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Department of Entomology
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Experience

Joined Kerala Agricultural University as Assistant Professor (Entomology) in the year 1990

Education

- Graduated in Agricultural Science from Kerala Agricultural University (1986)
 - Post Graduation from Kerala Agricultural University (1989)
 - Ph.D from Kerala Agricultural University (2000)
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Area of Specialization

Pest management

Research Projects

Completed 3

Publications

1. **Anitha, N** and Rajamony, L. 1991. Occurrence of *Prodromus clypeatus* Dis. (Heteroptera: Miridae) on banana (*Musa* sp.) in India a new record. Tropical Pest management. 37:439.
2. **Anitha, N.**, Charles, J. S. K and Rajamony, L. 1992. Effect of sucker treatment with insecticides on incidence of banana rhizome weevil (*Cosmopolites sordidus*) Indian Journal of Agricultural Sciences. 62; 572-73
3. Rajamony, L., George, K. C. **Anitha, N** and Radhakrishnana, T. C. 1993 Stability and adaptation of banana clones belong to AAA group. The Planter. 69. 343-353
4. Rajamony, L., **Anitha, N.**, Radhakrishnana, T. C and George, K. C. 1993 Stability analysis of the diploid banana clones. Golden Jubilee Symposium organized by Horticultural Society of India. Bangalore. May 24th to 28th 1993

5. Rajamony, L., **Anitha, N** and Radhakrishnana, T. C. 1993. Evaluation of popular clones of plantain (*Musa* AAB group) in the humid tropics. Golden Jubilee Symposium organized by Horticultural Society of India. Bangalore. May 24th to 28th 1993
6. Pillai, K.S., Nair, V. M., Meera, M., Krishnakumar, R., **Anitha, N** and Anilkumar, A. S. 1994 Prospects of intercrop mulberry in cocoon production. International conference on sericulture. Bangalore October 25th to 29th. 1994
7. Sheela, M. S., **Anitha, N** and Kuriyan K. J. 1994. Effect of different levels of root knot nematode on the growth and yield of bhindi. 15th Annual Sess. Acad. Environ. Biol. Held at Thiruvananthapuram 1994
8. Rajamony, L., George, K. C. **Anitha, N** and Radhakrishnana, T. C. 1994. Assessment of banana (*Musa x paradisiaca*) clones of AAB group based on stability and adaptation. Indian Journal of Agricultural Science. 64. 521-526
9. Anilkumar, A. S., Nair, N. M., Pillai, K. S., **Anitha, N** and Krishnakumar, R. 1994 Intercropping mulberry with coconut under rainfed conditions. Indian silk. 33:17-18
10. Rajamony, L., George, K. C., **Anitha, N** and Radhakrishnana, T. C. 1995 Variability of yield and yield componenets in the ABB group of banana. The Planter. 71: 161-168
11. Hebsybai., Sheela M. S., **Anitha, N** and Kuriyan K. J. 1995 Seedling root dip an economically feasible nematode management strategy for brinjal. Horti- National 95. Thiruvananthapuram. 23 - 24 Jan. 1995
12. Sheela M. S., Hebsybai and **Anitha, N**.1995 Integrated management of plant parasitic nematodes in banana Horti- National 95. Thiruvananthapuram. 23 - 24 Jan. 1995
13. Hebsybai, Sheela M. S and **Anitha, N**. 1996 Nematodes associated with banana in southern districts of Kerala. Symposium on Technological advancement in banana/ plantain production and processing India International Thrissur. August 20th to 24th 1996
14. Rajamony, L., **Anitha, N** and Menon, R. 1996 Identifying diploid banana for increased yield and adaptability. Symposium on Technological advancement in banana/ plantain production and processing India International Thrissur. August 20th to 24th 1996
15. Sheela, M.S., Hebsybai and **Anitha, N**. 1996. Ecofriendly management strategies for the burrowing nematode in Kerala. Symposium on Technological advancement in banana/ plantain production and processing India International Thrissur. August 20th to 24th 1996
16. Sheela, M.S., Hebsybai and **Anitha, N**. 1996. Nematodes associated with medicinal and aromatic plants in Kerala. 8th Kerala Science Congress. 231-232

17. Sheela, M.S., Hebsybai., **Anitha, N** and Kuriyan K. J. 1996. Nemic association in paddy and their management. National symposium on technological advancement in rice production. Thrissur. June 17th to 19th 1996.
18. **Anitha, N.**, Arthur Jacob, J and Hebsybai. 1996. Pathogenecity of reniform nematode (*Rotylenchulus reniformis*) on cowpea (*Vigna unguiculata*) 8th Kerala Science Congress. 231-232
19. **Anitha, N.**, Rajamony, L and Pillai, J. S. 1996. Sources of resistance in banana against rhizome weevil and nematodes. Symposium on Technological advancement in banana/plantain production and processing India International Thrissur. August 20th to 24th 1996
20. **Anitha, N.**, Rajamony, L and Radhakrishnana, T.C 1996 Reaction of banana clones against major biotic stress. *The Planter*. 72. 315-321
21. Rajamony, L., **Anitha, N** and Pillai, S.J. 1996 Clonal selection in banana for stability and adaptation 2nd International Crop Science Congress Nov. 17-24, 1996 New Delhi, India
22. **Anitha, N** and Arthur Jacob J. 1997 Concomittant effect of root- knot nematode *Meloidogyne incognita* and reniform nematode *Rotylenchulus reniformis* on cowpea 9th Kerala Science congress. 190-191
23. **Anitha, N.**, Nair, G. M and Mathai, S. 1998. *Metarhizium anisopliae* (Met.) Sorokin as a biocontrol agent of *Odoiporus longicollis* Oliv. (Coleoptera: cuculionidae) *Insect Environment* 4: 97
24. Anith, K. N and **Anitha, N.** 1999. Incidence of *Notolopus posticus* Wlk. (Lymantridae: Lepidoptera) on *Tuja occidentalis*. *Insect Environment*. 4: 118
25. **Anitha, N.**, Nair, G. M and Mathai, S. 1999. *Mucor heimalis f. heimalis* a new fungal pathogen of banana pseudostem borer, *Odoiporus longicollis* Oliv. (Coleoptera: curculionidae) *Insect Environment* 5: 81
26. **Anitha, N.**, Nair, G. M., Mathai, S. and Regirani, O. P 1999. A new fungal pathogen of banana pseudostem borer, *Odoiporus longicollis* Oliv. (Coleoptera: curculionidae) *Insect Environment* 5: 80
27. **Anitha, N.**, Nair G. M and Mathai, S. 2000 Biocontrol in banana pseudostem borer (*Odoiporus longicollis* Oliv.) using *Metarhizium anisopliae* (Met.) Sorokin. 12th Kerala Science Congress. 441-444
28. **Anitha, N.**, Nair G. M and Peethambaran C. K. 2000 Fungal pathogens associated with banana pseudostem weevil, *Odoiporus longicollis* Oliv. *Entomocongresss* 2000. Abr.73

29. Beevi, S. N., Mathew, T. B., Nalinakumari, T., **Anitha, N** and Visalakshi, A. 2000 Extent of pesticide residues in Total diet samples in Thiruvananthapuram. Entomocongresss 2000. Abr.21
30. Devnesan, S., Shilaja,K.K., **Anitha, N.**, Premila K.S and Bennet, R. 2002 Occurrence of *Varroa jacobsoni* Oudemans (Acarina: Varroidae) on *Apis mellifera* Linn. colonies in Kerala. Indian Bee Journal. 64 : 65-67
31. Jiji,T., Nepolean,A., Naseema, A and **Anitha, N.** 2003 Record of *Aspergillus candidus* Link. On the fruit fly *Bactrocera dorsalis* infesting guava. Insect Environment. 9: 81-83
32. **Anitha,N** and G.M. Nair. 2004 Life table and intrinsic rate of increase of pseudostem weevil *Odoiporus longicollis* Oliv. on popular banana clones of Kerala. Entomon. 29: 345-350
33. **Anitha, N.** 2004 Clonal susceptibility and age preference of banana pseudostem weevil *Odoiporus longicollis* Oliv. Insect Environment 11: 132-134
34. **Anitha, N** and Nair, G. M .2005 Management of banana pseudostem weevil *Odoiporus longicollis* Oliv. International Seminar Prithvi 2005 held on Feb.20-25 organized by Swadeshi Science Movement at Trivandrum. SA - 10-71: 176-177
35. Sahibeegum, M. K and **Anitha, N.** 2006 *Beauveria bassiana* (Bals.) a potential biocontrol agent for banana pseudostem weevil, *Odoiporus longicollis*. Insect Environment. 12: 106-107
36. Jiji,T., Praveena,A., Naseema, A and **Anitha, N.** 2006 *Beauveria bassiana* (Bals.) on *Sylepta derogate* Fab. and its cross infectivity on other major pests of vegetables. Insect Environment. 11: 144
37. Sahibeegum M.K and **Anitha N.** 2006. Pathogenenicity of *Metarhizium anisopliae* against banana pseudostem weevil. National Symposium on Recent Trends in insect pest management held at Chennai.
38. Jiji T, Praveena, R, Kavitha Babu, Naseema A and **Anitha N.** 2006. Three promising fungal strains pathogenic to fruit flies^{7th} international symposium on fruit flies of economic importance, Salvador, Brazil. Sept. 10-15, 2006
39. Jiji,T., Praveena,A., Naseema, A., **Anitha, N.** and Simna, T.2008 Entomopathogenic fungus *Beauveria bassiana* (Bals.) for the management of key insect pests of vegetables. Green farming. 1: 54-58
40. Sivakumar, T., Jiji, T., and **Anitha, N .** 2014. Field observations on banana skipper *Erionota thrax* L. (Hesperiidae: Lepidoptera) and its avian predators from southern peninsular India. Current Biotica 8(3): 220-227.
41. **Anitha, N .**, Lekha, M., Bhaskar, H., Bai, H., Nandakumar, C., and Sheela., M. S. 2015. Newer insecticides for the management of shoot and fruit borer of brinjal. In: *Proceedings of the National*

Meeting on “New /Safer molecules and Biocontrol Technologies for Integrated Pest Management Crops; 23rd February 2015; Karnataka Veterinary Council, Hebbal, Bengaluru.

42. Jiji, T., **Anitha, N.**, Asokan, A., and Akhila, G. V. 2016. Diversity of long horned beetle (Coleoptera: Cerambycidae) pests in southern Kerala. *Pest Management in Horticultural Ecosystem*. 22(1): 40-44.
43. Sivakumar, T., Joseph Rajkumar, A., and **Anitha, N.** 2017. First report of tomato pinworm, *Tuta absoluta* (Meyrick) on eggplant *Solanum melongena* L. from Kerala, India. *Entomon* 42(4): 335-338.
44. Mohan, M. and **Anitha, N.** 2017. Management of American serpentine leaf miner, *Liriomyza trifolii* (Burgess) on tomato. *Pest Management in Horticultural Ecosystem*. 23(1): 94-96.
45. Mohan, M. and **Anitha, N.** 2017. Evaluation of tomato cultivars for field tolerance to *Liriomyza trifolii* (Burgess) Dietars in tomato. In: *Science and Technology - the Key Drivers to Development”- 27th Swadeshi Science Congress*, Kollam, Kerala.
46. Binseena, S. R., **Anitha, N.** Ambily Paul., Amritha, V. S. and Anith, K. N. 2018. Management of rice weevil, *Sitophilus oryzae* using essential volatile oils *Entomon* 43(4): 277-280.
47. Mohan, M. and **Anitha, N.** 2018. Antixenosis effect of tomato cultivars to American serpentine leaf miner *Liriomyza trifolii* (Burgess). *Journal of Entomology and Zoology Studies* 6(4): 1557-1560.
48. Mohan, M. and **Anitha, N.** 2018. Evaluation of tomato cultivars for field tolerance to American serpentine leaf miner, *Liriomyza trifolii* (Burgess). *Journal of Entomological Research*. 42(2): 163-166.
49. Varsha, V. and **Anitha, N.** 2018. A new report of natural infestation of *Fusarium solani* on banana rhizome weevil, *Cosmopolites sordidus* Germen from Kerala. *Pest Management in Horticultural Ecosystem* 24(1): 50-52.
50. Anusree, S. S., Mohan, M., and **Anitha, N.** 2018. Diversity of spiders in tomato ecosystem. In: *Abstracts, International Conference on Biological Control; 27-29, September, 2018, Bengaluru.* Society for Biocontrol Advancement, Bengaluru, 18p. Abstract No. S1, pp-02.
51. Mohan, M. and **Anitha, N.** 2018. Antixenosis effect of tomato cultivars to American serpentine leaf miner *Liriomyza trifolii* (Burgess) Dietars. In: *International Conference on Biocontrol and Sustainable Insect Pest Management* 29-31, January, Tamil Nadu Agricultural university, Tamil Nadu.

52. Sooraj, S., Nisha, M. S., and **Anitha, N.** 2019. Pathogenicity of *Rhabditis*, a native entomopathogenic nematode against termite. In: *31st Kerala Science Congress*, 2-3 February 2019, Kollam. Fatima Matha National College, Kollam, p.9.
53. Mohan, M. and **Anitha, N.** 2020. Documentation of host range and natural enemy complex of brinjal mealybug, *Coccidohystrix insolita* Green in Kerala. National Symposium On Plant Health Management. At: College of Agriculture, Navasari Agricultural University, Gujarat.
54. Mohan, M. and **Anitha, N.** 2020. field screening of brinjal cultivars against the mealybug, *Coccidohystrix insolita* (Green) and it's natural enemies. International Conference - Perspective on Agricultural and Applied Sciences (PAAS-2020) At: Uttarakhand, India
55. Mohan, M. and **Anitha, N.** 2020. Biophysical Traits Mediating Tritrophic Interactions Among Brinjal Cultivars, Mealybug *Coccidohystrix insolita* and it's Natural Enemies. International Conference On Food Security Through Sustainable Agriculture (Fssa) At: Indore, Madhya Pradesh
56. Mohan, M. and **Anitha, N.**, 2020. Evaluation of brinjal cultivars against mealybug *Coccidohystrix insolita* (Green) and its natural enemies. *Indian Journal of Entomology* 82(4):777-780
57. Karthika, K.S., Nisha, M.S. and **Anitha, N.**, 2020. Indigenous bacterial antagonists against reniform nematode, *Rotylenchulus reniformis* Linford and Oliveira in vegetable cowpea. *Indian Journal of Nematology*, 50(2):101-106.
58. Mohan, M., **Anitha, N.**, and R.V Manju. 2020. Host resistance in brinjal to mealybug *Coccidohystrix insolita* (Green). *Indian Journal of Entomology* 82(4):871-874.
59. Lekha, M ., MH Faizal, **N Anitha**, 2020 Insecticidal activity of cashew nut shell liquid against sucking pests of cowpea, *Vigna unguiculata* subsp. *sesquipedalis* (L.) Verdc. *Entomon*
60. Divya TS., Nisha M.S., **Anitha, N** and Ambily, P. 2021. Integrated management of root -knot nematode, *Meloidogyne incognita* (Kofoid and White) Chitwood in cowpea. *Indian Journal of Nematology*.51(1): 74-80.
61. Anusree, S.S. and **Anitha, N.**, 2021. Feeding potential of *Axinoscymnus puttarudriahi* Kapur and Munshi on invasive whitefly, *Aleurothrixus trachoides* (back) infesting *Capsicum annuum* L. *Indian Journal of Ecology*, 48(1), pp.112-115.

62. Mohan, M and **Anitha, N.** 2022. Diversity on predators of mealybugs (Hemiptera: Pseudococcidae) in Kerala. VII International Conference in Hybrid Mode on Global Research Initiatives For Sustainable Agriculture & Allied Sciences (GRISAAS-2022). 21-23 November, Meerut, India.
63. Mohan, M., Nayanathara J., and **Anitha, N.** 2022. Records of parasitoids on mealy bugs (hemiptera : pseudococcidae) from Kerala, India. In: Souvenir and Extended Summaries: 3rd National Symposium Entomology 2022: Innovation and Entrepreneurship, 8-10 December 2022, Hyderabad, India.
64. Manu. C. R., **Anitha, N.**, Ragesh G and Poornima Y 2022. Suitability of black soldier fly larvae as host for entomopathogenic nematodes . Indian J Entomolgy. DoI.: 10.5958/IJE.2022.171
65. Mohan, M and **Anitha, N.** 2023. Natural Enemy Fauna of Mealybugs (Hemiptera: Pseudococcidae) Infesting Vegetables in Kerala, India. Indian Journal of ecology. 50(2): 443-451.

Student Guidance (Major Advisor/ Advisory Committee member)

M. Sc.

Major Advisor : 11

Advisory committee member : 65

Ph. D

Major Advisor : 4

Advisory committee member : 15

Other Institutional Responsibilities

1. Currently acting as Head of the Department of Entomology
2. Currently Chairman of Women complaint committee at College of Agriculture, Vellayani campus.

Membership in Professional Associations

1. Annual membership in Entomological Society of India
2. Life member of Association for Advancement of Entomology