



# THE 62<sup>ND</sup> ANNUAL MEETING OF THE SOCIETY OF NEMATOLOGISTS



**Wine and Cheese Poster Session** (*Sponsored by Velum / Bayer*)

4:40 - 6:40 PM

**Performance Hall**

1. UNEARTHING THE HIDDEN WORLD: EXPLORING THE ENDOSYMBIONTS IN NEMATODE COMMUNITIES THROUGH SOIL SAMPLING. **Kaur, Amandeep, and A. M. V. Brown.**
2. DISCOVERY AND INITIAL ANALYSIS OF A NOVEL RHABDOVIRUS ASSOCIATED WITH THE IDAHO POPULATION OF THE POTATO CYST NEMATODE *GLOBODERA PALLIDA*. **Kud, Joanna, J. Dahan, G. E. Orellana, L. M. Dandurand, and A. V. Karasev.**
3. LITERATURE REVIEW OF NEMATICIDAL BACTERIA HELPS TO IDENTIFY NEW STRAINS TO SCREEN WITH MULTIPLE POTENTIAL MODES OF ACTION. **Steger, Callie, and J. P. Jensen.**
4. BIOLOGICAL CONTROL OF SOYBEAN CYST NEMATODE BY BENEFICIAL FUNGI. **Kunwar, Vijay, M. C. Aime, and L. Zhang.**
5. LEAF GALLS INDUCED BY *DITYLENCHUS GALLAEFORMANS* SUPPORT GREATER BACTERIAL DIVERSITY AND DIFFERENT SPECIES COMPOSITION THAN HEALTHY LEAVES IN *MICONIA* SPP. **Azevedo de Oliveira, Samara, B. J. Campbell, P. Agudelo, and S. J. DeWalt.**
6. NEMATODE DIVERSITY IN SUSPENDED CANOPY SOILS OF THE PACIFIC NORTHWEST. **Moats, Zachary E., J. L. Kane, J. B. Kotcon, K. Mafune, and E. M. Morrissey.**
7. INVESTIGATING THE RELATIONSHIP BETWEEN SOIL NEMATODE RESPONSE AND HERBICIDE SENSITIVITY OF HEMP (*CANNABIS SATIVA*). **Ralston, Timothy, S. Mondal, A. Essman, M. Kelly, and H. D. Lopez-Nicora.**
8. RELATIONSHIP BETWEEN SOYBEAN CYST NEMATODE AND SOIL TEXTURE IN OHIO. **Small, Ambria, T. Ralston, S. Mondal, and H. D. Lopez-Nicora.**

9. IDENTIFICATION, CHARACTERIZATION AND VALIDATION OF RENIFORM NEMATODE (*ROTYLENCHULUS RENIFORMIS*) RESISTANCE IN SOYBEANS. **Kiarie, Lucy, and T. Watson.**
10. *MELOIDOGYNE ENTEROLOBII*, AN EMERGING REGULATED QUARANTINE NEMATODE SPECIES IN THE EUROPEAN UNION. **Kiewnick, Sebastian.**
11. REPRODUCTION OF *PRATYENCHUS SCRIBNERI* AND *P. PENETRANS* ON SEVEN CULTIVARS OF INDUSTRIAL HEMP. **Kotcon, James, and N. Alvarado.**
12. SOUTHERN ROOT-KNOT NEMATODE DEVELOPMENT IN NEWLY IDENTIFIED MG4 RESISTANT SOYBEANS. **Santos Rezende, Josielle, and T. T. Watson.**
13. NONDESTRUCTIVE ASSESSMENT OF *ROTYLENCHULUS RENIFORMIS* RESISTANCE IN *GOSSYPIUM* SPP. **Stetina, Salliana R., and J. E. Erpelding.**
14. EROSION OF POTATO RESISTANCE TO *GLOBODERA PALLIDA*. **Amiri, Zahra-Bita and L. M. Dandurand.**
15. POTATO CYST NEMATODES IN KENYA. **Orage, Calvince, D. L. Coyne, L. M. Dandurand, S. Haukeland, J. Jones, and C. Opperman.**
16. EVALUATION OF WINTER COVER CROPS FOR HOST SUITABILITY OF *MESOCRICONEMA XENOPLAX*. **Alarcon-Mendoza, Ivan, C. Khanal, and D. Harshman.**
17. IDENTIFICATION AND CHARACTERIZATION OF PUTATIVE EFFECTORS FROM *MELOIDOGYNE CHITWOODI*. **Bali, Sapinder, P. Vieira, and C. Gleason.**
18. VIRULENCE DIVERSITY OF SOYBEAN CYST NEMATODE IN MINNESOTA. **Docherty, Lauren, A. Lorenz, and S. Chen.**
19. NITROGEN AND BIOMASS CHANGES IN TOMATO UNDER CO<sub>2</sub> AND NEMATODE STRESS. **Hughes, Kody, S. Mishra, G. Keating, and P. M. DiGennaro.**
20. GENOME SCAN FOR SELECTION SIGNATURES REVEALS CANDIDATE VIRULENCE GENES OF *HETERODERA GLYCINES* ON RESISTANT SOYBEAN. **Kwon, Khee –Man, J. P. G. Viana, K. K. O. Walden, M. E. Hudson, and M. G. Mitchum.**
21. POPULATION DYNAMICS OF PLANT-PARASITIC NEMATODES AFFECTING GOLF COURSE TURFGRASS IN SOUTH FLORIDA. **Larkin, Jacob, W. Crow, M. Schiavon, and A. Hajihassani.**

22. UTILITY OF SOIL SAMPLES TAKEN IN EARLY JANUARY FOR DETECTING AND PREDICTING DAMAGE FROM PLANT-PARASITIC NEMATODES IN SOUTH CAROLINA. **Ahmed, Saleh M., T. Fickling, W. Bonnette, and J. D. Mueller.**
23. IRON NANOPARTICLE AND BIOLOGICAL NEMATICIDE AGENT IN THE MANAGEMENT OF *MELOIDOGYNE JAVANICA* IN SOYBEAN. **Benedetti, Tatiana, and I. A. Zasada.**
24. PAPAYA GROUND SEED AS A BIOFUMIGANT AGAINST ROOT-KNOT AND RENIFORM NEMATODES IN HAWAII. **Braley, Lauren and K. -H. Wang.**
25. MULTI-YEAR, FIELD EVALUATIONS OF FUMIGANT AND NON-FUMIGANT NEMATICIDES FOR MANAGEMENT OF *MELOIDOGYNE ENTEROLOBII* IN SWEETPOTATO PRODUCTION IN NORTH CAROLINA. **Gorny, Adrienne, P. B. Jeffreys, K. Cox, and J. Dotray.**
26. FIELD EFFICACY OF NEMATICIDAL COMPOUNDS AGAINST THE SPIRAL NEMATODE, *HELICOTYLENCHUS MICROLOBUS* ON TURFGRASS IN KOREA. **Kwon, Chanki, A. O. Mwamula, O. G. Kwon, and D. W. Lee.**
27. DISTRIBUTION, ABUNDANCE, AND VIRULENCE PROFILE OF SOYBEAN CYST NEMATODE (SCN) IN OHIO. **Newman, Emma, Z. Ralston, A. Dorrence, and H. Lopez-Nicora.**
28. A NEW BIOLOGICAL PRODUCT SHOWS PROMISING CONTROL OF THE NORTHERN ROOT-KNOT NEMATODE, *MELOIDOGYNE HAPLA*, IN GREENHOUSE TOMATOES. **Palmisano, Abigail, E. Darling, H. Chung, and M. Quintanilla-Tornel.**
29. EFFECTS OF ANAEROBIC SOIL DISINFESTATION ON ROOT-KNOT NEMATODES IN GREENHOUSE IN NORTH CAROLINA. **Sanabria-Velazquez, Andres D., A. Gorny, T. Adhikari, and F. Louws.**
30. AN INVESTIGATION OF MANAGEMENT STRATEGIES TO MITIGATE ORCHARD REPLANT DISORDER IN CHERRY ORCHARDS. **Yaghoubi, Ali, R. Yazdani, and M. Quintanilla.**
31. COMPOST APPLICATION AS A SUSTAINABLE APPROACH TO MANAGING SOYBEAN CYST NEMATODES IN CORN-SOYBEAN ROTATIONS. **Yazdani, Razieh, S. Thapa, A. Yaghoubi, A. D. Howland, and M. Quintanilla.**
32. ABUNDANCE AND DISTRIBUTION OF PLANT PARASITIC NEMATODES IN HOP YARDS IN MICHIGAN. **Usman, Muhammad, E. Darling, A. Palmisano, L. Núñez-Rodríguez, I. A. Zasada, H. Chung, and M. Quintanilla-Tornel.**

33. CONSTRUCTION OF ESOPHAGEAL CONNECTOME OF *HETERODERA GLYCINES*. **Han, Jaeyeong, G. Warner, U. Reuter-Carlson, and N. E. Schroeder, N. E.**
34. PATHOTYPE AND VIRULENCE OF *GLOBODERA* SPECIES FROM PERU TO ASSESS DIVERSITY OF SOUTH AMERICAN POPULATIONS. **Bhatta, Bhupendra, and L. M. Dandurand.**
35. CHARACTERIZATION OF *DIPLOGASTEROIDES* SP., A CRYPTIC POPULATION OF THE *HASLACHERI* GROUP; AND *PARASITORHABDITIS TEREBRANUS* ASSOCIATED WITH *MONOCHAMUS ALTERNATUS* FROM KOREA. **Mwamula, Abraham Okki, S. M. Lee, Y. H. Jung, H. W. Lee, Y. S. Kim, Y. H. Kim, and D. W. Lee.**
36. ON A NEW SPECIES OF NEEDLE NEMATODE *LONGIDORUS* (NEMATODA: LONGIDORIDAE) FROM MARYLAND AND CALIFORNIA, USA. **Handoo, Zafar, M. Kantor, and S. Subbotin.**
37. MOLECULAR AND MORPHOLOGICAL CHARACTERIZATION OF *BOLEODORUS VOLUTUS* FROM MEDICINAL HEMP IN MARYLAND. **Skantar, Andrea M., Z. A. Handoo, M. R. Kantor, M. N. Hult, S. Li, and L. K. Carta.**
38. A NUMBERS GAME: COMPARING TURFGRASS NEMATODE ASSAY EFFICIENCIES FROM TEN STATE LABS. **Tucker, M. Aaron, D. S. McCall, and J. D. Eisenback.**
39. BIOLOGICAL-BASED PEST MANAGEMENT OF SPOTTED WING DROSOPHILA, *DROSOPHILA SUZUKII* USING INSECT PATHOGENIC NEMATODES AND FUNGI. **Thapa, Rambika, M. Usman, M. Quintanilla-Tornel, and R. Isaacs.**
40. IDENTIFICATION AND EVALUATION OF THE PATHOGENICITY OF ENTOMOPATHOGENIC NEMATODES IN HAITI FOR THE PRODUCTION OF BIO-PESTICIDE. **Micodeme, Esterlin.\**
41. CHARACTERIZATION OF A SOYBEAN MITOGEN-ACTIVATED PROTEIN KINASE KINASE THAT REGULATES DEFENSE RESPONSE DURING SOYBEAN CYST NEMATODE INFECTION. **Hawk, Tracy, S. Piya, S. Zadegan, P. Li, J. Rice, and T. Hewezi.**
42. INTERCEPTION OF ROOT LESION NEMATODES, *PRATYLENCHUS BOLIVIANUS* (NEMATODA, PRATYLENCHIDAE), ON THE ALSTROEMERIA SP. PLANTS FROM THE NETHERLANDS. **Sun, Fengcheng, C. Grenier<sup>1</sup>, B. Pearce, R. Alfeche, Q. Yu.**