

Bio-data

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Research Areas:

1. RNAi & Genomics for insect pest management
2. DNA Barcoding, Biosecurity & Biosafety of invasive, alien insect pests
3. Molecular Diversity & molecular phylogeny of insect pests

Academic Qualifications:

Degree	Subject	Name of the University	Year	Grade point average (GPA)
Ph.D.	Agricultural Entomology	University of Agricultural Sciences, Bangalore	2004	9.53 out of 10.00
M.Sc. (Ag.)	Agricultural Entomology	University of Agricultural Sciences, Bangalore	1987	3.48 out of 4.00
B. Sc. (Ag.)	Agriculture	Annamalai University, Annamalai Nagar	1984	3.50 out of 4.00

Employment record:

Sl No.	Position	Organization	Duration
1	Principal Scientist	Indian Institute of Horticultural Research	2009 – continuing
1.	Senior Scientist (Agril. Ent.)	Indian Institute of Horticultural Research	2004 to 2009
2.	Scientist (Senior Scale) (Agril. Ent.)	Indian Institute of Horticultural Research	1997 - 2004
3.	Scientist (Agri.Ent.)	Indian Institute of Horticultural Research	1991 - 1997

Patent:

- Single PCR, Single ligation and Single transformation method to generate intron containing hairpin RNA for RNA interference in plants

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Selected Publications

1. **R. Asokan***, K. B. Rebijith, Sakthi K. Singh, A. S. Sidhu, S. Siddharthan, Praveen K. Karanth, R. Ellango and V. V. Ramamurthy. **2011**. Molecular identification and phylogeny of *Bacterocera* species (Diptera: Tephritidae). *Florida Entomologist*, **94**:1026-1035.
2. H. M. Mahadevaswamy, **R. Asokan***, S. N. Nagesha, D. K. Arora, Ajantha Birah and Riaz Mahmood. **2011**. Cloning, characterization and diversity of insecticidal crystal protein genes of *Bacillus thuringiensis* native isolates from the soils of Andaman & Nicobar Islands. *Current Microbiology*, **63**: 420-425.
3. **R. Asokan***, K. B. Rebijith, N. K. Krishna Kumar, K. K. Srikumar, P. Sivarama Bhat. **2011**. Development of DNA barcode and species-specific markers for *Helopeltis antonii* Signoret & *Pachypeltis maesarum* (Kirkaldy) (Heteroptera: Miridae), pests of Cashew (*Anacardium occidentale*L). *Entomological News*, **122**: 173-181.
4. K. B. Rebijith, **R. Asokan*** and N. K. Krishna Kumar. **2011**. Development of species- specific markers and molecular differences in mtDNA of *Thrips palmi* Karny and *Scirtothrips dorsalis* Hood (Thripidae: Thysanoptera), vectors of tospoviruses (Bunyaviridae) in India. *Entomological News*, **122**: 201-213.
5. M. Manamohan, M.N. Prakash, G. Sharath Chandra, **R. Asokan** and S. N. Nagesha. **2011**. An improved protocol for rapid and efficient *Agrobacterium* mediated transformation of tomato (*Solanum lycopersicum* L.). *Journal of Applied Horticulture*, **13**:3-7.
6. N. K. Krishna Kumar, D. K. Nagaraju, C. A. Viraktamath, **R. Asokan**, H. R. Ranganath, K. N. Chandrasekhara, K. B. Rebijith and T. H. Singh. **2011**. Gall insects damaging egg plant and bell peppers in South India. *Advances in Genetics & Breeding of Capsicum and Egg plant*. 153-162.
7. **R. Asokan***, H. M. Mahadevaswamy and D. K. Arora. **2012**. Screening, Diversity and Partial Sequence Comparison of Vegetative Insecticidal Protein (*vip3A*) Genes in the Local Isolates of *Bacillus thuringiensis* Berliner. *Current Microbiology*, **64**: 365-370.
8. **R. Asokan***, S.N. Nagesha, M. Manamohan, N. K. Krishna Kumar, H. M. Mahadeva Swamy, M. N. Prakash, G. Sharath Chandra, K. B. Rebijith

- and R. Ellango. **2012**. Common siRNAs for various target genes of the fruit borer, *Helicoverpa armigera* Hubner (Lepidoptera: Noctuidae). *Current Science*, **102**: 1692-1699.
9. **R.Asokan***, S.N. Nagesha, M. Manamohan, N.K. Krishna Kumar, H.M. Mahadeva Swamy, K.B. Rebijith, M.N. Prakash and G.Sharath Chandra. **2012**. Molecular diversity of *Helicoverpa armigera* Hubner (Noctuidae: Lepidoptera) in India. *Oriental Insects*, **46**: 130-143.
 10. **R. Asokan***, K. B. Rebijith, N. K. Krishna Kumar, K. K. Srikumar, P. Shivarama Bhat and V. V. Ramamurthy. **2012**. Molecular identification and diversity of *Helopeltis antonii* and *Helopeltis theivora* (Hemiptera: Miridae) in India. *Florida Entomologist*, **94**:350-358.
 11. **R. Asokan***, S. N. Nagesha, N. K. Krishna Kumar and M. Manamohan. **2012**. Genetic variation of actin gene of *Helicoverpa armigera* Hubner (Lepidoptera: Noctuidae). *Journal of Entomological Research*, **36**: 123-127.
 12. **R. Asokan***, K. B. Rebijith and N. K. Krishna Kumar. **2012**. Genetic diversity of tomato fruit borer, *Helicoverpa armigera* Hübner (Lepidoptera: Noctuidae) inferred by mitochondrial cytochrome oxidase-I (mtCO-I). *Pest Management in Horticultural Ecosystems*,**18**: 65-70.
 13. G. Sharath Chandra, **R. Asokan**, M. Manamohan. **2012**. Modified competing polymerase chain reaction primer for single tube quantitative PCR. *Analytical Biochemistry*, **427**:175–177.
 14. Shalini Thakur Singh, Natarajan Gayatri Priya, Jitendra Kumar, Vipin Singh Rana, R. Ellango, Adita Joshi, Garima Priyadarshini, **R. Asokan**, Raman Rajagopal. **2012**. Diversity and phylogenetic analysis of endosymbiotic bacteria from field caught *Bemisia tabaci* from different locations of North India based on 16S rDNA library screening. *Infection, Genetics and Evolution*, **12**: 411–419.
 15. K. B. Rebijith, **R. Asokan***, N. K. Krishna Kumar, V. V. Ramamurthy, V. Krishna. 2012. Development of species-specific markers and molecular differences of *Aphis gossypii* Glover and *Myzus persicae* (Sulzer), vectors of Potyviruses (Potyviridae). *Florida Entomologist*, **95**: 677-685.
 16. H. K. Roopa, N. K. Krishna Kumar, **R. Asokan**, K. B. Rebijith, Riaz Mahmood and Abraham Verghese. **2012**. Phylogenetic analysis of *Trialeurodes* spp. (Hemiptera: Aleyrodidae) from India based on differences in mitochondrial and nuclear DNA. *Florida Entomologist*, **95**: 1086-1094.
 17. K. B. Rebijith, **R. Asokan***, N. K. Krishna Kumar, K. K. Sreekumar, V. V. Ramamurthy & P. Shivarama Bhat.**2012**. DNA barcoding and development of species-specific markers for the identification of tea mosquito bugs (Miridae: Heteroptera) in India. *Environmental Entomology*, **41**: 1239-1245.
 18. H. M. Mahadevaswamy, **R. Asokan***, P. E. Rajasekaran, RiazMahmood, S. N. Nagesha and D. K. Arora. **2012**. Analysis of Opportunities and

- Challenges in Patenting of *Bacillus thuringiensis* Insecticidal Crystal Protein Genes. *Recent Patents on DNA & Gene Sequences*, **6**: 64-71.
19. R. Ellango, **R. Asokan***, K. B. Rebijith, B. N. Chaithanya, Riaz Mohammed. **2012**. Molecular variations in mitochondrial and nuclear genes of Diamondback moth, *Plutella xylostella* (L.) (Hyponomeutidae: Lepidoptera). *Indian Journal of Entomology*, **74**: 241-245.
 20. M. Manamohan, **R. Asokan** and Sukhada Mohandas. **2012**. Development of recombinant Cry3A expressing *Bacillus cereus* isolated from the rhizosphere of brinjal (*Solanum melongena* L.) in the management of ash weevil (*Mylloceris subfasciatus* Guerin). *Journal of Biological Control*, **26**: 138-143.
 21. H. M. Mahadevaswamy, **R. Asokan***, Riaz Mohammed and S. N. Nagesha. **2012**. Molecular characterization and genetic diversity of insecticidal crystal protein genes in Native *Bacillus thuringiensis* isolates. *Current Microbiology*, **66**: 323-330.
 22. D. C. Lakshmana Reddy, H. M. Mahadeva Swamy, **R. Asokan**, S. C. Venkatesha and T. K. S. Gowda. **2012**. Isolation, Molecular characterization and diversity of Lepidopteran active cry-type genes of *Bacillus thuringiensis* isolates and their efficacy against *Helicoverpa armigera* Hubner (Noctuidae: Lepidoptera). *Biopesticides International*, **8**: 93-106.
 23. **R. Asokan***, K. B. Rebijith, V. Krishna, N. K. Krishna Kumar, T. K. Jacob, S. D. Devasahayam, Kaomud Tyagi and E. S. Sujeesh, **2012**. Molecular diversity of cardamom thrips, *Sciothrips cardamomi* (Ramakrishna) (Thripidae: Thysanoptera). *Oriental Insects*, **47**: 55-64.
 24. K. B. Rebijith, **R. Asokan***, Ranjitha H. Hande and K. Nirmal Babu. **2012**. *In silico* mining of miRNAs from Coffee, *Coffea arabica* using expressed sequence tags. *Journal of Horticultural Science and Biotechnology*, **88**: 325 – 337.
 25. H.M.Mahadeva Swamy, **R. Asokan** and Riaz Mahmood. **2012**. *Bacillus thuringiensis* cryII and cry3A coleopteran active insecticidal crystal proteins: Homology based 3D modeling and implications for toxin activity. *International Journal of Engineering & Social Science*, **2**: 51 – 59.
 26. H. M. Mahadevaswamy, S. N. Nagesha, T. K. S. Gowda, **R. Asokan** and Riaz Mahmood. **2012**. Isolation, characterization and detection of cry gene contents from *Bacillus thuringiensis* native isolates in Southern states of India. *Plant Cell Biotechnology & Molecular Biology*, **13**: 111 – 124.
 27. **R. Asokan***. **2012**. DNA Barcoding and Molecular Phylogeny of Acari. *In Advances in Agricultural Acarology*, UAS (B), Bangalore, P.206-213.
 28. M. Manamohan, G. Sharath Chandra, **R. Asokan**, H. Deepa, M.N. Prakash and N. K. Krishna Kumar. **2013**. One-step DNA fragment assembly for expressing intron containing hairpin RNA in plants for gene silencing. *Analytical Biochemistry*, **433**: 189-191.

29. M. Mani, Sunil Joshi, M. Kalyanasundaram, C. Shivaraju, A. Krishnamoorthy, **R. Asokan** and K. B. Rebijith. **2013**. A new invasive jack Beardsley mealybug *Pseudococcus jackbeardsleyi* Gimpel and Miller on papaya in India. *Florida Entomologist*, **96**: 242-245.
30. H. M. Mahadevaswamy, **R. Asokan***, Geetha G. Thimmegowda, Riaz Mohammed. **2013**. Expression of *cry3A* gene and its toxicity against Asian Gray Weevil *Myllocerus undecimpustulatus undatus* Marshall (Coleoptera: Curculionidae). *Journal of Basic Microbiology*, **53**: 664-676.
31. **R. Asokan***, G. Sharath Chandra, M. Manamohanand N.K. Krishna Kumar. **2013**. Effect of diet delivered various concentrations of double-stranded RNA in silencing a mid gut and a non-midgut gene of *Helicoverpa armigera*. *Bulletin of Entomological Research*, **103**: 555 - 563.
32. K. B. Rebijith, **R. Asokan***, N. K. Krishna Kumar, V. Krishna, B. N. Chaitanya and V. V. Ramamurthy. **2013**. DNA barcoding and elucidation of cryptic aphid species (Hemiptera: Aphididae) in India. *Bulletin of Entomological Research*, **103**: 601 -610.
33. **R. Asokan***, K. B. Rebijith, V. V. Ramamurthy, Ranjitha H. Hande and H. K. Roopa. **2013**. Prediction and characterization of novel micro RNAs from *Nilaparvatha lugens* Stal (Hemiptera: Delphacidae). *Entomological Research*, **43**: 224 – 235.
34. M. Manamohan, **R. Asokan***, M. N. Prakash, G. Sharath Chandra, H. Deepa, P.R. Rajiv, Keshav Rao, C.S.Bujji Babu and K. Prasad Babu. **2013**. Anthocyanin enrichment in tomato fruit by metabolic engineering. *Current Science*, **105**: 72 – 80.
35. **R. Asokan***, H. M. Mahadevaswamy, Ajantha Birah and Geetha G. Thimmegowda. **2013**. *Bacillus thuringiensis* isolates from Great Nicobar Islands. *Current Microbiology*, **66**: 621 – 626.
36. P. S. Bhat, K. K. Srikumar, T. N. Raviprasad, K. B. Rebijith and **R. Asokan**. **2013**. Biology, behavior, functional response and molecular characterization of *Rihirbus trochantericus* var *Letuous* (Hemiptera: Reduviidae: Harpactorinae): A potential predator of *Helopeltis* spp (Hemiptera: Miridae). *Entomological News*, **123**: 264 – 277.
37. **R. Asokan***, K. B. Rebijith, Sakthi K Singh and V. V. Ramamurthy. **2013**. Life stage independent identification of fruit flies (Diptera: Tephritidae) using 28S rDNA sequences. *The Bioscan*, **8**: 1 – 10.
38. H. M. Mahadevaswamy, **R. Asokan** and Riaz Mahmood. **2013**. *In silico* structural 3D Modelling of novel *cryII* and *cry3A* genes from local isolates of *Bacillus thuringiensis*. *Indian Journal of Microbiology*, **54**: 94-103.
39. H. M. Mahadevaswamy, S. N. Nagesha, T. K. S. Gowda, **R. Asokan** and Riaz Mahmood. **2013**. Genetic transformation of cabbage (*Brassica oleracea* var. capitata) with synthetic *cry1F* gene to impart resistant to diamondback moth (*Plutella xylostella*). *Journal of Applied Horticulture*, **15**: 3 - 9.

40. H. M. Mahadeva Swamy and **R. Asokan***. **2013**. New innovations in *Bacillus thuringiensis* research – A review. *International Journal of Agriculture, Environment & Biotechnology*, **6**: 515 – 525.
41. H. M. Mahadeva Swamy and **R. Asokan***. **2013**. *Bacillus thuringiensis* ‘Nanopesticide’ a perspective for better and safer crops towards food security and sustainable agriculture. *Nanoscience & Nanotechnology – Asia*, **3**:102-105.
42. H. M. Mahadeva Swamy, **R. Asokan*** and Riaz Mahmood. **2013**. *Bacillus thuringiensis* Cry3A coleopteran-active toxin: Homology based 3D model and *in silico* analysis. *Indian Journal of Applied Agricultural Research*, **1**: 47 – 53.
43. K. K. Srikumar, P.S. Bhat, T. N. Ravi Prasad, K. Vanitha, N. K. Krishna Kumar, K. B. Rebijith and **R. Asokan**. **2013**. Distribution of major sucking pest, *Helopeltis* spp. (Hemiptera: Miridae) of cashew in India. *Proceedings of the Zoological Society*, DOI 10.1007/s12595-013-0091-2.
44. **R. Asokan***, H. K. Roopa, K. B. Rebijith, H. H. Ranjitha and N. K. Krishna Kumar. **2013**. *In silico* mining of micro-RNAs from *Spodoptera frugiperda* (Smith) (Lepidoptera: Noctuidae). *African Journal of Biotechnology*, **13**: 32 – 43.
45. R. Ellango, **R. Asokan***, K. B. Rebijith, Riaz Mahmood and V. V. Ramamurthy. **2013**. Cloning and sequence analysis of four important genes of *Plutella xylostella* (L.) (Lepidoptera: Yponomeutidae). *Entomological News*, **123**: 348 – 356.
46. H. K. Roopa, K. B. Rebijith, **R. Asokan***, Riaz Mahmood and N. K. Krishna Kumar. **2013**. Isolation and identification of culturable bacteria from honeydew of whitefly, *Bemisia tabaci* (G.) (Hemiptera: Aleyrodidae). *Meta Gene*, **2**:114-122.
47. **R. Asokan***, H. M. Mahadevaswamy, Geetha G. Thimme Gowda and Riaz Mahmood. **2014**. Diversity analysis and characterization of Coleoptera, Hemiptera and Nematode-active *cry* genes in native isolates of *Bacillus thuringiensis*. *Annals of Microbiology*, **64**: 85-98.
48. K. B. Rebijith, **R. Asokan***, V. Krishna, Ranjitha H. Hande, N. K. Krishna Kumar, V. V. Ramamurthy. **2014**. *In silico* prediction and characterization of microRNAs from the melon aphid, *Aphis gossypii* (Hemiptera: Aphididae). *Annals of Entomological Society of America*, **107**: 521 – 531
49. **R. Asokan***, G. Sharath Chandra, M. Manamohan, N.K. Krishna Kumar and T. Sita. **2014**. Response of various target genes to diet-delivered dsRNA mediated RNA interference in the cotton bollworm, *Helicoverpa armigera*. *Journal of Pest Science*, **87**: 163 – 172.
50. P. Asha Thomas, K. B. Rebijith, **R. Asokan***, V. V. Ramamurthy. **2014**. Co-occurrence of different biotypes of *Bemisia tabaci* (G.) (Hemiptera: Aleyrodidae) on different cotton cultivars, using molecular and morphometric approaches. *Annals of Entomological Society of America*, **107**:389-398.

51. R. Ellango, **R. Asokan*** and Riaz Mahmood. **2014**. Host specific molecular variations in *Bemisia tabaci* (G.) as revealed by using mitochondrial and ribosomal marker. *The Bioscan*, **9**: 461-466.
52. R. Ellango, **R. Asokan***, Riaz Mahmood, V. V. Ramamurthy and N. K. Krishna Kumar. **2014**. Isolation of new microRNAs from the diamondback moth (Lepidoptera: Yponomeutidae) genome by a computational method. *Florida Entomologist*, **97**: 877-885.
53. G. Sharath Chandra, **R. Asokan***, M. Manamohan, N. K. Krishna Kumar and T. Sita. **2014**. Evaluation of reference genes for quantitative real time PCR normalization in cotton boll worm, *Helicoverpa*. *Molecular Biology*, **48**: 927-938.
54. K. B. Rebijith, **R. Asokan***, V. Krishna, H.H. Ranjitha, N. K. Krishna Kumar and V. V. Ramamurthy. **2014**. DNA Barcoding and cryptic diversity in Thrips (Thysanoptera). *Florida Entomologist*, **97**: 1028-1047.
55. P. M. Navale, V. Krishna, H. M. Mahadeva Swamy, H. D. Sowmya, **R. Asokan**, M. Manamohana, Riaz Mahmood and K. Prasad Babu. **2014**. RNA interference (RNAi) tool for insect pest management patenting analysis their impact on incentives and disincentives to undertake research and development. *International Journal of Current Microbiology & Applied Sciences*, **3**: 999 – 1008.
56. S. J. Gawande, V. S. Gurav, A. A. Ingle, D.P. Martin, **R. Asokan**, J. Gopal. **2015**. Sequence analysis of Indian Iris yellow spot virus ambisense genome segments: evidence of interspecies RNA recombination. *Archives of Virology*, **DOI 10.1007/s00705-015-2354-x**
57. R. Ellango, Shalini Thakur Singh, Vipin Singh Rana, N. Gayathri Priya, Harpreet Raina, Rahul chaubey, N. C. Naveen, Riaz Mahmood, V.V. Ramamurthy, **R. Asokan*** and R. Rajagopal. **2015**. Distribution of *Bemisia tabaci* genetic groups in India. *Environmental Entomology*, **DOI: 10.1093/ee/nvv062**
58. **R. Asokan***, B. N. Chaitanya, K. B. Rebijith, N. K. Krishna Kumar, C. A. Viraktamath and V. V. Ramamurthy. **2015**. COI based molecular identification of mango leaf hoppers (Hemiptera: Cicadellidae) in India. *Indian Journal of Biotechnology*, **14**: 260-263.
59. K. K. Srikumar, P.S. Bhat, T. N. Ravi Prasad, K. Vanitha, N. K. Krishna Kumar, K. B. Rebijith and **R. Asokan**. **2015**. Distribution of major sucking pest, *Helopeltis* spp. (Hemiptera: Miridae) of cashew in India. *Proceedings of the Zoological Society*, **68**: 30 -35.
60. K. B. Rebijith, **R. Asokan***, H. Ranjitha Hande, N. K. Krishna Kumar, V. Krishna, J. Vinutha and N. Bakthavatsalam. **2015**. RNA interference of odorant binding protein 2 (OBP-2) of the cotton aphid, *Aphis gossypii* (Glover), resulted in altered electrophysiological responses. *Applied Biochemistry & Biotechnology*, **DOI:10.1007/s12010-015-1869-7**.
61. R. S. Nandety, Almas Sharif, Shizuo G. Kamita, **R. Asokan** and B.W. Falk. **2015**. Identification of novel and conserved microRNAs in *Homalodisca vitripennis*, the Glassy Winged Sharpshooter by expression

- profiling. PLoS ONE, 10 (10) e0139771; DOI:10.1371/journal.pone.0139771.
62. B. N. Chaitanya, **R. Asokan***, T. Sita, K.B. Rebijith and N. K. Krishna Kumar. **2015**. Double stranded RNA mediated silencing of sodium channel and ultraspiracle genes in *Aphis gossypii* (Hemiptera: Aphididae). *Annals of the Entomological Society of America*, DOI: **10.1093/aesa/sav107**
63. K.H. Roopa, **R. Asokan***, K.B. Rebijith, Ranjitha H. Hande, Riaz Mahmood and N.K. Krishna Kumar. **2015**. Prevalence of a new genetic group, MEAM-K of the whitefly, *Bemisia tabaci* (Hemiptera: Aleyrodidae) in Karnataka, India, as evident from mtCOI sequences. *Florida Entomologist*, **98**: 1062-1071.
64. Z.H. Lim, K. E. Robinson, R. G. Jain, G. Sharath Chandra, **R. Asokan**, S. Asgari, Neena Mitter. **2015**. Diet delivered RNAi in *Helicoverpa armigera* – progress and challenges. *Journal of Insect Physiology*, DOI: <http://dx.doi.org/10.1016/j.jinsphys.2015.11.005>.
65. K. B. Rebijith, **R. Asokan***, H. H. Ranjitha, V. Krishna and N. K. Krishna Kumar. **2015**. Diet delivered dsRNAs for Juvenile hormone binding protein and Vacuolar ATPase-H implied their potential in the management of the melon aphid, *Aphis gossypii*(Glover) (Hemiptera: Aphididae). *Environmental Entomology*, DOI **10.1093/ee/nvv178**
66. K. R. Latha, N. K. Krishna Kumar, H. M. Mahadevaswamy, **R. Asokan**, H. R. Ranganath and Riaz Mahmood. **2015**. Molecular identification and diversity of chilli thrips, *Scirtothrips dorsalis* Hood (Thysanoptera: Thripidae) employing ITS2 marker. *Pest Management in Horticultural Ecosystems*, **21**: 16-26.
67. Z.H. Lim, K. E. Robinson, R. G. Jain, G. Sharath Chandra, **R. Asokan**, S. Asgari, Neena Mitter. **2016**. Diet delivered RNAi in *Helicoverpa armigera* – progress and challenges. *Journal of Insect Physiology*, **85**: 86-93.
68. G. Sharath Chandra, **R. Asokan***, M. Manamohan, T. Sita. **2016**. Host allelochemicals influence cytochrome P450 isoforms expression, and larval growth and development of the herbivore, *Helicoverpa armigera*. *Current Science*, **111**: 901-906.
69. K. B. Rebijith, **R. Asokan***, H. Ranjitha Hande, N. K. Krishna Kumar, V. Krishna, J. Vinutha and N. Bakthavatsalam. **2016**. RNA interference of odorant binding protein 2 (OBP-2) of the cotton aphid, *Aphis gossypii* (Glover), resulted in altered electrophysiological responses. *Applied Biochemistry & Biotechnology*, **178**: 251-266.
70. B. N. Chaitanya, **R. Asokan***, T. Sita, K.B. Rebijith and N. K. Krishna Kumar. **2016**. Double stranded RNA mediated silencing of sodium channel and ultraspiracle genes in *Aphis gossypii* (Hemiptera: Aphididae). *Annals of the Entomological Society of America*, **109**: 92-98.
71. K. B. Rebijith, **R. Asokan***, H. Ranjitha Hande and N. K. Krishna Kumar. **2016**. The first report of miRNAs from a thysanopteran insect

- Thrips palmi* Karny using high throughput sequencing. PLoS ONE, **11** (9): e0163635. doi:10.1371/journal.pone.0163635.
72. R. Ellango, **R. Asokan** and V. V. Ramamurthy. **2016**. *In silico* prediction and characterization of miRNAs from *Oncopeltus fasciatus* (Hemiptera: Lygaeidae) genome. *Applied Biochemistry & Biotechnology*, DOI 10.1007/s12010-016-2072-1.
73. R. Ellango, **R. Asokan**, G. Sharath Chandra, N. K. Krishna Kumar, Riaz Mahmood and V. V. Ramamurthy. **2016**. Tyrosine hydroxylase, a potential target for the RNAi-mediated management of diamondback moth (Lepidoptera: Plutellidae). *Florida Entomologist*, **99** (3): 1-5.
74. B. N. Chaitanya, **R. Asokan***, K.B. Rebijith, C. N. Rao, P. Ram Kumar and N. K. Krishna Kumar. **2016**. Molecular identification and diversity of Asian citrus psyllids using mtCOI gene sequences. *Pest Management in Horticultural Ecosystems*, **22**: 51-57.
75. S. J. Gawande, S. Anandhan, A. A. Ingle, **R. Asokan**. **2017**. Heteroplasmy due to coexistence of mtCOI haplotypes from different lineages of the *Thrips tabaci* cryptic species group. *Bulletin of Entomological Research* (DOI: **10.1017/S0007485317000025**)
76. L. Ragesh, K. B. Rebijith, **R. Asokan***, C. A. Jayaprakas, T. K. Jacob, B. N. Chaitanya, H. Ranjitha Hande and H. M. Yeshwanth. **2017**. Molecular identification and phylogeny of *Callosobruchus* spp. using mitochondrial cytochrome oxidase-1 gene sequences. *Indian Journal of Entomology* (*Accepted*).
77. K. B. Rebijith, **R. Asokan***, H. Ranjitha Hande, V. V. Ramamurthy, N. K. Krishna Kumar. **2017**. Reconstructing the macroevolutionary patterns of aphids (Hemiptera: Aphididae) using nuclear and mitochondrial DNA sequences. *Biological Journal of the Linnean Society*, DOI: 10.1093/biolinnean/blx02.
78. M. N. Navale, M. Manamohan, **R. Asokan**. **2017**. Transgenic tomato expressing dsRNA of Juvenile hormone acid O-methyl transferase gene of *Helicoverpa armigera* (Lepidoptera: Noctuidae) affects larval growth and its development. *Journal of Asia-Pacific Entomology* (*Accepted*).
79. B. N. Chaitanya, **R. Asokan***. **2017**. Silencing of JHEH and EcR Genes of *Plutella xylostella* (Lepidoptera: Plutellidae) Through Double Stranded RNA Oral Delivery. *Journal of Asia-Pacific Entomology* (*Accepted*).

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