Dr. M. R. Srinivasan

Madapuji Rajagopalan Srinivasan

Professor of Agricultural Entomology
Tamil Nadu Agricultural University, Coimbatore

CURRICULUM VITAE / COMPILED FROM THE FACULTY RECORD

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Source context: This document preserves the available faculty CV. Career entries include a September 2021 update; research, guidance, training and project figures are historical statements rather than verified current totals. Bibliographic wording follows the original record.

Education

1984–1988

B.Sc. (Agriculture)

Tamil Nadu Agricultural University

1989–1990

M.Sc. (Agriculture), Agricultural Entomology

Tamil Nadu Agricultural University

1990–1994

Ph.D., Entomology

Indian Agricultural Research Institute, New Delhi

Academic career

February 1995 – February 2004

Assistant Professor (Agricultural Entomology)

Tamil Nadu Agricultural University

• Taught six undergraduate agricultural entomology courses.

• Researched apiculture and crop pest management using pesticides.

March 2004 – December 2012

Associate Professor (Agricultural Entomology)

Tamil Nadu Agricultural University

• Taught ten postgraduate courses in agricultural entomology.

• Researched insect pests of seed storage and applications of remote sensing in entomology and pest management.

December 2012 – 12 March 2019

Professor (Agricultural Entomology)

Tamil Nadu Agricultural University

• Conducted apiculture research.

• Taught undergraduate experiential learning in beekeeping and insect ecology to M.Sc. and Ph.D. students.

13 March 2019 – 7 September 2021

Professor and Head (Agricultural Entomology)

Agricultural College and Research Institute, Killikulam, TNAU

• Teaching, research and extension in agricultural entomology.

September 2021 – present, as listed in source CV

Professor (Agricultural Entomology)

Tamil Nadu Agricultural University

• Conducting apiculture research.

• Teaching undergraduate experiential learning in beekeeping and insect ecology to M.Sc. and Ph.D. students.

Specialist training

1996-03-11 - 1996-03-26

Advanced training in apiculture

CCS Haryana Agricultural University, Hisar, Haryana

Sponsor: Indian Council of Agricultural Research

2002-03-09 - 2002-03-18

General management of Apis mellifera

Punjab Agricultural University, Ludhiana

Sponsor: Indian Council of Agricultural Research

2003-11-03 - 2003-12-02

Mass production of Apis mellifera queen bees, bee breeding and production of bee products other than honey

Punjab Agricultural University, Ludhiana

Sponsor: Indian Council of Agricultural Research

Research projects

AICRP on Honey Bees and Pollinators

Principal investigator | Since 2014–15

Indian Council of Agricultural Research, New Delhi

Stated budget: INR 95 lakh

Effect of Neonicotinoids on Pollinators

Principal investigator | Since 2017–18

Indian Council of Agricultural Research, New Delhi

Stated budget: INR 37 lakh

Centre of Excellence in Beekeeping / IBDC

Principal investigator | Since 2017–18

National Bee Board, Government of India, New Delhi

Stated budget: INR 138.28 lakh

Multiplication of Nucleus Stock of Honey Bees

Principal investigator | Since 2017–18

National Bee Board, Government of India, New Delhi

Stated budget: INR 20 lakh

Venture Capital on Bee Colonies

Principal investigator | Since 2013–14

Funder not listed

Budget not listed

Teaching, guidance and extension

The source CV records four Ph.D. and ten Master’s students guided, with one Ph.D. student in progress at the time of that record. Approximately 5,000 farmers and beekeepers received training through monthly one-day programmes.

Research includes varroa mite management, pollen substitutes for Indian honey bees, and pollination of cotton. Extension activities included beekeeping outreach at Burgur, Masinagudi and Udumalai.

Collected bibliography

63 works: 25 journal articles, 9 books, 7 book chapters and 22 conference papers. One conference citation has no year in the source.

Journal articles

1. Aruna, R, M.R. Srinivasan, and R Selvarajan. “Comparison of Genomic RNA Sequences of Different Isolates of Thai Sac Brood Virus Attacking Indian Honeybee, Apis Cerana Indica Fab. in Tamil Nadu by Reverse Transcriptase-Polymerase Chain Reaction Method.” Journal of Entomological Research 40, no. 2 (2016): 117–122.

2. Aruna, R, MR Srinivasan, and R Selvarajan. “Efficacy of Plant Products on Sacbrood Virus Attacking Apis Cerana Indica Fabricius.” Journal of Entomology and Zoology Studies 5, no. 5 (2017): 1909–13

3. Aruna, R., M.R. Srinivasan, R. Selvarajan, S. Subramanian, and R.K. Thakur. “Epidemiology of the Thai Sacbrood Virus Disease Attacking Indian Honey Bee Apis Cerana Indica F and Morphological Characterization of the Virus Particle Using Transmission Electron Microscope.” Madras Agricultural Journal 103, no. 1–3 (2016): 51–56.

4. Harish Chandra Naik, R, S Mohankumar, S Onkara Naik, M.S. Pallavi, M.R. Srinivasan, and S Chandrasekaran. “Influence of Food Sources on Development Period of Rhyzopertha Dominica, Triboleum Castaneum and Sitophilus Oryzae.” Indian Journal of Plant Protection 44, no. 1 (2016): 63–68.

5. Jerlin, R., A.S. Ponnuswamy, Prabakar. K., and M.R. Srinivasan. “Seed Pelletization for Enhancing Seed Vigour and Storability of Chillies Cv. K 1.” Madras Agricultural Journal 95, no. 7–12 (2008): 486–490.

6. Kishan Tej, M, and M.R. Srinivasan. “Standardizing Pollen Substitute for Indian Honey Bee Apis Cerana Indica F.” International Journal of Agriculture Sciences 8, no. 53 (2016): 2803–2807.

7. Kishan Tej, M, M.R. Srinivasan, M. Muthukumar, and R Suresh Kumar. “Feeding Preference of Indian Honeybee Apis Cerana Indica F. on Different Pollen Substitute Diets.” International Journal of Agriculture Sciences 8, no. 53 (2016): 2795–2799.

8. Kishan Tej, M, M.R. Srinivasan, V Rajashree, and R.K. Thakur. “Stingless Bee Tetragonula Iridipennis Smith for Pollination of Greenhouse Cucumber.” Journal of Entomology and Zoology Studies 5, no. 4 (2017): 1729–1733.

9. Kishan Tej, M, M.R. Srinivasan, K Vijayakumar, N Natarajan, and S Mohan Kumar. “Morphometry Analysis of Stingless Bee Tetragonula Iridipennis Smith (1854).” Int.J.Curr.Microbiol.App.Sci. 6, no. 10 (2017): 2963–2970.

10. Kishan Tej, Mitta, and M.R. Srinivasan. “Evaluation of Pollen Substitute for Indian Honey Bee Apis Cerana Indica F.” Advances in Life Sciences; ISSN 2278-4705 5, no. 5 (2016): 1936–1945.

11. Rabeena, I, N Ganapathy, S Nakeeran, and MR Srinivasan. “Impact of Bacillus Subtilis Isolates on Biochemical Profile of Spodoptera Litura (Fab.) Larvae.” Journal of Entomology and Zoology Studies 5, no. 5 (2017): 1867–70.

12. Rabeena, I, N Ganapathy, S Nakeeran, and MR Srinivasan. “Laboratory Studies on the Influence of Bacterial Strains against Spodoptera Litura (Fab.).” Journal of Entomology and Zoology Studies 5, no. 5 (2017): 1864–66.

13. Ranjitha, G., and M.R. Srinivasan. “Hyperspectral Radiometry for the Detection and Discrimination of Damage Caused by Sucking Pests of Cotton.” Current Biotica 8, no. 1 (2014): 5–12.

14. Ranjitha, G., M.R. Srinivasan, R. Krishnan, R. Jegadeeswaran, . Balaji Kannan, and S Mohan. “Hyperspectral Radiometry for Detection of Damage Caused by Thrips, Thrips Tabaci Lind. in Cotton.” Madras Agricultural Journal 100, no. Special (2013): 159–163.

15. Ranjitha, G, M.R. Srinivasan, and Abburi Rajesh. “Detection and Estimation of Damage Caused By Thrips Thrips Tabaci (Lind) of Cotton Using Hyperspectral Radiometer.” Agrotechnology 3, no. 1 (2014): 123.

16. Sinduja, S, M Kishan Tej, and M.R. Srinivasan. “Diversity of Pollinators in Different Cotton Ecosystems of Coimbatore District.” Advances in Life Sciences 5, no. 21 (2016): 9712–9716.

17. Srinivasan, M.R., J. S. Kennedy, and S. Palaniswamy. “Bioefficacy of Buprofezin 25 SC and Fenpyroximate 5 SC against Okra Mite, Tetranychus Cinnabarinus (Boisduval).” Indian Journal of Plant Protection 31, no. 1 (2003): 146–147.

18. Srinivasan, M.R., and G. Krishnamurthy. “Field Evaluation of a New Combination Product, Chlorpyriphos 22.5% + Cypermethrin 2.5 EC and Chlorpyriphos 20% AF against Paddy Pests.” Pestology, no. 4 (1995): 21–23.

19. Srinivasan, M.R., N. Natarajan, and S. Palaniswamy. “Evaluation of Buprofezin 25 SC and Fenpyroximate 5 SC against Chilli Mite, Polyphagotarsonemus Latus (Banks).” Indian Journal of Plant Protection 31, no. 2 (2003): 116–117.

20. Srinivasan, M.R., Virender Sardana, and G. Krishnamurthy. “Evaluation of a Few Herbicides for the Control of Weeds in Cotton.” Pestology, no. 5 (1995): 16–19.

21. Srinivasan, M.R., R. Sheeba Jasmine, J.S Kennedy, and S. Palaniswamy. “Evaluation of Indoxacarb 14.5 SC and Spinosad 45 SC against Cotton Bollworm, Helicoverpa Armigera Hubner.” Journal of Plant Protection and Environment 1, no. 1&2 (2004): 1–4.

22. Srinivasan, M.R., R. Sheeba Jasmine, and S Palaniswamy. “Evaluation of Thiomethoxam 70 WS and Thiomethoxam 25 WG against Cotton Sucking Pests.” Pestology 28, no. 12 (2004): 37–40.

23. Srinivasan, M.R., and M.S. Venugopal. “Evaluation of Stirrup - PBW - a Liquid Concentrate Formulation of Gossyplure in Combination with Insecticides against Pink Bollworm Pectiniphora Gossypiella (Saund.) of Cotton.” Pestology, no. 11 (1999): 59–62.

24. Srinivasan, Virender Sardana, M.R., and G. Krishnamurthy. “Field Evaluation of a Combination Product (Chlrpyriphos 22.5% + Cypermethrin 2.5% EC) and Aquaflowable Formulations against Cotton Pests.” Pestology, no. 3 (1995): 31–34.

25. Srithar, N., M.R. Srinivasan, and K. Bhuvaneswari. “Insecticidal Properties of Some Native Medicinal Plants for the Management of Rice Weevil, Sitophilus Oryzae L. in Stored Maize.” South Indian Horticulture 58 (2010): 279–287.

Books

1. Kumaraperumal, R., K.P. Ragunath, Balaji Kannan, R. Jagadeeswaran, R. Krishnan, and M.R. Srinivasan. Geospatial Technologies and Applications- A Practical Guide. Dept of Remote Sensing and GIS, TNAU, Coimbatore, ISBN 9788190714921, 2012.

2. Kumaraperumal, R., K.P. Ragunath, Balaji Kannan, R. Jagadeeswaran, R. Krishnan, M.R. Srinivasan, and R. Sivasamy. Geospatial Technologies and Applications. Dept of Remote Sensing and GIS, TNAU, Coimbatore, ISBN 9788190714914, 2012.

3. Palaniswamy, S., S. Kuttalam, S. Chandrasekaran, J. S. Kennedy, D Vasanthi, and M. R. Srinivasan. Pesticides and Environment. TNAU publication, 2004.

4. Ponnuswamy, A.S., M.R. Srinivasan, and M. Ayyaswamy. Hybrid Rice Seed Technology. TNAU publication, 2000.

5. Rabindra, R.J., J.S. Kennedy, N. Sathiah, B. Rajasekaran, and M.R. Srinivasan. Microbial Control of Crop Pests. Graphic skills publication, 2001.

6. Rabindra, R.J., N. Natarajan, R. Balagurunathan, C. Durairaj, K. Ramaraju, and M.R. Srinivasan. Modern Trends in Integrated Pest Management. TNAU Press, 2002.

7. Ragumoorthi, K.N., V Balasubramani, M.R. Srinivasan, and N Nataraja. Insecta – An Introduction, Second Edition. AE Publishers, Coimbatore, ISBN: 9788190255813, 2011.

8. Ragumoorthi, K.N., M.R. Srinivasan, V Balasubramani, and N. Natarajan. Principles of Applied Entomology, Third Edition. AE Publishers, Coimbatore, ISBN: 9788190255820, 2016.

9. Srinivasan, M.R., N. Ganapathy, R. Suganthy, K. Bhuvaneswari, S. Kuttalam, and K. Ramaraju. A Book of Extended Summary of National Symposium on Emerging Trends in Eco-Friendly Insect Pest Management. A.E. Publications, Coimbatore, 2014.

Book chapters

1. Kishan Tej, M, R Aruna, Mishra Geetanjali, and M.R. Srinivasan. “Beekeeping in India.” In Industrial Entomology, 35–66. Springer, ISBN: -98-1103303-X, 978–98-1103303-2, DOI: 10.1007/978-981-10-3304-9_3, 2017.

2. Ranjitha, G., M.R Srinivasan, and R Jegadeeswaran. “Hyperspectral Radiometry for Detection and Estimation of Damage Caused by Aphids Aphis Gossypii(Glover) in Cotton.” In A Book of Extended Summary of National Sympisum on Emerging Trends in Ecofriendly Insect Pest Management Eds. M.R.Srinivasan et.Al., 423–424. A.E. Publications, Coimbatore, 2014.

3. Srinivasan, M.R. “Biodiversity of Honeybees.” In Advances in Management of Productive Insects. Tamil Nadu Agricultural University, Coimbatore, 2004.

4. Srinivasan, M.R. “Management of Honeybee Diseases.” In Advances in Management of Productive Insects. Tamil Nadu Agricultural University, Coimbatore, 2004.

5. Srinivasan, M.R. “Probit Analysis- Programme to Find LC 50/ LD 50 Based on Finney’s Method.” In Electronic Manual on Pesticides and Environment Eds. Palaniswamy, S.; Kuttalam, S.; Chandrasekaran.S.; Kennedy, J. S.; Srinivasan, M. R.. Department of Agricultural Entomology, TNAU, Coimb, 2004.

6. Srinivasan, M.R., M. Kishan Tej, R. Aruna, and G. Rajadurai. “Impact of Pesticides on Honey Bees and Pollinators.” In Pesticide Application in Agro Ecosystem-Its Dynamics and Implications,(Eds) Vinothkumar B., Suganthi A., Paramasivam M, Bhuvaneswari K., Kennedy J.S., Manoharan T, 243–248. TNAU Publications, 2015.

7. Srinivasan, M.R., and M. Muthuraman. “Comparison of Hive Bees, Apis Cerana Indica and Apis Mellifera.” In Advances in Management of Productive Insects. Tamil Nadu Agricultural University, Coimbatore, 2004.

Conference papers

1. Arulprakash, R, L Allwin, and M.R. Srinivasan. “Evaluation of Carbon Dioxide Treatment on the Management of Groundnut Seed Borer (Caryedon Serratus).” Proceedings of the 10th Int. Conference on Controlled Atmosphere and Fumigation in Stored Products, Navarro S, Jayas DS, Alagusundaram K (Eds.): 22–24.

2. Aruna, R, M.R. Srinivasan, and R Selvarajan. “Diagnosis of Thai Sac Brood Virus of Indian Honey Bee Apiscerana Indica through Reverse Transcriptase - PCR Technique.” In XXIII National Conference on “Recent Trends in Virology Research in the Omics Era,” 153. Indian Virological Society (IVS), 2014.

3. Chinniah, C., and M.R. Srinivasan. “Evaluation of Carbosulfan 25 EC for It’s Bioefficacy against Chilli Thrips Scirtothrips Dorsalis Hood.” In Second National Symposium on Integrated Pest Management in Horticultural Crops: New Molecules, Biopesticides and Environment on October 17-19, 2001 at IIHR, Bangalore, 60. IIHR, Bangalore, 2001.

4. Kishan Tej, M., and M.R. Srinivasan. “Feeding Preference of Indian Honey Bee (Apis Cerana Indica F.) on Different Pollen Substitutes.” In International Conference on Innovative Insect Management Approaches for Sustainable Agro Eco System, 667–668. TNAU, 2015.

5. Kishan Tej, M, M.R. Srinivasan, and R.K Thakur. “Stingless Bees in Applied Pollination of Cucumber Greenhouses of South India.” In International Meliponine Scientific Conference, Convention and Carnival 2017 (IMS3C2017), Malaysia Genome Institute, Kajang, Malaysia, 97–98. Malaysia Genome Institute, Kajang, Malaysia, 2017.

6. Mageshwaran, M., M.R. Srinivasan, and R. Sivasamy. “Detection and Estimation of Damage Caused by Rice Yellow Stem Borer Scirpophaga Incertulas (Walker) by Hyperspectral Radiometry. In:” In A Book of Extended Summary of National Symposium on Emerging Trends in Eco-Friendly Insect Pest Management. Eds: Srinivasan, M.R., Ganapathy, N., Suganthy, R., Bhuvaneswari, K., Kuttalam, S and Ramaraju, K., 438–440. A.E. Publications, Coimbatore, 2014.

7. Mageshwaran, M., M.R. Srinivasan, and R. Sivasamy. “Hyperspectral Radiometry for Detection and Estimation of Damage Caused by Rice Leaf Folder Cnaphalocrocis Medinalis (Guenee).” In A Book of Extended Summary of National Symposium on Emerging Trends in Eco-Friendly Insect Pest Management. Eds: Srinivasan, M.R., Ganapathy, N., Suganthy, R., Bhuvaneswari, K., Kuttalam, S and Ramaraju, 417–418. A.E. Publications, Coimbatore, 2014.

8. Mohankumar, S, M Pragadeesh, T Suraj D. Vasekar, Sonai Rajan, and M R Srinivasan. “Molecular Ecology of Plant-Honeybee Interactions Using Mitochondrial and Nuclear DNA Markers.” In NextGen Genomics, Biology, Bioinformatics and Teechnologies (NGBT) Conference, 119. Scigenom Research foundation, Chennai, 2016.

9. Ranjitha, G., M.R. Srinivasan, and Jagadeeswaran R. “Detection and Discrimination of Damage Caused by Sucking Pests of Cotton Using Hyperspectral Radiometry.” In A Book of Extended Summary of National Symposium on Emerging Trends in Eco-Friendly Insect Pest Management. Eds: Srinivasan, M.R., Ganapathy, N., Suganthy, R., Bhuvaneswari, K., Kuttalam, S and Ramaraju, 425–426. A.E. Publications, Coimbatore, 2014.

10. Sharana Basava Reddy, D., M.R. Srinivasan, and K. Prabakar. “Managing Cigarette Beetle (Lasioderma Serricorne) in Stored Turmeric Rhizomes and Coriander Seeds with CO2 Fumigation.” In International Conference on Food Technology (INCOFTECH 2009) Held at Indian Institute of Crop Processing Technology, Thanjavur., 4–5. Indian Institute of Crop Processing Technology,Th, 2009.

11. Sindhuja, R, and M.R. Srinivasan. “Diversity of Insect Pollinators in Cotton Ecosystem in Coimbatore District of Tamil Nadu.” In International Conference on Innovative Insect Management Approaches for Sustainable Agro Eco System, 28–29. TNAU, 2015.

12. Sridhar, J., M.R. Srinivasan, A.S. Ponnuswamy, and N. Srithar. “Management of Callosobruchus Chinensis in Stored Pulses Using Carbondioxide Fumigation.” In National Seminar on “Empowering Grain Processing Sector through Recent Technological Intervention” Organized by Ministry of Food Processing Industries, GOI, New Delhi and Paddy Processing Research Centre, Thanjavur on 25-26, January 2008 at Chennai., 78. Paddy Processing Research Centre, Thanjavur, 2008.

13. Sridhar, J., M.R. Srinivasan, A.S. Ponnuswamy, and N. Srithar. “Use of Low Temperature Treatment in the Management of Callosobruchus Chinesis in Stored Pulses.” In National Seminar on “Empowering Grain Processing Sector through Recent Technological Intervention”, Organised by Ministry of Food Processing Industries, Govt. of India and PPRC, Thanjavur and Held at Chennai on 25-26 Jan 2008. Paddy Processing Research Centre, Thanjavur, 2008.

14. Srinivasan, M.R., C. Chinniah, and R.J. Rabindra. “Evaluation of an Insect Growth Regulator and Certain Insecticides against Mango Hoppers.” In Proceeding of the Second National Symposium on Integrated Pest Management in Horticultural Crops: New Molecules, Biopesticides and Environment on October 17-19, 2001 at IIHR, Bangalore, 25–26. IIHR, Bangalore, 2001.

15. Srinivasan, M.R., and S Kuttalam. “Management of Varroa Mite Oh Indian Honeybee Apis Cerana Indica.” In International Conference on Innovative Insect Management Approaches for Sustainable Agro Eco System, 670–671. Tamil Nadu Agricultural University, 2015.

16. Srinivasan, M.R, S Kuttalam, and K Ramaraju. “Thai Sacbrood Virus (TSBV) -A Potential Threat to Indian Honey Bee.” In XXIII National Conference on “Recent Trends in Virology Research in the Omics Era,” 146. Indian Virological Society (IVS), 2014.

17. Srinivasan, MR, R Philip Sridhar, PA Saravanan, M Sivachandran, R Aruna, M Kishan Tej, and N Natarajan. “Skill Development in Beekeeping through Hands-on Training.” In International Conference on Open and Distance Learning for Sustainable Development in Agriculture, 24-25 Nov, TNAU, Coimbatore, 409–411. Aswanth Offset, Coimbatore, 2016.

18. Srinivasan, M.R., and R.J. Rabindra. “Bio-Efficacy of a New Molecule against Brinjal Shoot and Fruit Borer.” In Proceeding of the Second National Symposium on Integrated Pest Management in Horticultural Crops: New Molecules, Biopesticides and Environment on October 17-19, 2001 at IIHR, Bangalore, 249–50. IIHR, Bangalore, 2001.

19. Srinivasan, M.R., K.N. Ragumoorthy, and R.J. Rabindra. “Bio-Efficacy of Imidacloprid 70 WS as Seed Treatment Agent against Sucking Pests of Bhendi.” In Second National Symposium on Integrated Pest Management in Horticultural Crops: New Molecules, Biopesticides and Environment on October 17-19, 2001 at IIHR, Bangalore, 250–251. IIHR, Bangalore, 2001.

20. Srinivasan, M.R., and N. Ramakrishnan. “Molecular Characterization and Physical Mapping of the Genomic DNA of Agrotis Biconica Nucleopolyhedrovirus (AbNPV).” In International Symposium on ‘Molecular Approaches for Improved Crop Productivity and Quality’, May 22-24, 2002, Centre for Plant Molecular Biology, Tamil Nadu Agricultural University, Coimbatore, ., pp–116. Tamil Nadu Agricultural University, Coimbatore, 2002.

21. Srinivasan, MR, M Sivachandran, T Manoharan, N Natarajan, and RK Thakur. “Empowering Tribal People with Beekeeping Techniques in Tribal Settlements at Burgur, Masinagudi and Udumalai.” In International Conference on Open and Distance Learning for Sustainable Development in Agriculture, 24-25 Nov, TNAU, Coimbatore, 352–353. Aswanth Offset, Coimbatore, 2016.

22. Vasanthakumar, S, M.R. Srinivasan, and R.K. Thakur. “Pollination Behaviour of Stingless Bees Tetragonula Iridipennis Smith on Mango Inflorescence in South India.” In International Meliponine Scientific Conference, Convention and Carnival 2017 (IMS3C2017), Malaysia Genome Institute, Kajang, Malaysia, 78–79. Malaysia Genome Institute, Kajang, Malaysia, 2017.