CURICULAM VITAE

Dr. (Mrs. R. Gnaneswaran)

1. PERSONAL INFORMATION

POSTAL ADDRESS

SURNAMEGnaneswaranFIRST NAMERajendramani

DATE OF BIRTH7th August 1962CIVIL STATUSMarried with one childNATIONALITYSri Lankan

Department of Zoology University of Jaffna Jaffna, SRI LANKA

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2. EDUCATIONAL QUALIFICATION

B.Sc. Special Degree in Zoology (1986) – University of Jaffna, 2nd Class Upper Division Subsidiary subjects - Botany and Chemistry

M. Phil. in Agricultural Biology (1997) - University of Peradeniya, Sri Lanka

Title of the thesis:- Insect pests on Oyster Mushroom in Mid Country, Sri Lanka and their management

Ph.D. in Plant Protection (2010) - University of Peradeniya, Sri Lanka

Title of the thesis: Taxonomy and Ecology of Leafhoppers in Sri Lanka

Academic distinction -

- **SECOND CLASS UPPER DIVISION** in B.Sc. special Degree
- **GPA 3.84 out of 4.00** in M. Phil course work
- Registered as National Scientist STMIS Reg. No: NSF/STMIS/08/2001



3. EMPLOYMENT RECORD

- Professor in Zoology- Department of Zoology University of Jaffna
 - o (2018 January tomato)
- Senior Lecturer Grade I Department of Zoology, University of Jaffna
 - o (2003 -2018)
- Senior Lecturer Grade II Department of Zoology, University of Jaffna
 - o (1997-2003)
- Lecturer Department of Zoology, University of Jaffna (1987July-1997 August)
- Demonstrator Department of Zoology University of Jaffna (1986 August-1987 July)

4. PROFESSIONAL QUALIFICATIONS

- Chartered Biologist (Sri Lanka)
- Chartered Environmental Professional (Sri Lanka)

5. FELLOWSHIP

Fellow of the Royal Entomological Society (London)

6. PROFESSIONAL POSITIONS HELD AT UNIVERSITY LEVEL

- Member of the Faculty curriculum revision committee, Faculty of Science
- Member of the Curriculum Evaluation Committee representation of faculty of Science from 2014- to date
- Member of Live Science Board of Study in Faculty of Graduate Studies, University of Jaffna 2014-2016, and 2016-todate
- Student counselor faculty of science from 2011-2012
- Member of the sub-committee for establishing Faculty of fisheries from 2014.
- Member of career guidance cell for faculty of Science from 2013-2017
- Visiting Lecturer for M.Sc. programme, Faculty of Graduate studies, University of Jaffna.

- Visiting Lecturer for M.B.A. Programme ,Faculty of Management and Commerce , University of Jaffna
- Visiting Lecturer in Plant Protection Board of Study Postgraduate Institute of Agriculture, University of Peradeniya.

7. PROFESSIONAL POSITIONS HELD AT NATIONAL LEVEL

- Member of the **National Expert Committee** on Mangrove Conservation and Sustainable Use" formed by Ministry of Mahaweli development and Environment Sri Lanka since 2015 to date.
- Member of the **National Steering Committee** of the Global Environment Facility/Small Grants Programme UNDP- Phase V from 2013-2017.
- Member of **Scientist forum** of SEACOLOGY SUDDESA Sri Lanka mangrove conservation programme, from 2016 to date.
- Member of the **National Steering Committee** of the Global Environment Facility/Small Grants Programme UNDP- Phase VI from 2017-2020

8. PROFESSIONAL MEMBERSHIPS

- Life member of Association for the Advancement of Entomology, India
- Life member of Association for the Advancement of Science, Sri Lanka
- Life member of Institute of Biology (Sri Lanka)
- Life member of Institute of Environmental Professionals (Sri Lanka)
- Life member of Jaffna Science Association

9. TEACHING EXPERIENCE (Medium of Instruction English)

• Senior lecturer in Zoology -

Teaching the following courses from 1997 todate

Undergraduate Level: Animal Diversity, Entomology and Pest Biology, Insect structure and Function, Insect Ecology, Coastal and Mangrove conservation and management, Environmental Biology

Postgraduate Level: M.Sc. in Environmental Management
M.B.A programme (Environmental impact assessment)
M.Sc, M.Phil- in Plant protection (Insect taxonomy, Pest
Management

Lecturer in Zoology from 1987-1997

Undergraduate Level - Invertebrate Zoology, Developmental Biology, Entomology

10. POSTGRADUATE EVALUATION

• Served as external (foreign) examiner in evaluating Ph.D thesis **Institute:** University of Annamalai, Chithambaram, India

Name of the candidate: Mr. Palanivel

Title of Thesis: Diversity of Indian Mymarid (Hymenoptera: Chalcidoidea) Egg

Parasitoid **year**: 2017

• Served as an evaluator and an examiner for Ph.D. Degree programme

Institute: postgraduate Institute of Agriculture, University of Peradeniya, Sri Lanka

Name of the candidate: Mr. Anura

Title of the thesis: Diversity and Ecology of Mealybugs(Hemiptera: Pseudococcidae)

in Agro-ecological systems of Sri Lanka.

year: 2015

11.SCHOLARSHIPS AND AWARDS

- **Merit Scholarship award** for best performance in the course work leading to M. Phil 1993/94, in Board of Study of Agricultural Biology at Post Graduate Institute of Agriculture, University of Peradeniya, Sri Lanka.
- Award for the **best Research and the best presentation** in the session on Plant Protection at the 19th Annual Congress, of Postgraduate Institute of Agriculture, held in 2007 for the work titled "*Idioscopus nagpurensis* (Pruthi) (Hemiptera: Cicadellidae: Idiocerinae) A new member of Mango Leafhopper complex in Sri Lanka".
- Award for the best Research and the best presentation in the session on Environmental Entomology and Pesticide Toxicology, at the 20th Annual Congress, of Postgraduate Institute of Agriculture, held in 2008 for the work titled Typhlocybine leafhoppers (Hemiptera: Auchenorrhyncha: Cicadellidae) associated with horticultural crops in Sri Lanka"
- Award for the **best poster presentation** at the 20th Annual Congress, of Postgraduate Institute of Agriculture, held in 2008
- Award for the **best poster presentation** at the 21st Annual Congress, of Postgraduate Institute of Agriculture, held in 2009.

(Annual congress in PGIA is conducted as an International postgraduate research congress)

12. RESEARCH

- a. "Insect pests on Oyster Mushroom in Mid Country, Sri Lanka and their management"- Thesis submitted and awarded M. Phil Degree. 1997
- b. Taxonomy and Ecology of Leafhoppers in Sri Lanka" Thesis submitted and was awarded PhD. 2010
- c. Species composition of pollinating insects associated with crops of family Cucubitatceae in Jaffna peninsula. completed in 2013 and submitted the final report to the Ministry of Environment and Renewable Energy
- d. Role Of Insect Pollinator Diversity In Pollination And Fruit Set Of Bitter Gourd (*Momordica Charantia* L.) In Jaffna, Sri Lanka completed in 2015 and submitted the final report to the Ministry of Environment and Renewable Energy
- e. Baseline analysis of Development opportunities for Thondamanaru Lagoon See more at: https://www.mangrovesforthefuture.org/grants/small-grant-facilities/sri-lanka/baseline-analysis-of-development-opportunities-for-thondaimanaru-lagoon/#sthash.ZFT2UiIU.dpuf funded by IUCN/MFF/138 completed in July 2015.
- f. Bionomics of mealy bug species of the low country dry zone, Sri Lanka and their potential threats to the agriculture." As co- investigator in collaboration with Dr. (Mrs.) P. Vinobaba, Department of Zoology, Eastern University of Sri Lanka. Under NRC Grant of Rs. **3,006,700/-** (No. 11-192) completed in 2017

13. PUBLICATIONS

♣ BOOK:

R.Gnaneswaran (2017) Annotated Checklist of the leafhoppers (Hemiptera: Cicadellidae) of Sri Lanka. Pp 126+x + 114 photographs (all photos by author) **ISBN: 978-955-7377-84-1**

Published in Jaffna, Sri Lanka

LANGE OF THE PROOF

• **Gnaneswaran, R. (2015)** *Vegetation in Thondamanaru lagoon* In. Eds. Eswaramohan et.al. Ecological Study Guide of Thoandamanaru Lagoon, ISBN: 978-955-0585-076

Published by: Department of Zoology

• **Gnaneswaran, R. (2013).** A Review of the genus *Harmalia* Fennah 1969 (Hemiptera: Delphacidae) recorded from Sri Lanka with the description of *Harmalia heitensis otho* Fennah 1975. Eds. Khanna et.al; *Animal Diversity and their Conservation*, Biotech Books. Pp. 287-296; ISBN: 978-81-7622-287-7

• **Gnaneswaran, R. (2012)** Provisional Check list of the leafhoppers in Sri Lanka In: The National Red List 2012 of Sri Lanka: Conservation Status of the Fauna and Flora. Weerakoon, D.K. & S. Wijesundara Eds., Ministry of Environment, Colombo, Sri Lanka. Pp. 431-437; ISBN: 978-955-0033-55-3

RESEARCH PUBLICATIONS IN REFEREED JOURNAL

- Govindasamy Mahendiran, Rajendramani Gnaneswaran and Vilayanoor Venkataraman Ramamurthy (2017) Review of the genus *Blosyrus* Schoenherr (Coleoptera: Curculionidae: Entiminae) from India and adjacent countries, Oriental Insects, DOI: 10.1080/00305316.2017.1409668
- Vathulan Sujanitha, Sivapalan Sivansuthan, W Venkatesh
 Luckshman, Rajendramani Gnaneswaran, Thangarajaha Jeyakanth, UPALA
 Gunarathna (2017) The clinical manifestations, outcome and identification of jellyfish stings in Jaffna, Sri Lanka. Tropical Doctor DOI: 10.1177/0049475516684341
- 3. Piratheepa Sivakumar, **Rajendramani Gnaneswaran** and Eswaramohan Thamboe (2016) Changes in Fish and Shellfish in Thondamanaru Lagoon, Jaffna, Sri Lanka *International Journal of Environmental, Chemical, Ecological, Geological and Geophysical Engineering* 10(6) 661-665,
 - (International Science Index, Environmental and Ecological Engineering Vol:10, No:6, 2016 waset.org/Publication/10004769)
- 4. Viraktamath CA and **R. Gnaneswaran (2013)** Review of the grass feeding leafhopper genus *Gurawa* Distant (Hemiptera: Cicadellidae: Deltocephalinae) from the Indian Subcontinent with description of two new species. Entomon 38(4): 193-212. Submitted 03-06-2014; **accepted 21-11-2014**)
- 5. **Gnaneswaran, R.**, K.S. Hemachandra, H.N.P. Wijayagunasekara and D. Ahangama (2010) A key for identification of Deltocephaline genera (Homoptera: Cicadellidae: Deltocephalinae) Associated with vegetable ecosystem in Sri Lanka."Short communication: Trop. Agri. Res. 21:4, 421-426.
- 6. Shanmugasundaram. J and **Gnaneswaran. R** . (2009) Effect of age of *Plutella xylostella* (lepidoptera: Yponomeutidae) larvae on parasitoid development and its suitability for parasitization by *cotesia plutellae* (hymenoptera: braconidae) Journal of Science and Management vol. I (1): 72-77.

- 7. Viraktamath, C.A. and Gnaneswaran, R. (2009) Three new species of Goniagnathus (Hemiptera: Cicadellidae) from the Indian subcontinent with description of a new subgenus Zootaxa, 2224: 51-59.
- 8. **Gnaneswaran, R.,** K.S. Hemachandra, D. Ahangama and H.N.P. Wijayagunasekara and Wahundeniya, I (2008) Species of Nephotettix Matsumura (Hemiptera: Auchenorhyncha: Cicadellidae) in Sri Lanka. Short communication: Trop. Agri. Res. 20: 414-418.
- 9. Gnaneswaran, R., C. A, Viraktamath, , K. S. Hemachandra, D. Ahangama and H.N.P. Wijayagunasekara and Wahundeniya, I (2008). Typhlocybine leafhoppers (Hemiptera: Auchenorhyncha: Cicadellidae) associated with horticultural crops in Sri Lanka, Trop. Agri. Res. 20: 1-12.
- 10. **Gnaneswaran, R.,** K.S. Hemachandra, D. Ahangama and H.N.P. Wijayagunasekara and Wahundeniya, I (2006).Diversity of leafhoppers (Hemiptera: Auchenorhyncha: Cicadellidae) associated with paddy and vegetable ecosystems in mid country of Sri Lanka. Sri Lankan J. Agric. Sci. 43: 133-143 (Journal was printed in 2008).
- 11. **Gnaneswaran**, R., Hemachandra, K.S., Viraktamath, C.A. Ahangama, D. Wijayagunasekara, H.N.P and Wahundeniya, I. (2007) Idioscopus nagpurensis (Pruthi) (Homoptera: Cicadellidae: Idiocerinae): A new member of mango leafhopper complex in Sri Lanka. Trop. Agri. Res. Vol. 19: 78-90.
- 12. Gnaneswaran, R and Wijayagunasekara, H.N.P. (1999) Survey and Identification of insect pests of oyster Mushroom (Pleurotus ostreatus) culture in Central Province of Sri Lanka. Trop. Agric. Res. And Extension. Vol 2(1):21-25.
- 13. Gnaneswaran, R and Wijayagunasekara, H.N.P. (1998) Effectiveness of Acorus calamus L in controlling Cyllodes bifacies (Walker) (Coleoptera: Cucujoidea: Nitidulidae), in (Pleurotus ostreatus) (Jacq.Fr. (Oyster Mushroom) cultures. Sri Lankan J.Agric.Sci. Vol.35 (79-86).
- 14. Gnaneswaran, R and Wijayagunasekara, H.N.P. (1996) Biology of Cyllodes bifacies (Walker) (Coleoptera : Cucujoidea: Nitidulidae) a pest Mushroom (*Pleurotus ostreatus*) in Sri Lanka. Trop. Agri. Res. Vol. 8: 377-390.
- 15. **Gnaneswaran**, R. Hemachandra, K.S and Viraktamath, C.A (2008) Leafhopper fauna (Hemiptera: Auchenorrhynhca: Cicadellidae) in Peradeniya, Sri Lanka. Proceedings of the BIOCAM 2008, International Symposium held on February, in cochin, India. P.104-108.

- **RESEARCH COMMUNICATIONS** At Symposium /conferences as oral presentations/ posters
- 1. Tiruni NA., T.Eswaramohan and R.Gnaneswaran (2017) Gastropods Diversity (Gastropoda; Mollusca), in Thondaimanaru Lagoon Northern Province, Sri Lanka, presented at VCIRS 2017 -Vavunya Campus International Research Symposium- on 9th August 2017.
- 2. Gnaneswaran, R (2016) Hemipteran fauna of Sri Lanka- Current status of taxonomy and diversity- at the joint Conference on "Insect Biodiversity Studies - where does India stand in the global map "held at Department of Animal Science in central University of Kerala, India during 29-31 march 2016.
- 3. Piratheepa Sivakumar, Rajendramani Gnaneswaran and Eswaramohan Thamboe (2015) "Diversity of Crabs and Shrimps in Thondamanaru Lagoon, Jaffna, Sri Lanka." Proceedings of the Second International Conference on Agriculture and Animal Science-2015 - on 28-29 December 2015 Colombo, Sri Lanka.(Abstract) P- 28.
- 4. Prishanthini, M., Vinobaba, M. and **Gnaneswaran, R.** (2015) Association of the ants and the cotton mealybug, Phenacoccus solenopsis (Tinsley) population and its influence on the spread of mealy bugs in the home-gardens. Proceedings of the 10th ANeT International Conference, 23 - 26 October 2015. Department of Zoology and Environmental Management, University of Kelaniya. (Abstract) p. 40-41.
- 5. Gnaneswaran, R. Eswaramohan, T and Sivakumar, P (2015) Degradation of Mangrove forest in Thondamanaru Lagoon Ecosystem, Jaffna, Sri Lanka. Ileperuma, OA, Privantha, N, Yatigammana, SK, Wijesundara, C. and Madawala HMSP (editors) (2015): Symposium Proceedings, Fourth International Symposium on Water Quality and Human Health: Chanllenges Ahead, 01 & 02 August, PGIS, Peradeniya, Sri Lanka. P-26.
- 6. **Gnaneswaran, R. (2015)** "Integrated Biodiversity Management" presented at the Theme seminar on "Exploring new ways to protect Environment" at the 27 st annual session of Jaffna Science Association , held from 2nd-4th April 2014 in Jaffna Sri Lanka (published in the proceedings of JSA Vol.21 (2) Page. 62-69.
- 7. **Gnaneswaran, R. (2014)** "Ecology of Idiocerine Leafhoppers (Hemiptera: Cicadellidae: Idiocerinae)" of Sri Lanka" Presented in World Biodiversity Conference - WBC -2014 held from 24th -27th November 2014, in Colombo, Sri Lanka. Abstract Proceeding Page 88.
- 8. M. Prishanthini, M.Vinobaba, **R. Gnaneswaran** and J.Poorani (2014) Diversity of Hymenopteran Parasitoids infecting on Mealybug Populations from the Low Country Dry Zone of Sri Lanka. Presented in World Biodiversity Conference - WBC -2014 held from 24th -27th November 2014, in Colombo, Sri Lanka. Abstract Proceeding Page 93.
- 9. Nilani, K and R. Gnaneswaran (2014) A preliminary study on spider fauna associated with the mangrove ecosystem in Mandaitivu, Northern Sri Lanka.

- Proceeding of 1st Ruhuna International Science and Technology Conference (RISTCON), University of Ruhuna, Matara, January 22-23 p 61.
- 10. **Gnaneswaran, R. (2013)** Key to the members of Hemiptera with emphasis on potential vectors for phytoplasma – associated with coconut plantation in Weligama Sri Lanka. Presented in International Conference on Biodiversity-2013 held from 16th -17th December 2013, Abstract Proceeding Page 21.
- 11. Prishanthini Muthulingam, Muthuladchumy Vinobaba and Rajendramani **Gnaneswaran Gnaneswaran, R.** (2013). Diversity and distribution of mealy bug pests (Hemiptera: Pseudococcidae) affecting fruit and vegetable crops in the Northern and Eastern parts of Sri lanka. Presented in International Conference on Biodiversity-2013 held from 16th -17th December 2013, Abstract Proceeding Page 26.
- 12. Gnaneswaran, R. (2013) Studies on Soil Macro fauna in Jaffna, Sri Lanka: Present status and future plan Presented in 1st National Symposium on Soil Biodiversity-2013 Abstract in Proceeding Page
- 13. Muthulingam, P., M.Vinobaba and R.Gnaneswaran (2013) Incidences of mealy bugs from the Banana and Plantain crops (Musa sp.) in the Jaffna District, Sri Lanka. Printed as paper Proceedings of AgriAnimal 2013- ISSN 2279-3682 – pages 556-575.
- 14. Gnaneswaran. R (2013) 'Insect fauna of Jaffna Peninsula' Presented at the National symposium on the Biodiversity of the Northern Province of Sri Lanka , 29th and 30th April 2013
- 15. **Gnaneswaran, R.** (2011). A Review of the genus *Harmalia* Fennah 1969 (Hemiptera: Delphacidae) recorded from Sri Lanka with the description of Harmalia heitensis otho Fennah 1975. Presented at 1st World Congress for Haridwar, India. 11th-13th November 2011. Man and Nature-2011, Proceedings Part I abstract P.90.
- 16. Gnaneswaran, R. And Hemachandra, K.S. (2010) Taxonomic studies on Typhlocybine leafhoppers (Hemiptera: Typhlocybinae) in the Central Province of Sri Lanka. Presented at 15th International Forestry and Environment Symposium 2009, Nugegoda, Sri Lanka. 26th -27th November 2010. Proceedings Part. I abstract P.48.
- 17. **Gnaneswaran, R.,** Hemachandra, K.S., Wijegunasekara, H.N.P. and Ahangama. D. 2009. A Key for identification of Deltocephaline Genera (Hemiptera: Cicadellidae: Deltocephalinae) Associated with Vegetable ecosystem in Sri Lanka. Short communication: *Tropical agricultural research*, 21(4):421-426.
- 18. Gnaneswaran, R. Viraktamath, C.A. and Hemachandra, K.S. (2009) Taxonomic studies Deltocephaline leafhoppers (Hemiptera: Cicadellidae: Deltocephalinae) of Sri Lanka. Presented at 14th International Forestry and Environment Symposium 2009, Nugegoda, Sri Lanka. 18th -19th December 2009. Proceedings Part. I abstract p.62.
- 19. **Gnaneswaran**, R. and Viraktamath, C.A. (2009) Harmalia heitensis otho Fennah 1975 (Hemiptera: Delphacidae)- A new pest of Alternanthara sessilis (L.) (Amaranthaceae) in Sri Lanka. Presented at the 4th National symposium

- on Invasive Alian species, Negombo, Sri Lanka, 21-22nd May 2009, abstract.
- 20. Shanmugasundaram. J and Gnaneswaran. R. (2008) Effect of age of Plutella xylostella (Lepidoptera: Yponomeutidae) larvae on parasitoid development and its suitability for parasitization by Cotesia plutellae (Hymenoptera: Braconidae) proceedings of VCARS-2008. Abstract P.60.
- 21. **Gnaneswaran, R.** Hemachandra, K.S and Viraktamath, C.A (2008) Leafhopper fauna (Hemiptera: Auchenorrhynhca: Cicadellidae) in Peradeniya, Sri Lanka. Proceedings of the BIOCAM 2008, International Symposium held on 3rd-6th February, in Cochin, India.
- 22. Gnaneswaran R. and P. Sundaralingam (2006) Influence of Anthropogenic activities on the abundance and diversity of dragonfly fauna (Odonata: Anisoptera) in artificial pond habitats in Jaffna District: Sri Lanka. Presented at the International Conference on Humid Tropical Ecosystems: Changes Challenges and Opportunities, Kandy, Sri Lanka, 4 -9th December 2006, abstracts p. 91.
- 23. Gnaneswaran, R. (2006) Diversity and significance of Insect fauna associated with mangrove ecosystem. A review paper presented at the International symposium on "The issues and challenges of the 21st century" Sabaragamuwa University of Sri Lanka, 4th-8th July, abstracts p.45.
- 24. Piranavamalar, T. And R. Gnaneswaran (2006) Plant hoppers (Homoptera: Fulgoroidea associated with the rice field ecosystem in Chunnagam Jaffna, Proceedings of the Jaffna Science Association abstracts, p.22.
- 25. Sundaralingam. P. and R.Gnaneswaran (2006) Survey and identification of Dragonflies (Odonata) in Valligamum region, Jaffna, Sri Lanka. proceeding of the Jaffna Science Association abstracts. P.19.
- 26. Subashini Visuvalingam and Rajendramani Gnaneswaran (2003). Possibility of identifying nymphal instar stages in *Amrasca biguttula* (Ishida) (Homoptera: Cicadellidae) by head capsule width and wing bud length. Proceedings of Jaffna Science Association. Vol 11(1), Abstracts P4.
- 27. Seyon,P and Rajendramani Gnaneswaran (2003) Assessment of non Apis bee pollinators (Hymenoptera: Apoidea) in Valligamum region. Jaffna Proceedings of Jaffna Science Association. Vol 11(1), Abstracts. P2
- 28. Jamuna. S. and Rajendramani Gnaneswaran (2003) A study of lifecycle of Plutella xylostella (I) (Lepidoptera: Plutellidae) a pest on cabbage in Jaffna, Sri Lanka. Proceedings of Jaffna Science Association. Vol 11(1), Abstracts P1.
- 29. **Gnaneswaran, R** and Ganesalingam, V.K. (1993) Ecology and Biology of Scale Insects (Homoptera: Coccoidea) in Jaffna Peninsula. Proceeding of the second Annual Session of Jaffna Science Association, abstracts. P.4.

ARTICLES IN NEWS PAPER

- a. White backed plant hopper *Sogatella furcifera* that dominated in Thenmaradchi paddy field area!! The reason is what? Or who? (In tamil) author: **Dr. Mrs. R. Gnaneswaran** issue: Valampuri 04-01-2013 page 08
- b. "Was the sudden outbreak of a planthopper which became as enemy of agricultural crops"caused by 'Nisha Cyclone'? (in Tamil)

 Author: **R.Gnaneswaran** Issue: Uthayan 15.02.2009 page 04
- c. இலங்கையில் திடீரென உட்புகுந்து பல்கிப்பெருகியுள்ள அந்நிய மாவுப்பூச்சி இனங்களும் அவற்றின் எதிரிகளும். Author: **R.Gnaneswaran** Issue: Uthayan -24-08-2009 page 06 invasive alien mealy bugs and their enemies - in tamil)
- d. உணவு உற்பத்தியை பெருக்க மகரந்த காவிகளை பற்றி அறிந்து கொள்ளுவோம் [Lets learn pollinators for increase food production (tamil)]Author: **R.Gnaneswaran** Issue : Uthayan 27.11. 2016 page 17,18,19.
- e. Invasive alien species $\,$ part I, II, III (Uthayan daily news paper in Tamil 14^{th} January, 26^{th} March and 20^{th} April 2017
- f. இயற்கை ஒரு கொடை- அதை சீண்டிப்பார்க்கலாமா ? (Nature is the Gift!) (tamil)]Author: **R.Gnaneswaran** Issue: Uthayan 13.01. 2018 page 14-15.
 - **14. WORKSHOPS / TRAINING PROGRAME / SEMINAR CONDUCTED** (Contributed as coordinator and/or resource person)
 - a. Contributed as resource person on capacity building workshop under the theme Green production to the field officers in Vadamaradchi south-west divisional Seretariat office organized by DS office on 25th of May 2017 at Karaveddy, Jaffan, Sri Lanka.
 - b. Conducted and capacity building workshop on "Mangrove conservation and management to the administrative officers, in Jaffna District on 24th March-2017 Organized by the Biodiversity Secretariat of the state ministry of Mahaweli development and Environment and Department of Zoology University of Jaffna, University of Jaffna, at District Secretariat Jaffna and contributed as one of the resource person at the workshop.

- *c.* Contributed as resource person in Training Programme **Environmental Sensitive Subjects Areas For Science Teachers** from 7th -9th December 2016, organized by National Ozone unit, Ministry of Environment and Mahaweli Development, in Jaffna. Title of the talk is " Invasive alien species"
- d. Conducted a workshop on " Lets learn our pollinators" to identify and conserve native pollinators, to general public on 19th August and 19th September 2016- jointly organized by the Biodiversity secretariat of the state ministry of Mahaweli development and Environment and Department of Zoology University of Jaffna, University of Jaffna, at Chavakachcheri, Jaffna . Sri Lanka.
- Conducted a workshop on " Lets learn our pollinators" to identify and conserve native pollinators, to school students and staff on 12th September 2016- jointly organized by the Biodiversity secretariat of the state ministry of Mahaweli development and Environment and Department of Zoology University of Jaffna, University of Jaffna, at Chavakachcheri, Jaffna, Sri Lanka.
- f. Contributed as resource person in **Training Programme on Vector Identification and Incrimination For** Medical Entomologist in health from 16-18th March 2016, Held at the Department of Zoology, University of Jaffna.
- g. Contributed as resource person in "Workshop for G.C.E A/L Agricultural Science Teachers and In-service subject Advisors- Agricultural Sciences -2013 at Kaladdy TMV, Jaffna, and Organized by Provincial Department of Education, Northern Province and Jaffna Science Association Section B from 26th to 28th September 2013.
- h. Contributed as resource person in "Ecological and Biodiversity field study for the Biology teachers and students of Vavuniya District, Organized by Field Study Centre, Vavuniya and Jaffna Science Association (Section A)during 2nd -3rd of August 2013.
- i. Contributed as resource person in "Workshop on Biodiversity **Conservation**" Organized by Jaffna Science Association in collaboration with Department of Education, Northern Province and Sri Lanka Association for the Advancement of Science on 16th of June 2012.
- j. Contributed as resource person in "G.C.E. (A/L) Practical Training for Biology Teachers held from 19th to 20th March 2012, at the University of Jaffna, Organized by National Institute of Education, Maharagama.

- k. Contributed as resource person in "Biology Workshop for A/L teachers" Organized by Jaffna Science Association. 19th – 20th of October 2011.
- l. Contributed as a resource person in 4 days workshop organized by the Educational Publications Department at the Institute of Construction, Training and Development Centre, Battaramulla, Sri Lanka on 8th -11th February, 2011.
- m. Contributed as a resource person in a Two days' workshop on "Identification of leafhoppers associated with Coconut ecosystem Sri Lanka" held on 17th and 18th of June 2010 at Faculty of Agriculture, University of Peradeniya, Sri Lanka, which was organized by Sri Lanka Council for Agriculture Research Policy.
- n. Contributed as a resource person in a one day work shop on "**Identification** of common leafhoppers in Sri Lanka" held on 22nd December 2008 at Faculty of Agriculture, University of Peradeniya, Sri Lanka, which was sponsored by Sri Lanka Council for Agriculture Research Policy.
- o. Resource person in "Training Course for teachers on selected topics in G.C.E. (A/L) Biology" Organized by Jaffna Science Association. 15-23rd of May 1999.

15. **INVITED PRESENTATION / TALKS**

- a. Invited as Plenary speaker- in the session 'Insect Taxonomy and Phylogeny' at the joint Conference on "Insect Biodiversity Studies - where does India stand in the global map "held at Department of Animal Science in central University of Kerala, India during 29-31 march 2016. Delivered a talk on " Hemipteran fauna of Sri Lanka- Current status of taxonomy and diversityp.14-15
- b. Delivered a talk on "Conserve pollinators to increase food production" as invited presenter to the World Environmental Day- Celebration on 5th of June 2013 held at the Faculty of Science, University of Jaffna, Organized by Jaffna Science Association, Section A.

- c. Delivered a talk on "Integrated Biodiversity Management in Agroecosystem As a way for protection of Environment" as invited presenter to theme seminar at Twentieth annual session of Jaffna Science Association in 2013, Jaffna, Sri Lanka. (published in the proceedings of JSA Vol.21 (2) Page. 62-69.
- d. Delivered a talk on "Mangrove insects and their ecosystem functions" as invited presenter 4th of July 2014 at the Faculty of Science, University of Jaffna, Organized by Biological Society, Faculty of Science.
- e. Invited as Chief Guest for the Science Day programme at M/Pakiyam Ladies college and Delivered a talk on "Biodiversity conservation" 11th October 2012

16. SEMINAR, WORKSHOPS AND TRAINING ATTENDED

NATIONAL

- **SHORT COURSES / TRAINING**
- a. Short course on "The Economics of Ecosystem Services and **Biodiversity"** "conducted by the Board Of Study in Agricultural Economics, Post Graduate Institute of Agriculture, University of Peradeniya. From – 21st-22nd January 2016.
- b. Course in "Business Communication Skill" Conducted by the British council Sri Lanka between 5 April and 21 June 2015.
- c. Short course on "Design and Analysis of Experiments "conducted by the Board Of Study in Biostatistics, Post Graduate Institute of Agriculture, University of Peradeniya. From – 28th- 30th April 2014.
- d. Short course on "Multivariate Data Analysis" conducted by the Board Of Study in Biostatistics, Post Graduate Institute of Agriculture, University of Peradeniya. From 24th to 26th February 2014.
- e. Short course on "Sampling Techniques, Survey design and Analysis" conducted by the Board Of Study in Biostatistics , Post Graduate Institute of Agriculture, University of Peradeniya. From 4th to 6th September 2013.

f. Short course (51st) on "GIS and Applications conducted by , Post Graduate Institute of Science, University of Peradeniya. From 1st to 6th April 2013.

WORKSHOP ATTENDED

- a. Workshop on "Classification of Pesticides" held on 16th December 2011, at University of Peradeniya, Organized by Sri Lanka Council for Agricultural Research Policy
- b. National workshop on "Finalization of the National Priorities in Plant Protection for incorporating into the National Agricultural Research Plan 2012 "held on 9th May 2011, at RRDI Bathalagoda organized by Sri Lanka Council for Agricultural Research Policy, Colombo.
- c. National workshop on "Development of Management Strategies for Weligama Coconut Leaf Wilt Disease "held on 28th March 2011, at Colombo organized by Sri Lanka Council for Agricultural Research Policy, Colombo.
- d. Workshop on "Research conducted on Vector Transmission Studies in the Agricultural Crop Sector" held on 29th November 2010, at Sri Lanka Council for Agricultural Research Policy, Colombo.
- e. Workshop on Bio safety: Risk Assessment and Management of Genetically Modified Organisms, Food, Feed and Processed Products" Organized and conducted by The Board of study in Agricultural Biology, PGIA, University of Peradeniya Sri Lanka from 7th to 9th September 2010.
- f. Workshop " ICES-INASP Research Writing Skills " conducted by International Net Work for the Availability of Scientific Publications (INASP) UK and International Centre for Ethnic Studies (ICES) Kandy, at Kandy Sri Lanka, from 15th to 19th March 2010.
- g. Attended the "Capacity Building Training programme for the Clearing House Mechanism of the Convention on Biological Diversity in South **Asia**" Organized by the South Asia Co-operative Environment Programme, in Colombo, Sri Lanka from 19th to 22nd March 2007.
- h. Workshop on "Identification of common Ants of Sri Lanka" conducted by Postgraduate Institute of Science, University of Peradeniya 13th -15th February 2007.

i. Work shop on "Introduction of Ecological data analysis using univariate and multivariate techniques" Organized by postgraduate Institute of Science, University of Peradeniya 4th and 5th January 2006.

4 INTETNATIONAL

SHORT COURSES /TRAINING

- 1. International Training Course on "Coastal Biodiversity in Mangrove Ecosystem" at Centre of Advanced Study in Marine Biology of Annamalai University, Parangipettai, India, during June 14-28, 2005.
- 2. Training programme on "**Insect systematics**" at Indian Agricultural Research Institute, New Delhi, India, from January-April 2004.

WORKSHOP

- 1. International workshop on "**Parasitic Hymenoptera where and how**" held from 21st-25th of September 2015, at Annamalai University, Chidambaram, India.
- **2.** Workshop on Emerging Opportunities for the **Mass Production & Quality Assurance of Invertebrates**, organized by International Organization for Biological Control, at Bangalore, India, during 6th -8th November 2013.

17. NATIONAL/INTERNATIONAL SYMPOSIUM PARTICIPATED:

- 1. Second International symposium of on Mangrove conservation and management
- 2. International symposium on SUSTAINABLE MANGROVE ECOSYSTEMS at Bali, Indonesia, during 18th -21st April 2017.
- 3. Intenational conference on on "Insect Biodiversity Studies where does India stand in the global map "held at Department of Animal Science in central University of Kerala, India during 29-31 march 2016.
- 4. International Symposium on WATER QUALITY AND HUMAN HEALTH: CHALLANGES AHEAD held on 1-2 August 2015 in Peradeniya, Kandy, Sri Lanka.
- 5. International Conference on WORLD BIODIVERSITY CONFERENCE WBC -2014 held from 24th -27th November 2014, in Colombo, Sri Lanka. Participated as presenter and co-chair
- 6. National Conference on Conservation and Utilization of Pollinators and presented "Conservation of Pollinators through raising awareness among local communities in

- Jaffna Peninsula" during 30th June 1st July 2014 at National Botanical Garden Auditorium, Peradeniva.
- 7. International Conference on Bio-Diversity-2013, During 16th and 17th December 2013 Colombo Sri Lanka
- 8. 1st National symposium on Soil Biodiversity-2013, held at Colombo Sri Lanka on 10th and 11th December 2013
- 9. 1st National symposium on Marine Environment held at Induruwa Beach Resort on 27th and 28th August 2013
- 10. National symposium on the Biodiversity of the Northern Province of Sri Lanka Jaffna, Sri Lanka 29th and 30th April 2013
- 11. Jaffna University International Conference (JUICE) 2012, Jaffna Sri Lanka 20th 21th July, 2012
- 12. International Conference- Meeting on Mangrove Ecology. Functioning and Management MM3 2012, Galle, Sri Lanka 2nd – 6th July, 2012
- 13. 1st World Congress for Man and Nature 2011. Haridwar, India, 11th 13th November, 2011.
- 14. 15th International Forestry and Environment Symposium 2010, University of Sri Javawardenepura, Sri Lanka, November 26th - 27th 2010.
- 15. International Forestry and Environment Symposium 2009, University of Sri Jayawardenepura, Sri Lanka, December 18th -19th 2009.
- 16. 4th National symposium on Invasive Alian species and management, 2009, Negombo, Sri Lanka 21st -22nd May 2009.
- 17. International symposium on Biodiversity Conservation and management (BIOCAM) 2008, Cochin, India 3rd-6th February 2008.
- 18. International Conference on Humid Tropical Ecosystems: Challenges and Opportunities, Kandy, Sri Lanka, 4-9th December 2006.
- 19. International symposium on "The issues and Challenges of the 21st centaury " Sabaragamua University of Sri Lanka, 4th-8th July 2006
- 20. Participated as Co-chair at the Annual Session 2015 of Jaffna Science Association (ISA), University of Jaffna, Sri Lanka.

18. CONSULTANCY -

Extended services as an ENTOMOLOGIST, ENVIRONMENTALIST

- ✓ National Steering Committee Member for UNDP/GEF/SGP Phase V and Phase VI
- ✓ Reviewer to the provincial profile on IAS in Northern Province, organized by Biodiversity Secretariat, Ministry of Mahaweli Development and Environment, held on27th September 2016 at Kilinochchi.
- ✓ Reviewer in National/International symposium

- 10th Annual Research session -2011 at The Eastern University of Sri Lanka
- Jaffna University International Conference (JUICE) 2012
- Annual sessions of the Jaffna Science Association 2009/2010/2011/2012/
- 2013
- Asian Pacific Journal of Tropical Biomedicine (APJTB) 2013
- International Journal of Environment (IJE) From 2013- to date (Editorial
- Board member)
- International University of Peradeniya Research Conference- 2014
- Ministry of Environment and Renewable energy publication -2014
- Journal of Insect Biodiversity -2014
- International conference on dry zone agriculture (ICDA 2015), University
- of Jaffna Sri Lanka.
- 04th International Conference on Agriculture and Forestry (ICOAF 2017)
- \checkmark Resource person in the workshop on quality development of the text books organized by the Educational publication Department , for the Science subject , in February , 2011
- ✓ Consultant in identification of leafhoppers for the project Titled as 'Development of a management program for the insect vector (Deltocephalus menoni: Hemiptera: Cicadellidae) of sugarcane white leaf disease. Which is carried out By SugarCane Research Institute, Sri Lanka. –since 2013
- ✓ Consultant in identification of a as "sudden outbreak of a stinking caterpillar" in a School premises, of Jaffna Hindu Ladies College to support the school Medical Officer
- ✓ Taxonomist in identification of pest insect species for following research institutes-
 - Coconut research Institute Lunuwila in Weligama coconut leaf wilt disease management
 - Department of Export Agriculture, Matale
 - Department of plant quarantine, Katunayake in Papaya mealy bug menace.

19. SOCIAL AND WELFARE ACTIVITIES - through

Organized several activities to disseminate knowledge to other stakeholders (especially among the community) through developing capacity building among the Zoology graduates,

to serve the nation towards sustainable development on ecological perspective. Initiated and formed a student body of the Department of Zoology – **ZSA** (**Zoological Student Association**) in **2013**, since then serving as a patron of the Association.

> Activity 1.

As a Patron of the Student Body (ZSA) Guided to be Volunteering with community based organizations (CBOs) For UNDP/GEF/SGP Funded Projects

The following three CBOs are carrying out environmental conservation through community development projects funded by UNDP/ GEF/SGP from 2014 with the voluntarily participation (ZSA Department of Zoology, University of Jaffna.

- **Project1:** "Sustainable Organic Home Gardening with the mitigation of climate change (drought) in Maravanpulo GS J- 298 Jaffna district" Maravanpulo Thirumagal Mathar Thrift and Credit cooperative Society (Ltd), Maravanpulo, Chavakachcheri.
- **Project 2:** "Replantation of Indignous plants through Thellipalai Ayrveda hospital and Create herbal based livelihoods in the resettlement areas of Thellipalai, Jaffna" by Kaarunya Foundation, Jaffna.
- **Project 3.** "Improve flow of agro ecosystem and forest ecosystem services to sustain livelihood of local communities by providing protection for agriculture crops from "Monkey's damages" in Thenmaradchy area" By Chavakachcheri Fruit Producers and Sales Co-operative society (CFPS).

> Activity 2

A Training workshop conducted by the applicant in 2016, on request of the Biodiversity secretariat, Ministry of Environment and Mahaweli Development, targeted general public and II ry school community as an awareness on Pollinator conservation

http://www.environmentmin.gov.lk/web/images/pdf/2016/october%202016%20english.pdf

> Activity 3

Annual Northern Provincial Agricultural Exhibition- 2017",

Organized and displayed exhibits at the Sustainable Agriculture through Integrated Biodiversity Management in the *Annual Northern Provincial Agricultural Exhibition- 2017*", held from 19th to 23rd of September 2017. With the fullest activity of A team of ZSA members

The ultimate goal of this journey was to educate the farmers and the public on how they could / can minimize the use of chemicals in their home gardens/ open farm lands while targeting their highest yield in each harvest.

20. SPECIAL TRAINING OBTAINED

- 1. Training on Insect systematics at Indian Agricultural Research Institute, New Delhi, India, in 2004 Under Dr . VV Ramamoorthy
- 2. Training Coastal Biodiversity in Mangrove Ecosystem at Centre of Advanced Study in Marine Biology of Annamalai University 2005 Under Professor K.Kathiresan
- 3. Training on Leafhopper taxonomy at the Entomology Systematic Laboratory, UAS, Bangalore Under Professor CAViraktamath
- 3. Training on Parasitic Hymenoptera at Entomology Division Annamalai University, Chidambaram, India Under Professor S. Manikkavasagam

21.REFEREES

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I certify that the particulars given by me above are true and correct.

Date: august 2019 Signature