



ARC-ANIMAL PRODUCTION

BUSH ENCROACHMENT COLLOQUIUM

18 – 20 JUNE 2024

DAY 1: TUESDAY, 18 JUNE 2024

PROGRAMME DIRECTOR: DR IGSHAAN SAMUELS

09:30 - 09:40	Welcoming of guests	Prof. Norman Maiwashe
09:40 - 09:50	Opening of the 1st ARC-AP: RFS Colloquium on Bush Encroachment	Dr. Andrew Magadlela
09:50 - 10:25	Woody weeds and carbon farming: Experiences from Australian rangelands	Dr. Alex Baumber

Tea Break

ECOLOGY AND MANAGEMENT OF WOODY PLANT ENCROACHMENT IN SOUTH AFRICA

PROGRAMME DIRECTOR: MS. MPUMI NTLOKWANA / MR. KLAAS MAMPHOLO

10:55 - 11:20	Woody plant encroachment: National perspective - current and future research direction	Mr. Paul Avenant
11:20 - 11:35	Woody plant encroachment: Limpopo province perspective - current and future research direction	Mr. Leon Manthata/ Mr. Pieter Wagner
11:35 - 11:50	Woody plant encroachment: Gauteng province perspectives - current and future research direction	Mr. Mduduzi Ndlovu
11:50 - 12:05	Woody plant encroachment: Mpumalanga province perspective - current and future research direction	Mr. Norman Magoro
12:05 - 12:20	Woody plant encroachment: Northwest province perspective - current and future research direction	Mr. Mogomotsi Mokuia
12:20 - 12:45	Woody plant encroachment: Botswana perspective - current and future research direction	Dr. Olaotswe Kgosikoma
12:45 - 13:10	Woody plant encroachment: Namibia perspective - current and future research direction - Virtual on MS Teams	Prof. John Mupangwa
13:10 - 13:30	General Discussions	

Lunch Break

EXPLORING THE ECOLOGY AND ALTERNATIVE USE OF ENCROACHING WOODY PLANTS AS FEED FOR LIVESTOCK

PROGRAMME DIRECTOR: DR FRANCOIS MULLER

14:30 - 14:55	Rangeland assessment and monitoring: Earth Observation Perspectives - a keynote speaker	Prof. Abel Ramoelo
14:55- 15:10	Drone technology and woody plant encroachment	Mr. Richard Tswai
15:10 - 15:25	The ARC: Range and Forage Science - Bush encroachment research agenda for South Africa	Dr. Julius Tjelele
15:25 - 15:40	<i>Seriphium plumosum</i> L. encroachment - a review on its ecology and management in South African rangelands	Dr. Gilbert Pule
15:40 - 15:55	Performance and meat quality of Nguni steers fed <i>Seriphium plumosum</i> meal	Dr. Motswapo Phoko

15:55 - 16:10	Resprouting response among savanna tree species in relation to stem size, woody removal intensity and herbicide application	Dr. Piet Monegi
16:10 - 16: 25	Patterns of mature woody plant species density and diversity in the shrub, sapling and seedling layer of the Marikana Thornveld.	Mr. Mziwanda Mangwane
16:25 - 16: 40	Nutritional quality of different woody plant species at different phenological stages	Mr. Nelson Maila
16:40 - 17:00	General Discussions	
Closing Remarks - End of Day One		

DAY 2: WEDNESDAY, 19 JUNE 2024

WOODY PLANT ENCROACHMENT - FARMERS DAY

PROGRAMME DIRECTOR: MR. CLEMENT CUPIDO

09:00 - 9:30	ARC: KyD	Dr. Dan Motiang
Tea Break		
FIELD WORK / PRACTICAL		
10:00 - 13:00	Determining woody species composition, density and cover per area - Field Practical	Mr. Paul Avenant <i>et al.</i>
	Determining herbaceous species composition, density and cover per area - Field Practical	Mr. Lucas Letsoalo <i>et al.</i>
	Analysis of the data collected from the field	Mr. Lucas Letsoalo <i>et al.</i>
	Technology tools to monitor woody plant encroachment - Drone demonstration	Mr. Eric Economon
Lunch Break		
14:00 - 15:30	Demonstration on how to process woody plant material for making animal feed	Mrs. Fortune Manganyi-Valoyi and Mr. Nelson Maila
15:30 - 15:45	Closing remarks	Mr. Klaas Mampholo

DAY 3: THURSDAY, 20 JUNE 2024

BOARDROOM DISCUSSION (LESSONS LEARNED AND WAY FORWARD)

PROGRAMME DIRECTOR: DR MOTSWAPO PHOKO

09:00 – 09:45	Lesson Learnt on Bush Encroachment	Dr. Julius Tjelele
09:45 - 11:45	General discussion on woody plant encroachment – Roadmap <ul style="list-style-type: none"> – Farmers – Extension – Researchers – Departments (Anneliza Collett, Ms. Lydia Bosoga, Mr Joel Mamabolo) – Funding 	Dr. Igshaan Samuels
Tea Break		
12:15 - 12:30	Roadmap Summary	Dr. Igshaan Samuels
12:30 - 12:45	Closing Remarks	Prof. Norman Maiwashe



ARC: THREE DECADES OF AGRICULTURAL INNOVATION!