africa*
54. McGaw, L.J., Makhafola, T.J., Udom, O.O., Mayekiso, K.T.V. and Eloff, J.N. 2012. Antimycobacterial activity, cytotoxicity and genotoxicity studies of *Ptaeroxylon obliquum* and *Sideroxylon inerme* leaf extracts. *Paper presentation at SAAB 38th Annual Congress, Pretoria, South Africa*
55. Masevhe, N.A., Aroke, A., McGaw L.J. and Eloff, J.N. 2012. Evaluating antioxidant activity and cytotoxicity of selected South African medicinal plant species. *Paper presentation at SAAB 38th Annual Congress, Pretoria, South Africa*
56. Olaokun, O.O., McGaw, L.J., Eloff, J.N. and Naidoo, V. 2012. Antioxidant activity, total polyphenolic content and *in vitro* inhibition of activity of digestive enzymes significant to diabetes by leaf extracts of ten South African *Ficus* species. *Paper presentation at SAAB 38th Annual Congress, Pretoria, South Africa*
57. Makhafola, T.J., McGaw, L.J. and Eloff, J.N. 2012. Antibacterial, cytotoxic and mutagenic effects of five *Ochna* species. *Paper presentation at SAAB 38th Annual Congress, Pretoria, South Africa*
58. Sakong, B.M., Ahmed, A.S., McGaw, L.J. and Eloff, J.N. 2012. Isolation and characterization of compounds from *Calodendrum capense* and *Lydenburgia cassinoides* with antimicrobial potential against opportunistic pathogens. *Paper presentation at SAAB 38th Annual Congress, Pretoria, South Africa*
59. McGaw, L.J., Aderogba, M.A., Bagla, V.P., Eloff, J.N. and Abegaz, B.M. 2012. Antifungal and cytotoxic activity of compounds from *Pseudognaphalium luteo-album* leaf extracts. *Paper presentation at IPUF 15th Annual Congress, Thohoyandou, South Africa*
60. Sakong, B.M., Ahmed A.S., Eloff, J.N. and McGaw L.J. 2012. Antimycobacterial activity of extracts and compounds isolated from *Lydenburgia cassinoides*. *Paper presentation at IPUF 15th Annual Congress, Thohoyandou, South Africa*
61. Eloff, J.N., Naidoo, V., Mukandiwa, L., Adamu, M., Suleiman, M. and McGaw, L.J. 2012. Infection of production animals by blowflies, worms and fungi can be treated with extracts of plant species used traditionally or discovered by wide screening. *Paper presentation at the 13th Congress of the International Society for Ethnopharmacology (ISE) in collaboration with the Society for Medicinal Plant and Natural Product Research (GA) and Eurasia-Pacific Uninet. Graz, Austria.*
62. McGaw, L.J., Makhafola, T.J., Udom, O.O. and Eloff, J.N. 2012. *Sideroxylon inerme*: a potential source of antimycobacterial compounds with low cytotoxicity and mutagenicity. *Paper presentation at ACPFM: 46th Annual Congress of the South African Society for Basic and Clinical Pharmacology (SASBCP) in Association with the Department of Family Medicine (UP) and the Toxicology Society of South Africa (TOXSA). Pretoria, South Africa.*
63. Olaokun, O.O., McGaw, L.J., Eloff, J.N. and Naidoo, V. 2012. The importance of cytotoxicity testing in selecting *Ficus* plant extracts with promising antidiabetic enzyme inhibitory activity for further research. *Paper presentation at ACPFM: 46th Annual Congress of the South African Society for Basic and Clinical Pharmacology (SASBCP) in Association with the Department of Family Medicine (UP) and the Toxicology Society of South Africa (TOXSA). Pretoria, South Africa.*
64. Makhafola, T.J., Elgorashi, E.E., McGaw, L.J., Verschaeve, L. and Eloff, J.N. 2012. *Combretum microphyllum* and *Leucospermum erubescens* inhibit the genotoxic effects of 4-NQO, MMC and EMS *in vitro*. *Paper presentation at ACPFM: 46th Annual Congress of the South African Society for Basic and Clinical Pharmacology (SASBCP) in Association with the Department of Family Medicine (UP) and the Toxicology Society of South Africa (TOXSA). Pretoria, South Africa.*
65. Adamu, M., Awouafack, M.D., Ahmed, A.S., McGaw, L.J. and Eloff, J.N. 2013. Anthelmintic phloroglucinol derivatives and antifungal activity of fractions from *Leucosidea sericea* (Rosaceae). *Paper presentation at SAAB 39th Annual Congress, Drakensberg, South Africa.*
66. Makhafola, T.J., Elgorashi, E.E., McGaw, L.J., Awouafack, M.D., Verschaeve, L. and Eloff, J.N. 2013. Antimutagenic potential of *Combretum microphyllum* methanol leaf extract. *Paper presentation at SAAB 39th Annual Congress, Drakensberg, South Africa.*

67. Eloff, J.N., Naidoo, V., Mukandiwa, L., Adamu, M., Suleiman, M. and McGaw, L.J. 2013. Extracts of plant species used traditionally or discovered by wide screening can be used to treat production animal infections by blowflies, worms and fungi. *Paper presentation at SAAB 39th Annual Congress, Drakensberg, South Africa.*
68. Makhafola, T.J., McGaw, L.J., Elgorashi, E.E., Samuel, B.B. and Eloff, J.N. 2013. Biological activity of *Ochna* species. *Poster presentation at SAAB 39th Annual Congress, Drakensberg, South Africa*