



SAAB 2022
17 - 20 January 2022

PROGRAMME

Monday

17 January 2022

9:00 – 10:00	Chair: Prof Oziniel Ruzvidzo Keynote Lecture: Prof B-E van Wyk Title: The importance and relevance of ethnobotanical research – science of the future?
10:00 – 11:00	Welcome: Prof Glynis Goodman & Prof Oziniel Ruzvidzo Remo icebreaker: Remo
10:30 - 12:00	SAAB council meeting
11:00 - 12:00	Lunch
12:00 – 12:45	Chair: Prof Oziniel Ruzvidzo Plenary Lecture: Ms Zyanab Shaik Title: Spatially explicit tests of species independence using genome-scale markers
12:45 – 13:00	Comfort break

	Session 1: Ecology Chair: Prof Sarel Cilliers	Session 2: Pollination biology Chair: Prof Sjirk Geerts
13:00-13:20	<u>J.J. Marion Meyer</u> , N.L. Meyer, C.E. Schutte Are the fairy circles the tombstones of declining populations of succulent <i>Euphorbia</i> species on sandy deposits in the pro-Namib Desert?	<u>A. Coetzee</u> , C.N. Spottiswoode, C.L. Seymour Reproductive barriers in bird-pollinated <i>Erica</i> species.
13:20-13:40	<u>E.L. Ferreira</u> , A.C. van Aardt, L. Joubert Possible effect of community composition on pollination rewards in three <i>Nemesia</i> species from Namaqualand.	<u>J.M. Cobbold</u> , L.A. Rothmann, L. Joubert To bee or not to bee – floral rewards and pollination efficiency in South African Macadamia.
13:40-14:00	<u>Geldenhuys, C</u> Succulent Karoo vegetation change in a new conservation area of Goegap Nature Reserve, South Africa, over eleven years, including a period of severe drought.	<u>H.C. Butler</u> , S.D. Johnson Seed dispersal by monkey spitting in <i>Scadoxus</i> (Amaryllidaceae): fruit selection, dispersal distances, and effects on seed germination.
14:00-14:20	<u>N. Gwedla</u> , S.F. Cornelius, M.J. Du Toit, S.S. Cilliers South African health clinic gardens as models for social-ecological systems: plant diversity and potential utilization.	<u>L.M.C. James</u> , C.I. Peter Contrasting patterns in flowering phenology between species adapted for pollination by generalist compared to specialist flower-visiting birds.

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17 January 2022

	Session 1: Ecology Chair: Prof Sarel Cilliers	Session 2: Pollination biology Chair: Prof Sjikr Geerts
14:20-14:30	Comfort break	Comfort break
14:30-14:50	<u>V. Govender</u> , G.V. Cron, E.T.F. Witkowski The reproductive biology of the grassland endemic, <i>Aloe verecunda</i> .	<u>S. McCarren</u> , J.J. Midgley, A. Coetzee Sending private messages: Floral ultraviolet signals are associated with pollination syndromes in <i>Erica</i> .
14:50-15:10	<u>L. Malekana</u> , B. McMillan, P.C. le Roux Environmental drivers of fine-scale variation in vegetation patterns in a Drakensberg grassland.	<u>K. Shaw</u> , G. Theron, A. Opeyemi, C. Bester, S. Geerts Quantifying pollen transfer between cultivated and wild <i>Cyclopia</i> species, South Africa.
15:10-15:30	<u>B. Strohbach</u> , C. Espach, L. Naftal Composition changes over the past 20 years in the grass sward of Thornbush Savanna of Central Namibia.	<u>L. Retief</u> , MM. Nsikani, S. Geerts Does an active plant-focused restoration approach restore pollinator visitation to flowering plants?
15:30-15:50	<u>A.A. Comole</u> , P.W. Malan, M.A.P. Taiwan Effects of <i>Prosopis velutina</i> invasion on soil characteristics along the riverine system of the Molopo River in North-West, South Africa.	

Tuesday

18 January 2022

9:00 – 9:45	Chair: Prof Oziniel Ruzvidzo Plenary Lecture: Dr Hugo Bezuidenhout Title: Management of SANParks: The role and development of vegetation classification to make informed decisions (1991-2022).
9:45 – 10:00	Comfort break

	Session 1: Ecology, invasive alien plant biology, conservation biology Chair: Prof Pieter Malan	Session 2: Pollination Biology, plant physiology Chair: Dr Stephanie Payne
10:00-10:20	<u>M.A.P. Tiawoun</u> , P.W. Malan Composition and status of encroaching woody plant species along riparian zones of the Molopo River, North-West Province, South Africa.	<u>J. J. Minnaar</u> , S.L. Payne, G.V. Cron Birds or bees for fruits and seeds: key pollinators of the summer flowering <i>Aloe reitzii</i> var. <i>reitzii</i>
10:20-10:40	<u>C. Espach</u> , M. Walters, B. Strohbach Bush encroachment in the Thornbush Savanna of Central Namibia is not widespread, but habitat-specific.	<u>M. Tshwane</u> , W.O. Mbeng, T.N Suinyuy Floral morphology, visitors and scent chemistry of <i>Agave sisalana</i> in Nkomazi local Municipality, Mpumalanga, South Africa.
10:40-11:00	<u>A. Marais</u> , E. Newman, C. Peter The use of trapping structures for the housing of mutualistic microbial communities in the “carnivorous” aquatic plant <i>Utricularia stellaris</i> (Lentibulariaceae).	<u>L. Maloma</u> , J. Berner, W. J Weeks The impact of dark-adaption duration on the chlorophyll <i>a</i> fluorescence signature of <i>Amaranthus cruentus</i> leaves.
11:00-11:20	<u>S. Mdoko</u> , N. Jubase Tshali Progress made towards eradicating an invasive shrub, <i>Cistus ladanifer</i> in Western Cape, South Africa.	
11:20-11:40	<u>S. Moodley</u> , G. Goodman-Cron, K. Glennon The reproductive system of <i>Campuloclinium macrocephalum</i> — implications for biocontrol implementation.	

Tuesday

18 January 2022

	Session 1: Ecology, invasive alien plant biology, conservation biology Chair: Prof Pieter Malan
11:40-12:00	<u>S.J. Siebert</u> , R. Phetla, S. Adhikari, R.B. Boneschans, J. Marcelo-Silva Edaphic endemism and metal accumulation along an eroded ultramafic catena in Sekhukhuneland.

12:00-13:00	Lunch
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	Session 1: Ethnobotany Chair: Prof O.A. Aremu	Session 2: Plant Physiology/Biochemistry Chair: Jacques Berner
13:00-13:20	P.M. Padi, <u>T.L. Adetunji</u> , J.O. Unuofin, C. Mchunu, N.R. Ntuli, F. Siebert Phytochemical, antioxidant and functional group analysis of South African <i>Evolvulus alsinoides</i> (L.) L.	<u>A.E. Adetunji</u> , Serphen, B. Varghese, N. Pammenter Effects of exogenous application of five antioxidants on vigour, viability, oxidative metabolism and germination enzymes in aged cabbage and lettuce seeds.
13:20-13:40	<u>R.O. Adeyemo</u> , I.M. Famuyide, S.M. Nkadimeng, L.J. McGaw Antibiofilm, antioxidant and anti-inflammatory activity of selected indigenous South African plants used in the treatment of diarrhoea.	<u>P.S.F. Alberts</u> , M. Janse van Rensburg, S.G. Hussey, J.J.M. Meyer Investigating the <i>in vitro</i> medicinal compound production and restoring a lost function of <i>Erythroxylum emarginatum</i> , an indigenous southern African coca plant species, using genetic complementation and tissue culture feeding approaches.
13:40-14:00	<u>J. Botha</u> , M.N. De Canha, N. Lall, K. Oberlander, D.K. Berger Molecular identification of medicinally important <i>Greyia</i> species and investigation of a white variant's anti-tyrosinase activity.	<u>S.B.M. Chimphango</u> , G.M. Makonya, J.B.O. Ogola Genotype by Environmental Interaction: An experimental strategy for genotype selection for a target environment.
14:00-14:20	<u>M.M. Chirwa</u> , B.-E. Van Wyk, P.M. Tilney, N.G. Bergh The ethnobotany, taxonomy and anatomy of the genus <i>Plecostachys</i> (Asteraceae).	<u>A. Curran</u> , S.Barnard Review of zooxanthellae and their response to environmental stress.
14:20-14:40	<u>R. De Kock</u> , D. Twilley, N. Lall <i>Capsicum</i> extracts with the potential to inhibit skin cancer growth and proliferation.	<u>J.M. Hlahla</u> , M.S. Mafa, R. van der Merwe, M.J. Moloji The photosynthetic efficiency and carbohydrate responses of edamame cultivars under drought stress.

Tuesday

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	Session 1: Ethnobotany Chair: Prof O.A. Aremu
14:40-15:00	<u>B. Diedericks</u> , A. Reid, V. Mandiwana, N. Lall Antimycobacterial effect of encapsulated polyherbal poly-(lactide-co-glycolide) nanoparticles' on <i>Mycobacterium tuberculosis</i> .

15:00-15:30	Comfort break
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	Session 1: Speed talk Chair: Prof James Boatwright	Session 2: Speed talk Chair: Prof Anthony Magee
15:30-15:38	<u>S. Barnard</u> , T.L. Morgenthal, M. Stolz, A. Venter Impact of flow conditions on the dynamics of phytoplankton groups in the Sabie River, South Africa.	<u>R. Lalla</u> , M. D. Cheek, V.S. Mkhize Two unlisted suspicious alien plants in KwaZulu-Natal to look out for.
15:38-15:46	<u>W. Faber</u> , S.J. Siebert, J. Marcelo-Silva, R.B. Boneschans Effect of geology on the tree species composition of the olive forest in the Vredefort Dome.	<u>K.T. Moloj</u> , G. Martin, V.R. Clark, S. Steenhuisen. Seed biology and dispersal of <i>Cotoneaster pannosus</i> in grasslands of eastern Free State.
15:46-15:54	<u>S.F. Joubert</u> , S.J. Siebert, J. Marcelo-Silva, R.B. Boneschans The effect of geology on the prominence of <i>Olea europaea</i> subsp. <i>africana</i> in the Vredefort Dome.	<u>B. Masango</u> , T.P. Jaca Distribution and spread of <i>Ulmus parvifolia</i> (Chinese elm) in South Africa.
15:54-16:02	<u>N.T. Mngomezulu</u> , P.W. Malan, M.A.P. Tiawoun Effects of different scarification treatments on seeds germination and seedlings growth of <i>Prosopis velutina</i> and <i>Vachellia erioloba</i> .	<u>P. Masole</u> , S. Steenhuisen, G. Martin Current status of the invasive shrub <i>Berberis julianae</i> Schneid. (Berberidaceae) in Golden Gate Highlands National Park (Free State Province, South Africa).
16:02-16:10	<u>L. Naftal</u> , V. de Cauwer, B. Strohbach Assessing the likelihood of major plant species distribution under climate change scenarios along an aridity gradient in Namibia.	<u>J. Marcelo-Silva</u> , S.J. Siebert, R. Phetla, S. Adhikari, R.B. Boneschans Metals in soil and plants of South Africa: a not-so-complicated relationship.

Tuesday

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	Session 1: Speed talk Chair: Prof James Boatwright	Session 2: Speed talk Chair: Prof Anthony Magee
16:10-16:18	<u>W. Nel</u> , F. Siebert Effects of legume forb encroachment on an abandoned ploughed grassland: legacy of ploughing, or risk to productivity?	<u>N.Ntsobi</u> , I.Ebrahim Saving <i>Marasmodes undulata</i> : Reintroduction of a Critically Endangered species.
16:18-16:26	<u>M.A. Mkhize</u> , T.P. Jaca, M. Greve <i>Desmodium</i> Desv. (Leguminosae, Papilionoideae) species naturalised in southern Africa and key to distinguish between native and alien species.	<u>C.J. Roebuck</u> , J. Marcelo-Silva, J. Berner, S.J. Siebert The influence of serpentine soils on the early development of <i>Berkheya radula</i> , a non-serpentine species.
16:26-16:34	<u>A. Levanets</u> , S. Janse van Vuuren, A. Venter, J.C. Taylor Non-marine algae and cyanobacteria of South Africa, Kingdoms of Eswatini and Lesotho: taxonomical checklist preparation launched.	<u>S. Mthj</u> , J.M. Rust Indigenous livestock husbandry and ethnoveterinary practices under low input farming systems of the Eastern Cape Province.
16:34-16:42	<u>N. Sithole</u> , M. Struwig A morphological revision of six <i>Adenogramma</i> species (Molluginaceae) in South Africa.	<u>S Ludick</u> , J.M. Berner, R.D. Coertze, S.S. Cilliers Vitality evaluation of urban oaks (<i>Quercus robur</i> L.) using physiological parameters.
16:42-16:50	<u>S.K. Jokazi</u> , T.P. Jaca, R.J. Sebola Taxonomic studies of the genus <i>Dalbergia</i> (Fabaceae) in southern Africa.	<u>P. Ramalepe</u> , D.J. Mycock, I.M. Risenga <i>In vitro</i> propagation of <i>Lippia javanica</i> (Burm.f.) Spreng.: an important medicinal plant.
16:50-16:58	<u>A. Levanets</u> and A. Venter First record of the green algae <i>Hormotilopsis gelatinosa</i> Trainor et Bold in Africa and taxonomical status of its name.	<u>K.T.E. Seameco</u> , P.W. Malan, J.A. Asong <i>Prosopis</i> : an ethnobotanical relevant plant or an environmental problem? An assessment of indigenous knowledge.
16:58-17:06	M. Koekemoer, H.M. Steyn, <u>S.P. Bester</u> Flowering Plant Families of southern Africa.	

Wednesday

19 January 2022

9:00 – 9:45	Chair: Prof Oziniel Ruzvidzo Plenary Lecture: Dr Matt Buys Title: Being ready when opportunity knocks: From DNA barcoding and honey to the phylogenomics of New Zealand <i>Leptospermum</i> and <i>Kunzea</i> (Myrtaceae).
9:45 – 10:00	Comfort break

	Session 1: Ethnobotany Chair: Dr Idah Manduna	Session 2: Plant Physiology/Biochemistry Chair: Prof Sandra Barnard
10:00-10:20	<u>O.A. Idris</u> , N. Kerebba, S. Horn, M.S. Maboeta, R. Pieters Phytochemical profile of the extracts of <i>Bidens pilosa</i> and its correlation with cell proliferation, antioxidant, and larvicidal activity.	<u>S. Masukume</u> , J.M Berner, W.J. Weeks Tracking chlorophyll a fluorescence as an indicator of crop growth efficiency in <i>Amaranthus cruentus</i> .
10:20-10:40	<u>N. Khoza</u> , S. Dukhan P. Ramalepe, I. Risenga An ethnobotanical study of indigenous knowledge and uses of medicinal plants by traditional healers in the rural communities of Nkomazi Local Municipality, Mpumalanga province.	<u>T. Mokgalabone</u> , N. Mutshekwa, S. Mpai, A.R. Ndhkala Growing Okra on an organic medium enclosed trough system improves growth, yield and water-use efficiency.
10:40-11:00	<u>ET. Khunoana</u> , RE. Ramadwa, SM. Nkadimeng, L.J. McGaw Variation in biological activity of <i>Ptaeroxylon obliquum</i> collected in two different geographic regions of South Africa.	<u>M.G.. Mopai</u> , N., Mutshekwa, S., Mpai, and A.R., Ndhkala Improvement of yield and growth in Amaranth species using the organic medium enclosed trough system.
11:00-11:20	<u>K. Masike</u> , A. de Villiers, M.A. Stander Phenolic characterization of <i>Protea</i> pure and hybrid cultivars by liquid chromatography-ion mobility-high resolution mass spectrometry (LC-IM-HR-MS).	M.L., Mokganya, T.M., Makofane, N., Mutshekwa, <u>S., Mpai</u> , A.R., Ndhkala Vegetative growth response of common consumed vegetables in response to different concentrations of an amino acid based bio stimulant.
11:20-11:40	<u>M.J Mabuza</u> , M. Kaiser, M.J. Bapela Antiplasmodial properties of extracts from <i>Pappea capensis</i> Eckl. & Zeyh. (Sapindaceae).	<u>M.H. Netshimbupfe</u> , J. Berner, C. Gouws Drought and heat stress decreases the photochemical efficiency of <i>Amaranthus</i> species.

Wednesday

19 January 2022

	Session 1: Ethnobotany Chair: Dr Idah Manduna	Session 2: Plant Physiology/Biochemistry Chair: Prof Sandra Barnard
11:40-12:00	<u>J.K. Madisha</u> , L.J. McGaw Antibiofilm, antioxidant and anti-inflammatory activity of selected ethno- veterinary plants used in the cure of veterinary dermatological infections.	<u>K.P., Teffo</u> , N., Mutshekwa, S., Mpai, and A.R., Ndhkala The reponse of onion (<i>Allium cepa</i> L.) to amino-acid based plant biostimulant.

12:00-13:00	Lunch
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	Session 1: Ethnobotany Chair: Prof Salome Mahlo	Session 2: Plant Physiology/Biochemistry, plant biotechnology Chair: Prof Dave Berger
13:00-13:20	<u>S.M. Mahlo</u> , T.C. Machaba, D.M. Tlamela, U. Libago Traditional medicine as an alternative source for the treatment of dental diseases in Limpopo Province.	<u>A.A. Alimi</u> , O.T. Ezeokoli, R. Adeleke, A. Moteetee First report of arbuscular mycorrhizal fungal communities associated with the roots of indigenous legumes of South Africa.
13:20-13:40	F.C. Gebashe, <u>N.A. Masondo</u> , D. Naidoo, A.O. Aremu, S.O. Amoo An overview of South African SMMEs contribution to the expanding global cosmeceutical market.	<u>D. Botha</u> , F. Siebert, M. Du Plessis, S. Barnard An <i>rbcL</i> and <i>trnL</i> (UAA) reference database for the identification of food items from herbivorous diets based in a South-African savanna.
13:40-14:00	<u>S.G. Mbanjwa</u> , B-E Van Wyk ¹ An inventory and analysis of medicinal plants use in the Ixopo area of KwaZulu-Natal, South Africa.	<u>A.P. Makhathini</u> , N.Z. Ngobese, N.W. Pammenter Development of fungi decontamination protocols for <i>Trichilia dregeana</i> Sond. seeds: a representative of recalcitrant seeds.
14:00-14:20	<u>A.T Mbebe</u> , P.T Ndhlovu, T. Suinyuy, W. Otang-Mbeng Ethnoveterinary study of medicinal plants used for treating and managing cattle diseases on Nkomazi Local Municipality, South Africa.	<u>G.N. Tsuene</u> , O. Ruzvidzo, B.T. Dikobe Morphological and physiological response of salinity stress on <i>Glycine max</i> .

Wednesday

19 January 2022

	Session 1: Ethnobotany Chair: Prof Salome Mahlo	Session 2: Plant Physiology/Biochemistry, plant biotechnology Chair: Prof Dave Berger
14:20-14:40	<u>N. Mbhele</u> , B. Ncube, A.R. Ndhlala, A.N. Moteetee, S.S.D. Kumar, N.N. Hourel <i>In vitro</i> antioxidant, anti-inflammatory, and wound healing potential of <i>Pentanisia prunelloides</i> and <i>Dicoma anomala</i> polyherbal extract.	B. Mathibe, S.T. Marizane, <u>M.M. Letsoalo</u> , N. Mutshekwa, S. Mpai, A.R. Ndhlala Growing swiss chard and lettuce on an organic medium enclosed trough system improves growth, yield, and water-use efficiency.
14:40-15:00	<u>L.S. Mhlongo</u> , B.-E. Van Wyk The ethnobotany of Zulu ritual plants recorded in the Amandawe area, KwaZulu-Natal.	<u>N. Gumbo</u> , N.Z. Ngobese, A.A. Oskolski, L.S. Magwaza Utilization of post-harvest chemical treatments for extending shelf-life of selected South African potato cultivars.
15:00-15:20	Comfort break	

	Session 1: Ethnobotany Chair: Prof Lyndy McGaw	Session 2: Plant taxonomy/systematics Chair: Dr Mariette Jackson
15:20-15:40	<u>M.M.P Mogale</u> & B.-E. Van Wyk An inventory and analysis of medicinal plants used by the Bapedi in the Limpopo Province, South Africa.	<u>A.A. Ajao</u> , J.S. Boatwright, A.N. Moteetee Systematics of southern Africa species of <i>Rhynchosia</i> (Cajaninae, Phaseoleae, Fabaceae).
15:40-16:00	<u>P. Mokoena</u> , B.E. Van Wyk, A. Moteetee, F.R. Van Herden An inventory and analysis of medicinal plants of the Free State Province, South Africa.	R. Sadler, G.A. Verboom, J. Manning, T. Parker, M. Jackson, J. van Zyl, <u>N.G. Bergh</u> , A.G. Ellis Phylogeny of the southern African marigolds: the daisy tribe Calenduleae.
16:00-16:20	<u>MM Mushomba</u> , JJM Meyer Induced antibiotic resistance and staphyloxanthin as a prospective target for treatment against pathogenic antibiotic resistant staphylococci.	<u>S.P. Bester</u> , L. Joubert In search of the true identity of <i>Nemesia ligulate</i> .
16:20-16:40	<u>P.T Ndhlovu</u> , J.A Asong, A.O. Omotayo, W. Otang-Mbeng, A.O. Aremu Inventory of medicinal plants used to treat and manage childhood diseases and wellbeing in North West Province, South Africa.	<u>T. P. Jaca</u> , A. N. Moteetee The taxonomy and systematics of sections <i>Compressogemmatae</i> and <i>Sericanthae</i> in the genus <i>Millettia</i> (Millettieae: Fabaceae) in Africa and Madagascar.

Wednesday

19 January 2022

	Session 1: Ethnobotany Chair: Prof Lyndy McGaw	Session 2: Plant taxonomy/systematics Chair: Dr Mariette Jackson
16:40-17:00	<u>E.C. Ogbuadike</u> , S.M. Nkadimeng, C.C. Igwe, I.M. Petzer, L.J. McGaw Two Celastraceae and two alien invasive Crassulaceae plant species with potential against mastitis: antibacterial, anti- inflammatory and antioxidant studies.	<u>A. Jakoet</u> , J.S. Boatwright, L. Mucina, D.U. Bellstedt, A.R. Magee Systematics of <i>Cotula</i> : Reflections and challenges of working on a cosmopolitan genus.

Thursday

20 January 2022

9:00 – 9:45	Chair: Prof Oziniel Ruzvidzo Plenary Lecture: Dr Rudo Ngara Title: Sorghum responses to abiotic stresses: fitting one puzzle piece at a time.
9:45 – 10:00	Comfort break

	Session 1: Ethnobotany Chair: Prof B-E van Wyk	Session 2: Plant taxonomy/systematics, plant anatomy Chair: Dr Lize Joubert
10:00-10:20	<u>P.M. Padi</u> , T.L. Olatunji, F. Siebert Evaluation of proximate, mineral, amino acid and antinutritional constituents of <i>Evolvulus alsinoides</i> (L.) L. from northern South Africa.	<u>N. Lombard</u> , M.M. le Roux, B.-E. van Wyk A taxonomic revision of the <i>Thesium scirpioides</i> species complex (Subgenus <i>Frisea</i> , Santalaceae) near endemic to South Africa.
10:20-10:40	<u>F.M. Ralepele</u> , L. Chimuka, K. Ngwira, S. Dukhan, I. Risenga The qualitative phytochemical screening and antioxidant activity of <i>Carpobrotus edulis</i> as a response to extreme temperature extreme.	<u>O. Obose</u> , A.R. Magee, J. Manning, J.S. Boatwright Taxonomy of <i>Epichroxantha</i> , a recent segregate of the genus <i>Gnidia</i> (Thymelaeaceae).
10:40-11:00	<u>R.D. Rattray</u> , B.-E. van Wyk An overview of the ethnobotany and pharmacology of southern African Lamiaceae.	<u>G. Sedimo</u> , M. Jackson, S.P. Bester, L. Joubert Taxonomic revision and molecular phylogenetic analysis of <i>Nemesia</i> species in the Free State.
11:00-11:20	<u>L. Seleteng-Kose</u> ^{1,2} , A. Moteetee ² , S. van Vuuren ³ Ethnobotany and antibacterial activity of medicinal plants used in the Maseru District of Lesotho for the treatment of Tuberculosis and other respiratory tract infections.	<u>H. Grobler</u> , M. Jackson, L. Joubert Nectar spur development in <i>Nemesia</i> Vent. (Scrophulariaceae).
11:20-12:00	<u>K.C. Shilaluke</u> , A. Moteetee An evaluation of insecticidal activities and phytochemical properties of selected members of the family Meliaceae used traditionally as insecticides.	

12:00-13:00	Lunch
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Thursday

20 January 2022

	Session 1: Ethnobotany Chair: Dr Nqobile Masondo
13:00-13:20	<u>E. Siteo</u> , B.-E. van Wyk Spatial patterns and selection of medicinal plants in South-eastern Africa.
13:20-13:40	<u>T.K. Teffo</u> , S. Dukhan, P. Ramalepe, I.M. Risenga Comparative phytochemical analysis, antioxidant and antibacterial activities of the leaves, underground stems and roots of <i>Bulbine abyssinica</i> .
13:40-14:00	<u>T.C. Machaba</u> , S.M. Mahlo, J.N. Eloff Antioxidant and <i>in vitro</i> antifungal activities of selected traditional plants used in ethnomedicine.
14:00-14:20	<u>T.T., Ramavhale</u> , S.M. Mahlo, J.N. Eloff South African medicinal plants used for the treatment of syphilis in Vhembe District, Limpopo Province.
14:20-14:40	<u>S. Chauke</u> , S.M. Mahlo Ethno-medicinal use and antimicrobial activity of potential plant extracts against pathogens causing ear infections.
14:40-15:00	<u>T. Moloj</u> , S. Dukhan, P. Ramalepe, I. Risenga Effects of elevated CO ₂ on the phytochemical profile, antioxidant and antimicrobial activities in <i>Moringa oleifera Lam.</i> and <i>Moringa peregrina Forssk.</i> A comparative study.
15:00-15:10	Comfort break
15:10-16:40	SAAB AGM
16:40-17:40	Prize giving