



1ST PAN -AFRICAN NEMATOLOGY NETWORK (PANEMA) WORKSHOP

Hosted by Moi University

at

EKA Hotel from 23rd to 25th February 2022

ELDORET

Online sessions: Join Zoom Meeting

<https://zoom.us/j/96584726422?pwd=bEtJTTNyY3FEZkoyN2MyN3RpN2s3dz09>

Meeting ID: 965 8472 6422

Passcode: 454897

ARRIVAL

TUESDAY 22ND FEBRUARY 2022

| | | |
|-------------------|-------------------------|-------------|
| 18:00 hrs onwards | Arrival of participants | Secretariat |
|-------------------|-------------------------|-------------|

DAY ONE

WEDNESDAY, 23RD FEBRUARY 2022

Chair: Prof. John Githaiga

Rapporteur: Wim Bert / Mieke Daneel (session 2C & 3C)

| TIME (EAT) | ACTIVITY | RESPONSIBLE |
|------------------|----------------------------|--|
| 08:00 – 8:30 hrs | Registration | Secretariat |
| 08:30 – 8:35 hrs | Arrival of Vice Chancellor | Prof. John Githaiga |
| 08:35 – 8:50 hrs | Welcoming & Introductions | Prof. Ambrose Kiprop, Dean School of Science |
| 08:50 – 9:00 hrs | Official Opening | Prof. Isaac S. Kosgei, Vice Chancellor, MU |
| 9:00 – 9:15 hrs | Nemedussa and PANEMA | Dr. Njira Njira Pili |

SESSION 1

AWARENESS OF NEMATODES

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|--------------------------|-------------------------------|--|
| 09:15 – 9:45 hrs | The importance of nematology | Prof. Danny Coyne / Prof. Herbert Talwana |
| 09:45 – 10:30 hrs | Presentations and discussions | Honourable CeCs Uasin Gishu, Nandi, Bogoma, Kakagema |
| 10:30 – 10:40 hrs | Group Photograph | Secretariat |
| 10:40 - 11:00 hrs | HEALTH BREAK | Secretariat |

SESSION 2

INTERACTIVE TEACHING AND LEARNING/INFORMATION SHARING

| Session 2A | Session 2B | Session 2C (live streaming) |
|-------------------|------------|-----------------------------|
| MAIN HALL | | BREAKOUT ROOM 1 |
| 11:00 – 12:30 hrs | | 11:00 – 12:30 hrs |

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| For training facilitators For students 11-12h: Presentation of Nemedussa BSc course unit nematology and NDLP: e-book testing, feedback & sharing experiences <ul style="list-style-type: none"> • Prof. Wim Bert / Inge Dehennin (UGent) 12-12h30: Introduction to what is active learning + example <ul style="list-style-type: none"> • Prof. Laura Cortada | | For staff in agricultural extension Introduction <ul style="list-style-type: none"> • Dr. Mieke Daneel (Agricultural Research Council, South Africa) Nematode Awareness in agricultural extension <ul style="list-style-type: none"> • Prof. Danny Coyne (IITA, Kenya) Bridging the gap: Are we reaching the farmer? + discussion |
| 12.30 – 13:30 hrs | LUNCH BREAK | Secretariat |
| SESSION 3 | | |
| 13:30 – 16:30 hrs | | |
| Session 3 A BREAKOUT ROOM 2 | Session 3 B: (live STREAMING) MAIN HALL | Session 3 C BREAKOUT ROOM 1 |
| For training facilitators | For students (Wim Bert) | For staff in agricultural extension |
| Innovative and activating learning techniques: Wooclap & Camtasia <ul style="list-style-type: none"> • Prof. Laura Cortada (VIB) • Francis Kawalya • Inge Dehennin (UGent) | Student survival kit in nematology 13:30-14:30 hrs: Introduction to R - online <ul style="list-style-type: none"> • Dr. Misghina G Teklu (Wageningen University/Ghent University) 14:30-14:40 hrs: Wim Bert 14:40-15:20 hrs: Demystifying Scientific Publications – online <ul style="list-style-type: none"> • Prof. Roland Perry (University of Hertsforshire/Ghent University) 10” health break Session on employment opportunities/entrepreneurship 15:30 – 16:00hrs: Talk from the private sector and interactions – online | 1. Understanding farmer and extension service provider’s opinions (perceptions) about the impact of nematodes and their influence in crop production 2. A public and private sector review (validation) of the CABI nematology curriculum <ul style="list-style-type: none"> • Peter Karanja • Fernandis Makale • Henri Mibei (CABI Kenya) |

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| | <ul style="list-style-type: none"> Stefan van Zyl (Syngenta SA) <p>16:00 – 16:30hrs: Starting a nematology business in Senegal - online</p> <ul style="list-style-type: none"> Dr. Sidy Diakhate (Green Agro Consulting) <p>16:30-17:00: Nematology basic lab experiments</p> <ul style="list-style-type: none"> Dr. Rahim Hassanaly-Goulamhousen & Prof. Pierre Abad (University Côte d' Azur) | |
| 17:00 – 17:45 hrs | HEALTH BREAK | Secretariat |
| 17:45 – 18:30 hrs | Wrap up of the day: Results, discussions about challenges and experiences | Introduction by Prof. John Githaiga Presenters to be selected <ul style="list-style-type: none"> Session A (10’) Session B (10’) Session C (10’) |
| END OF DAY ONE | | |
| DAY TWO THURSDAY, 24TH FEBRUARY 2022 MAIN HALL | | |
| Chair: Danny Coyne | | Rapporteur: Inge Dehennin |
| 08:00 - 8:45 hrs | Registration | Secretariat |
| FROM THE FIELD TO THE LAB AND BACK: DATING THE NEMATOLOGIST | | |
| 09:00 – 9:15 hrs | Welcoming and the importance of networking and consulting experts in nematology | <ul style="list-style-type: none"> Prof. Danny Coyne (IITA, Kenya) |
| SESSION 1 | | |
| 09:15 – 10:45 hrs | Expert market Students and agricultural extension workers to interact and to briefly discuss research, problems,... with the experts | Topics: Management PPN, Nematology education, Nematode identification (morphology and molecular), EPNs/beneficial nematodes for biocontrol, PPN symptoms, Nematodes as bio-indicators |
| 10:30 – 11:00hrs | HEALTH BREAK | Secretariat |
| SESSION 2: ONLINE STREAMING | | |
| 11:00 – 12:00 hrs | Book presentation on <i>Integrated Nematology Management</i> (CABI Nov 2021) followed by questions and discussion Plenary Discussion | <ul style="list-style-type: none"> Dr. Johan Desaegeer (University of Florida) (15min presentation, 45min discussion) |
| 12:00 – 13:45 hrs | LUNCH BREAK | Secretariat |
| 12:45 | Departure to Moi University (max. 50) | Participants session 3 A --> 3 D (take health break package) |

SESSION 3

14.00 – 18.00 hrs

Parallel workshops @ EKA or Moi University

| Session 3A | Session 3B | Session 3C | Session 3D |
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| <p>Demonstration beneficial nematodes (EPN) application in the field (max. 10p)</p> <ul style="list-style-type: none"> Beth Waweru (MoiU, Kenya) | <p>Pre-course work required; Identification of 5 PPN (max. 10 p)</p> <ul style="list-style-type: none"> Prof. Wim Bert (UG) Prof. Beira H. Meressa (JU) | <p>Pre-course work required Molecular TB (max. 10 p): <i>DNA extraction, PCR, gel (until 18h)</i></p> <ul style="list-style-type: none"> Minne De Clercq (UG) Emmanuel Olajide (UG) | <p>Pre-course work required EPN (max. 10 p) <i>EPN sampling, trapping, White trap preparation, Harvesting and storage for laboratory use, life cycle EPN, determine concentration nema's in inoculum</i></p> <ul style="list-style-type: none"> Prof. Antoinette Malan (SUN, SA) |
| Session 3 E: LIVE STREAMING | Session 3 F BREAKOUT ROOM 1 | | |
| <p>CABI Workshop: Putting nematological research into use via CABI digital tools and knowledge platforms</p> <p>CABI Kenya:</p> <ul style="list-style-type: none"> Peter Karanja, Fernandis Makale Henri Mibei | <p>Next Generation Sequencing: data analysis</p> <ul style="list-style-type: none"> Prof. Pierre Abad (UCA) Dr. Rahim Hassanaly-Goulamhousen (UCA) | | |

18.00 – 18.30 hrs

HEALTH BREAK

Secretariat

END OF DAY TWO

**DAY THREE: LIVE STREAMING
FRIDAY, 25TH FEBRUARY 2022
MAIN HALL**

Chair: Francis Onyilo

Rapporteur: Laura Cortada

08:00 - 9:45 hrs

Registration + PCR tests

Secretariat

10:00 – 10:10 hrs

Welcoming Remarks

• Dr. Francis Onyilo (Muni University, Uganda)

SESSION 1

RESEARCH, TRAINING AND DISSEMINATION IN NEMATODOLOGY

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| 10:10 – 11:00 hrs | <p>Social media platforms: powerful tools to interact and disseminate information</p> <p>Brainstorming and discussions to optimize the use of SLACK and other social media platforms in disseminating nematology and promoting collaboration in Africa</p> | <ul style="list-style-type: none"> • Prof. Biodun Claudius Cole (University of Ibadan, Nigeria): introduction • David Pires (INIAV, I.P. & MED/University of Évora) presentation (online) • Raymond Collett (NWU, South Africa) Presentation of Panema SLACK platform |
| 11:00 – 11:30 hrs | HEALTH BREAK | Secretariat |
| SESSION 2 | | |
| 11:30 – 11:35 hrs | <p>Enhancing root and soil health through training, research and dissemination of information</p> <p>Introduction</p> | <ul style="list-style-type: none"> • Dr. Solveig Haukeland (icip, Kenya) |
| 11:35 – 12:05 hrs | <p>Students to share information regarding their projects focusing specifically on training, research and dissemination of information.</p> <ul style="list-style-type: none"> • Helen Gichinga | <p>20 min Presentation + 10 min for questions</p> <p>Screening of selected potato varieties for resistance against potato cyst nematode in Kenya</p> |
| 12:05 – 12:35 hrs | <ul style="list-style-type: none"> • Tarekegn M. Mekuria | Diversity of plant parasitic nematodes associated with major tomato (<i>Solanum lycopersicum</i>) producing districts of Jimma zone |
| 12:35 – 13:05 hrs | <ul style="list-style-type: none"> • Simon Waweru Sirengo | African indigenous vegetable and resistant potato variety have the potential to manage potato cyst nematodes |
| 13:05 – 14:00 | LUNCH BREAK | |
| SESSION 3 | | |
| 14:00 – 14:45 hrs | <p>Student Pitch Presentations showcase of research (3-5 min)</p> | <ol style="list-style-type: none"> 1. Khaoya Chrisantus 2. Francina Lesego Matlala 3. Stanley Kiptoo 4. Brenda Kinanu 5. Kikelomo Ogunjimi 6. Blorine Jebet 7. Camel Fassinou Gbenanto 8. Jean Kosgei |
| 14:45 - 15:00 hrs | <p>Appreciation by 3 participants about day 2 and 3</p> | <p>Introduction by Prof. Hendrika Fourie – 3 participants to be selected – 5 min each</p> |
| 15:00 – 15:30 hrs | <p>Way forward and ideas for 2nd PANEMA workshop</p> | <ul style="list-style-type: none"> • Prof. Antoinette Malan |
| 15:30 – 15:45 | <p>Closing Remarks from Moi University</p> | <ul style="list-style-type: none"> • Deputy Vice Chancellor (Academic Research and Extension) |
| 15:45-16:00 | <p>Vote of Thanks</p> | <ul style="list-style-type: none"> • Prof. Wim Bert (UGent) • Prof. John Githaiga (Moi University) • Dr. Njira Njira Pili (Moi University) |
| 16:00 – 17:00 hrs | <p>Fun Activities / Games</p> | Secretariat |

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| 18:30 – 22:00 hrs | Dinner party <ul style="list-style-type: none">• Certificates• Lottery Winners | Secretariat |
| | END OF DAY THREE | |
| CLOSE OF WORKSHOP | | |