

**PERFORMANCE APPRAISAL REPORT-I
SELF APPRAISAL**

A. General information :-



- a) Name : **Dr. A. JEYASANKAR**
b) Address (Residential) : 15/5, JPN Villa, GV Gopal Nagar,
NSN Palayam, Coimbatore – 641 031.
c) Designation : Associate Professor
d) Department : Zoology
e) Date of Birth : 03.04.1972
f) Area of Specialization : Entomology

B. Academic Qualifications

Exam Passed	Board/University	Subjects	Year	Division/ Grade/Merit etc.
High School	Board of secondary Education	Tamil, English, Maths, Science, History & Geography.	1990	I Class
Higher secondary	Board of Higher secondary Education	Physics, Chemistry, Botany & Zoology	1992	II Class
Bachelor's degree(s)	B.Sc., Madurai Kamaraj University, Madurai.	Zoology	1996	I Class
Master's degree(s)	M.Sc., Madurai Kamaraj University, Madurai.	Zoology	1998	I Class
Research degree(s)	M.Phil Madurai Kamaraj University, Madurai.	Zoology	1999	I Class
Others (Degrees, Diplomas) Certificates etc.	Ph.D. Madras University, Chennai.	Zoology	2006	Commended

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C. Research Experience & Training

Research Stage	Title of work/Thesis	University where the Work was carried out
M.Phil. or equivalent	Bioenergetics of silkworm <i>Bombyx mori</i> L. reared on fortified mulberry leaves)	Madurai Kamaraj University, Madurai.
Ph.D.	Studies on biological activities of <i>Syzygium lineare</i> Wall. (Myrtaceae) against armyworm, <i>Spodoptera litura</i> Fab. (Lepidoptera:Noctuidae)	Madras University, Chennai.
Post-Doctoral	Chemical Ecology of Insects/ Insect-Plant Interaction.	Department of Entomology, ARO, Ministry of Agriculture, Bet Dagan, ISRAEL
Publications (give a list separately)	Please Refer Appendix - A	----
Research Guidance (give names of students guided successfully)	Please Refer Appendix - B	----
Training (please specify)	Please Refer Appendix - C	----

D. Research Projects carried out

Externally Funded Projects				
PI	Title	Year	Amount	Funding agency
Dr. A. Jeyasankar	Exploration of plant resources for the production of eco friendly botanical Pesticide to control insect pests.	2013-2016	1061300/-	UGC, New Delhi
Dr. A. Jeyasankar	Characterization of novel phytopesticidal compounds against important human vector mosquitoes.	2014-2015	4,82000/-	TNSCST S &T Tamil Nadu
Dr. A Jeyasankar	Evaluation of Mosquitocidal Property of Diketone against Medically Important Human Vectors (Diptera: Culicidae)	2017-2018	7,00,000	ICMR, New Delhi

E. Seminars, Conferences, Symposia Workshops etc. Attended:

Name of the Seminar/ Conference/Symposia Workshop,etc.	Name of the Sponsoring Agency	Place and Date
Please	Refer	Appendix - C

F. Teaching Experience:

Courses Taught	Name of University/ College/Institution	Duration
i) U.G. B.Sc.	1. Govt. Arts College , Ooty 2. A.A.Govt. Arts College,Musiri. 3.Govt. Arts College, Coimbatore-18	13.10. 2008 to16.07.2010 17.07. 2010 to27.08.2014 28.08. 2014 to till date
i. PG (M.A./M.Sc./M CA etc)	1. Govt. Arts College , Ooty 2. A.A.Govt. Arts College,Musiri. 3.Govt. Arts College, Coimbatore-18	13.10. 2008 to16.07.2010 17.07. 2010 to27.08.2014 28.08. 2014 to till date
ii. M.Phil	---	--
iii. Ph.D.,	A.A.Govt. Arts College,Musiri .	23.07. 2012 to till date

Total Teaching experience

a) Under-Graduate (Pass)	:	14 Years
b) Under-Graduate (Hons)	:	----
c) Post-Graduate	:	14 Years

G. Innovations/Contributions in Teaching:-

- | | | |
|-----------------------------------|---|--|
| a) Design of curriculum | : | Designed syllabus for B.Sc., M.Sc.,
(Zoology) courses. |
| b) Teaching methods | : | Lecturing, , educational Quiz, group
discussions, seminars. Teaching through
AV aids, Industrial / Institutional visits
and training. |
| c) Laboratory experiments | : | Experiments based on problems solving
ability in accordance with the syllabus ,
Questionnaires and conducting viva-voce. |
| d) Evaluation methods | : | Tests, seminars,problem solving, experiments,
Paper presentation, Watch attentiveness of
the students periodically, Problem solving
Exercises, Projects |
| e) Preparation of resource | : | 1. Mainly prescribed text books |

- material including books, reading materials, laboratory manuals etc.**
2. Consultation with senior professors
 3. Journals Magazines and News papers
 4. Internet
- f) **Remedial Teaching/Student Counseling (academic)** : Special coaching classes, Identifying students' problems, helping them in Solving problems, parental counseling
- g) **Any other** : Periodical counselling to students in the Department/college Guidance and Counselling center.

H. Extension Work/Community Service:-

a) Please give a short account of your contribution to:

- i) Community work such as values of National integration, secularism, Democracy, socialism, humanism, Peace, scientific temper, flood or Drought relief, small family norms etc. : Creating awareness about the basic values, Interpersonal skills, social skills and prosocial behavior among students and members in the community.
- ii) National Literacy Mission : Creating awareness about the importance and value of literacy.
- b) Positions held/Leadership role played in organizations linked with Extension Work and National Service Scheme (NSS) or (NCC) or any other similar activity. : Class Tutor (III – B.Sc.)

I. Participation in Corporate Life:-

Please give a short account of your contribution to:

- a) College/University/Institution : Helping the Principal, HOD in the Departmental activities, Maintaining Discipline in the campus, Motivating the Students to join the entire extra curricular activities, Maintaining Instrument in the Department.
- b) Co-curricular Activities : Organizing and coordinating seminars and club Activities. Helping the students to actualize their Potentials, directing them to participate in various programmes, job fairs conducted by other colleges and companies, industries.
- c) Enrichment of Campus Life(hostels, sports, games, culturalactivities) : Helping/assisting /guiding the Principal, HOD, Colleagues and students to enrich the campus life.

- d) Students welfare and Discipline : Periodical counselling to the students, Their Parents and family members in the Guidance and Counseling center.
- e) Membership/Participation in Bodies/ Committees on Education and National Development : Member- Board of studies, Syllabus framing, External and Internal examiner in Theory and Practical, Doctoral Committee Member for Research Works
- f) Professional Organization of Teachers. : ----
- g) a) Members of professional bodies, societies etc. : Journal of Botanical Research: Membership No. 6549F99A4C
- h) Editorship of journals :

Scientific Research:

- Advances in Entomology

Indian Journal of Advanced Zoology (IJAZ)

Associate Editor

Science alert:

- Journal of Biological Sciences
- International Journal of Zoological Research
- Journal of Entomology
- Asian Journal of Agricultural Research
- Asian Journal of Biological Sciences

Academic Research Journals:

- International Journal of Agricultural Sciences Research

Maxwell Scientific Organization:

- Current Research Journal of Biological Sciences

ARPJ Journal

- Journal of Agricultural and Biological Sciences

RRST Journal

- Recent Research in Science and Technology

SJI Journal

- Scientific Journals International
- International Multidisciplinary Research Journal
- **American-Eurasian Networks for Scientific Information**

Journal of Science, Technology Environment

Editorial Board of member

International Journal of Agricultural Research, Innovation and Technology (IJARIT)

Editorial Board of member

h) Any other information : -----

A. JEYASANKAR

(Signature of the Teacher)

APPENDIX – A

C. Research Experience & Training : List of Publications

I. Publications (International / National):

1. Mor Grinberg-Yaari, **Jeyasankar Alagarmalai**, Efraim Lewinsohn, Rafael Perl-Treves, and Victoria Soroker. 2015. Role of jasmonic acid signaling in tomato defense against broad mite, *Polyphagotarsonemus latus* (Acari: Tarsonemidae). *Arthropod-Plant Interactions*. DOI 10.1007/s11829-015-9372-1.
2. **Jeyasankar, A** and G. Ramar. 2014. Larvicidal properties of *Breyenia vitis-idaea* (Burm.f.) Fischer (Euphorbiaceae) against important vector mosquitoes (Diptera: Culicidae). *J Vector Borne Dis* 51, September 2014, pp. 239–241.
3. **Jeyasankar, A.**, V. Chennaiyan, T. Chinnamani and G. Ramar. 2014. Feeding and Growth Inhibition Activities of *Tragia involucrata* Linn (Euphorbiaceae) on *Achaea janata* (Linn.) (Noctuidae: Lepidoptera) and *Pericallia ricini* (Fab.) (Lepidoptera: Arctidae). *Open Access Library Journal*. 1: e439; 1-7. <http://dx.doi.org/10.4236/oalib.1100439>.
4. G. Ramar and **A. Jeyasankar**. 2014. Phytochemical constituents and Larvicidal activity of *Tragia involucrata* Linn. (Euphorbiaceae) leaf extracts against chikungunya vector, *Aedes aegypti* (Linn.) (Diptera: Culicidae). *Journal of Coastal Life Medicine*. 2(7): 555-558.
5. **Jeyasankar, A.**, T. Chinnamani, V. Chennaiyan and G. Ramar. 2014. Antifeedant activity of *Barleria buxifolia* (Linn.) (Acanthaceae) against *Spodoptera litura* Fabricius and *Helicoverpa armigera* Hübner (Lepidoptera: Noctuidae). *International Journal of Natural Sciences Research*. 2(5):78-84.
6. Sundararasu, K and **A. Jeyasankar**. 2014. Effect of vermiwash on growth and yield of brinjal, *Solanum melongena* (eggplant or aubergine). 5(3): 171-173.
7. **Jeyasankar, A.**, T. Chinnamani. 2014. Bioactivity of *Pseudocalymma alliaceum* (Lam.) Sandwith (Bignoniaceae) against *Spodoptera litura* Fabricius and *Helicoverpa armigera* Hübner (Lepidoptera: Noctuidae). *Journal of Coastal Life Medicine*. 2(4): 302-307.
8. Ramar, G., Suman, T., Elangomathavan, R., and **Jeyasankar, A.** 2014. Larvicidal activity of biologically synthesised silver nanoparticles against dengue vector *Aedes Aegypti* (Culicidae). *Discovery*. 9(23): 65-68.
9. **Jeyasankar, A.**, Premalatha, S and K. Elumalai. 2014. Antifeedant and insecticidal activities of selected plant extracts against Epilachna beetle, *Henosepilachna vigintioctopunctata* (Coleoptera: Coccinellidae). *Advances in Entomology*. 2 (1):14-19.
10. Elumalai K, Mathivanan T, Elumalai A., **Jeyasankar A.**, Dhanasekaran S. and Krishnappa K. 2013. Larvicidal and ovicidal properties of selected Indian medicinal plants extracts against american bollworm, *Helicoverpa armigera* (hub.) (Lepidoptera: Noctuidae). *International Journal of Interdisciplinary Research and Reviews*. 1 (7): 5-11.

11. Premalatha, S., **Jeyasankar, A.**, and K. Elumalai. 2013. Antimicrobial activity of *Fumoria officinalis* and *Ipomea carnea*. *International Journal of Interdisciplinary Research and Reviews*. 1 (5):5-9.
12. **Jeyasankar, A.**, K. Elumalai, N. Raja and S. Ignacimuthu. 2013. Effect plant chemicals on oviposition deterrent and ovicidal activities against female moth, *Spodoptera litura* (Fab.) (Lepidoptera:Noctuidae). *International Journal of Agricultural Science Research*. 2(6): 206-213.
13. Krishnappa, K, Mathivanan, T, Elumalai, A, **Jeyasankar, A.**, Dhanasekaran, S and Elumalai. K. 2013. Evaluation of *Cissus Quadrangularis* and *Combretum Ovalifolium* Medicinal Plants Extracts against Medically Important Human Malarial Vector Mosquito *Anopheles Stephensi* Liston (Diptera:Culicidae). *International Journal of Interdisciplinary Research and Reviews*. 1 (4):11-18.
14. S. Premalatha, K. Elumalai and **A. Jeyasankar**. 2013. Mosquitocidal properties of *Solanum trilobatum* L. (Solanaceae) leaf extracts against three important human vector mosquitoes (Diptera: Culicidae). *Asian Pacific Journal of Medicine*. 6 (11): 854-858.
15. Premalatha, S., **A. Jeyasankar.**, K. Krishnappa and K. Elumalai. 2013. Screening of some selected indigenous plants for antibacterial activity. *International Journal of Interdisciplinary Research and Reviews*. 1(2):65-72.
16. **Jeyasankar, A.**, S. Premalatha ., K. Krishnappa and K. Elumalai. 2013. Larvicidal activity of *Barleria prionitis* (Acanthaceae) against Japanese encephalitis vector, *Culex tritaeniorhynchus giles* (diptera: culicidae). *International Journal of Interdisciplinary Research and Reviews*. 1(2):116-120.
17. **Jeyasankar, A.**, S. Premalatha and K. Elumalai. 2012. Biological activities of *Solanum pseudocapsicum* (Solanaceae) against cotton bollworm, *Helicoverpa armigera* Hübner and armyworm, *Spodoptera litura* Fabricius (Lepidoptera:Noctuidae). *Asian Pacific Journal of Biomedicine*. 2(12):981-986.
18. **Jeyasankar, A.**, S. Premalatha and K. Elumalai. 2012. Larvicidal activity of *Phyllanthus emblica* Linn. (Euphorbiaceae) leaf extracts against important human vector mosquitoes (Diptera: Culicidae). *Asian Pacific Journal of Tropical Disease*. S 399-S403.
19. **Alagarmalai Jeyasankar**, 2012. Antifeedant, insecticidal and growth inhibitory activities of selected plant oils against black cutworm, *Agrotis ipsilon* Hufnagel (Lepidoptera: Noctuidae). *Asian Pacific Journal of Tropical Disease*. S347-S351.
20. **Jeyasankar, A.**, S. Premalatha and Sudha Jansi Rani. 2012. Bio-efficacy of *Solanum pseudocapsicum* L. (Solanaceae) against black cutworm, *Agrotis ipsilon* Hufnagel (Lepidoptera: Noctuidae). *Journal of Biological Sciences*. 12 (3):174-179.
21. **Jeyasankar, A.**, N. Raja and S. Ignacimuthu. 2012. Impact of *Syzygium lineare* Wall. (Myrtaceae) leaf extracts on haemolymph protein profile of the armyworm, *Spodoptera litura* (Fab.) (Lepidoptera: Noctuidae). *International Journal of Current Research*. 4(3):86-91.
22. **Jeyasankar, A.**, N. Raja and S. Ignacimuthu. 2012. Impact of novel crystal compound 2, 5-diacetoxy-2-benzyl-4,4,6,6-tetramethyl-1,3- cyclohexanedione on feeding physiology and developmental indices of armyworm, *Spodoptera litura* Fab. (Lepidoptera: Noctuidae). *Journal of Entomology*. 9 (4): 231-238.

23. Vidya.S., S. Premalatha., R. Sanil and **A. Jeyasankar**. 2011. Diversity of high altitude insect pests in edible crucifers. *Environmental Science: An Indian Journal*. 6(5):234-237.
24. **Jeyasankar, A.**, N. Raja and S. Ignacimuthu. 2011. Insecticidal compound isolated from *Syzygium lineare* Wall. (Myrtaceae) against *Spodoptera litura* Fab. (Lepidoptera: Noctuidae) *Saudi Journal of Biological Sciences*. 18, 329-332.
25. **Jeyasankar, A.**, N. Raja and S. Ignacimuthu. 2010. Antifeedant and growth inhibitory activities of *Syzygium lineare* Wall. (Myrtaceae) against *Spodoptera litura* Fab. (Lepidoptera: Noctuidae) *Current Research Journal of Biological Sciences*. 2(3): 173-177.
26. **Jeyasankar. A.** 2009. Chemical Ecology of Fruit flies Management –A review. *Journal of Basic and Applied Biology*. 3 (1): 1-5.
27. **Jeyasankar Alagarmalai**, Daniela Dragushich, Ester Nemny-Lavy, Leonid Anshelevich, David Nestel, Anat Zada, Victoria Soroker.2009. Identification of host attractants for Ethiopian fruit fly, *Dacus ciliatus* Loew (Diptera: Tephritidae). *Journal of Chemical Ecology*. 35 (5): 542-551
28. **Jeyasankar Alagarmalai**, Mor Grinberg, Eric Palevsy, Rafael Perl-Treves, Denis Nelson and Victoria Soroker 2009. Host selection by herbivorous mite, *Polyphagotarsonemus latus* (Acari: Tarsonemidae). *Journal of Insect Behaviour*. 22 (5): 375-387.
29. T.V. Dinesh, Beutline Malgija, ManoRanjana Ponraj, Pavankumar Muralakar, JesseJoel Thathapudi , Ruckmani Periyasamy, **Jeyasankar Alagarmalai**, Anna Benedict Balakrishnan, Perumal Samy Ramar, Jannet Vennila James, Jebasingh Bhagavathsingh. 2023. Design of novel pyrimidine based remdesivir analogues with dual target specificity for SARS CoV-2: A computational approach. *International Journal of Biological Macromolecules*.242:124443. <https://doi.org/10.1016/j.ijbiomac.2023.124443>.
30. Ramar Perumal Samy, Stephen Mackessy, **Jeyasankar Alagarmalai**, Mano Ranjana Ponraj, Octávio Luiz Franco, Matthew A Cooper, Matheswaran Kandasamy, Tapan Kumar Mohanta, Jeba Singh, Sakthivel Vaiyapuri. 2023. Purification of PaTx-II from the venom of Australian King Brown Snake and characterization of its antimicrobial and wound healing activities. *International Journal of Molecular Sciences*.24 (5):1-25.
31. Swapna M, K. Elumalai and **A. Jeyasankar**. 2022. GC- MS Analyses of Three Plant Oils *Jasminum Officinale*, *Mentha Piperita* and *Prunus Dulcis*. *Journal of Emerging Technologies and Innovative Research*. 9 (4): e 635-e641.
32. Chinnamani. T, Premalatha S and **Jeyasankar A.** 2021. Evaluation of Mosquitocidal properties of some plants extracts against important Mosquito Vectors. *International Journal of Multi-disciplinary Education Research*. 10-6 (3) 109-116.
33. Mahendrakumar M. **Jeyasankar A** and Elumalai K. 2020. Hypericum hookerianum (Wight and Arn.) as a Potential Bio-Pesticide to Control Cotton Bollworm, *Helicoverpa armigera* (Hübner) (Lepidoptera: Noctuidae). *Asian Journal of Agricultural Research*.14 (2): 34-40.
34. Chinnamani,T,**Jeyasankar A.** and Elumalai K. 2020. *Solanum pseudocapsicum* L. A Potential Pesticide against *Helicoverpa armigera* (Hub.) and *Spodoptera litura* (Fab.) (Lepidoptera: Noctuidae).*Asian Journal of Agricultural Research*.14 (1): 19-27.

APPENDIX-B

C.Research Experience & Training : Research Guidance

I. M.Phil.,

S.No.	Name of the Scholar	Year	FT/PT	University	Pursuing/ Completed/ Awaiting for Viva
1	Gokilamani---	2018	FT	Bharathiar University	Completed
2	Revathi	2019	FT	Bharathiar University	Completed

II.

III. Ph.D. (ZOOLOGY)

S.No.	Name of the Scholar	Year	FT/PT	University	Pursuing/ Completed/ Awaiting for Viva
1.	Mr.K. Sundararasu	2011	PT	Bharathidasan	Submitted
2.	V. Chennaian	2012	FT	Bharathidasan	Pursuing
3.	T. Chinnamani	2012	FT	Bharathidasan	Pursuing
4.	G. Ramar	2013	FT	Bharathidasan	Pursuing
5.	S. Sugashini	2013	PT	Bharathidasan	Pursuing
6.	G.Ganthimathi	2015	FT	Bharathiar	Pursuing

APPENDIX – C

E. Seminars, Conferences, Symposia Workshops etc. Attended:

Seminars /Conferences/Workshop attended

A Workshop on “Quality Research Report Writing”(Exclusively for research supervisors of Bharathidasan University)- on 27th & 28th Feb’2014-Conducted by Curriculum Development Cell, Bharathidasan University, Tiruchirappalli.

Jeyasankar Alagarmalai, Daniela Dragushich, Ester Nemny-Lavy, Anat Zada, David Nestel, and Victoria Soroker. (2009). Identification of host attractants for Ethiopian fruit fly, *Dacus ciliatus* Loew (Diptera: Tephritidae). International Congress of GLOBAL WARMING ON BIODIVERSITY OF INSECTS: Management and Conservation, 9th –12th Feb’2009. Bharathiar University, Coimbatore, India.

G. Ramar , T. Suman, R. Elangomathavan and **A. Jeyasankar**. Larvicidal Activity of Biologically Synthesised Silver Nanoparticles using leaves extract of *Cleistanthus collinus* (Roxb.) (Euphorbiaceae) BIOSUMMIT- ICNBM, Hindustan Educational and Charitable Trust, Coimbatore (Feb 27 & 28, 2014).

Jeyasankar .A and Ramar .G. Larvicidal And Pupicidal Activity Of *Solanum pseudocapsicum* (Solanaceae) Against Filarial Vector Mosquito, *Culex quinquefasciatus* Say (Dipteral: Culicidae) . National Conference On Environmental Issues And Challenges Vision 2020 (Envision 2020) Annamalai University (27TH AND 28TH September 2013,pp-144).

Jeyasankar .A and T.Chinnamani. Bio-Efficacy Of *Solanum Pseudocapsicum* (Solanaceae) Against Economically Important Insect Pests (Lepidoptera : Noctuidae). National Conference On Environmental Issues And Challenges Vision 2020 (Envision 2020) Annamalai University (27TH AND 28TH September 2013,pp-145).

T. Chinnamani and **A. Jeyasankar**. Antifeedant activity of *barleria buxifolia* (acanthaceae) against economically important insect pests. BIOSUMMIT- ICNBM, Hindustan Educational and Charitable Trust, Coimbatore (Feb 27 & 28, 2014).

V. Chennaiyan and **A. Jeyasankar**. Biological activity of *Pouzolzia bennettiana* var. *acuta* (Utiaceae) against armyworm *Spodoptera litura* and Cotton bollworm *Helicoverpa armigera* (Lepidoptera : Noctuidae). BIOSUMMIT- ICNBM, Hindustan Educational and Charitable Trust, Coimbatore (Feb 27 & 28, 2014).