Nematological Society of Southern Africa
Nematologiese Vereniging van Suidelike Afrika
Private Bag / Privaatsak X1251, Potchefstroom, 2520, South Africa / Suid-Afrika
Chris Hani Avenue / Rylaan 114, Potchefstroom, 2520, South Africa / Suid-Afrika
Tel: (+27 18) 299 6100 | Fax: (+27 18) 294 7146
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THE 22nd SYMPOSIUM OF THE NEMATOLOGICAL SOCIETY OF SOUTHERN AFRICA: GOODERSON KLOPPENHEIM COUNTRY ESTATE, MACHADODORP, MPUMALANGA

12-15 MAY 2019

Second Announcement

It is the privilege of the Mpumalanga Province to host the 22nd Symposium of the Nematological Society of Southern Africa. The organising committee of the 2019 symposium, promise to host an invigorating, fun-filled symposium, set in an amazing venue.

VENUE AND ACCOMMODATION

Gooderson Kloppenheim Country Estate is an ideal country retreat, merely 2-hour's drive from Johannesburg International Airport, OR Tambo, close to Machadodorp off the main route (N4) to the Kruger National Park. Kloppenheim brings old-world charm, attention to detail and pampering to discerning guests wanting an exclusive retreat in an ambience reminiscent of a stately highlands theme. This exquisite estate is located in a climate renowned for its cold, misty winters and crisp summers.

Machadodorp is a small town situated above the escarpment in South Africa's Mpumalanga Province, with the famous Elands River running through the town.

There is a natural radioactive spring, which is reputed to have powerful healing qualities. Like most of the towns in this area such as Dullstroom, the key to their popularity and success is its natural beauty and quaint nature. Fly-fishing is a big attraction and the town caters well to visitors of all kinds regardless of the reason for stopping by and will leave a warm spot in your heart by the time you leave.

The hotel boast 14 beautiful twin lakeside suites, 20 gorgeous twin estate rooms and 10 elegant 2 bedroomed self-contained lodges each with its own magnificent view of the rolling hills. There are three stylish conference venues, a large theatre for events, dining room, private dining room, breakfast terrace, colonial style lounge, library, pub, restaurant and a spa where guests can relax and rewind.

The fees for this symposium is very reasonable and includes all breakfasts, lunches and dinners. There are enough accommodation available at the venue but if you wish, you may look around for other accommodation in the area. http://www.kloppenheim.co.za

Organising committee

Mieke Daneel	e-mail: mieke@arc.agric.za
MC Pretorius	e-mail: mc@cri.co.za
Willem Steyn	e-mail: willems@arc.agric.za
Ethné Cameron	e-mail: ethne@goingafrica.co.za

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REGISTRATION

Completed registration forms should be e-mailed to Dr. Mieke Daneel at mieke@arc.agric.za or Willem Steyn at willems@arc.agric.za. Early bird registration should be completed by 16 December 2018. The standard registration deadline is 15 March 2019. Thereafter late registration rates will apply. An invoice (with all relevant costs and banking details) will be issued to delegates upon receiving completed registration forms

1 Early Bird Registration (before 16 December 2018)	R 2300.00
2 Standard Registration (before 15 March 2019)	R 2800.00
3 Late Registration (After 25 March 2019)	R 3500.00
4 Student Registration	R 1800.00

SYMPOSIUM REGISTRATION FEES

The registration fee includes:

- Full symposium package of lunch, morning and afternoon teas with refreshments
- Attendance to all symposium sessions
- All symposium materials
- Welcoming function and Gala dinner
- Symposium bag / Document holder
- Full use of symposium facilities at the venue
- Certificate of attendance and or authorship
- Program and abstract book

PLEASE NOTE: Registration fees does **not** include NSSA membership fees of R2000.00 per member.

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ACCOMMODATION FEES

Single: R 6320.00 for 4 nights

Sharing: R 5000.00 for 4 nights

Please be advised that single accommodation imply having your own room with a bathroom.

Sharing accommodation implies sharing a room with another person and sharing a bathroom with that person.

ABSTRACT SUBMISSION

Abstracts should be submitted to Mieke Daneel or Willem Steyn via e-mail no later than 31 January 2019. See attached abstract submission form for details.

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Type abstracts into the box below (Arial 11 pt., single spacing) and submit via e-mail to mieke@arc.agric.za . Please cc Willem Steyn (willems@arc.agric.za). See example below.

Oral presentation [X] Poster [ ] Student [ ]

EXAMPLE:

ENTOMOPATHOGENIC NEMATODES (STEINERNEMATIDAE AND HETERORHABDITIDAE) FROM THE NORTH-EASTERN PARTS OF SOUTH AFRICA AND THEIR BIOCONTROL POTENTIAL AGAINST THE FALSE CODLING MOTH, *THAUMATOTIBIA LEUCOTRETA* (LEPIDOPTERA: TORTRICIDAE)

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A survey was conducted to determine the diversity and frequency of endemic entomopathogenic nematodes (EPN) in subtropical fruit tree crops in the Mpumalanga, Limpopo and Kwa-Zulu Natal provinces of South Africa. A total of 136 soil samples were randomly taken from cultivated and uncultivated habitats, including subtropical fruit tree crops (avocado, litchi, macadamia, mango and guava) and natural vegetation. EPNs were isolated from 14 samples (10.3 %) by baiting with the larvae of *Tenebrio molitor* (mealworm). *Heterorhabditis* was the most common genus isolated from 12 samples, while *Steinernema* species were isolated from two samples. The most common *Heterorhabditis* isolated were *Heterorhabditis noenieputensis* and *H. zealandica* which were both isolated from four different localities. Other species recovered were two unknown *Heterorhabditis* sp. and two *Steinernema* species, both unknown species. Laboratory bioassays, using 24-well bioassays plates were conducted to determine the potential of local EPNs to control the false codling moth (FCM). Last instar larvae of FCM were screened for susceptibility to seven nematode species. Six of the nematodes species were obtained during the survey and one, *S. yirgalemense,* was obtained from the nematode collection of the University of Stellenbosch. Last instar FCM larvae were found to be most susceptible to *S. yirgalemense*, an unidentified *Steinernema* sp. (WS9) and *H. zealandica* (WS23), causing 100%, 94% and 94% mortality respectively.