

CURRICULUM VITAE

Dr. A. GANESH KUMAR, M.Sc., M.Phil., Ph.D.,
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I. EDUCATIONAL BACKGROUND

S.No.	Course	Subject	Year	Institute/University	Class	Percentage
1.	S.S.L.C.,	State Board	1997	A.U.M. Hr. Sec. School, Sivakasi	First	62.4
2.	H.Sc.,	State Board	1999	A.U.M. Hr. Sec. School, Sivakasi	Second	50.33
3.	B.Sc.,	Zoology	2003	Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi	First	60.67
4.	M.Sc.,	Zoology	2005	Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi	First	70.97
5.	M.Phil.,	Zoology	2006	St. Xavier's College (Autonomous), Palayamkottai	First	70.00
6.	Ph.D.,	Zoology	2012	St. Xavier's College (Autonomous), Palayamkottai	-	-

II. WORK EXPERIENCE:

a. Teaching Experience

S.No.	Designation	Employer	Period of work	Nature of work
1.	Assistant Professor	Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi	05-12-2016 To 02-01-2020 3 years 1 month and 2 days	Teaching, project guidance and other academic works
2.	Assistant Professor	Virudhunagar Hindu Nadar Senthikumara Nadar College (Autonomous), Virudhunagar	09-09-2020 to till date	Teaching and other academic works

b. Research Experience

S.No.	Designation	Employer	Period of work	Nature of work
1.	Senior Research Fellow	Vector Control Research Centre, Pondicherry	04-04-2012 to 17-06-2014 2years 2months 13 days	Epidemiological and entomological studies on leishmaniasis and identifying sandflies using molecular tools
2.	Research Associate	Entomology Research Unit, St. Xavier's College, Palayamkottai	01-07-2014 to 17-08-2016 2years 1month 17 days	Identifying assassin bugs using molecular tools

III. RECOGNITION

- **Member of Question Paper setting board** in B.Sc. Zoology – Bharathidasan University, Trichy.

IV. PROJECTS RECEIVED

- Received **TNSCST Students Project** during the academic year **2017-2018**

V. PUBLICATIONS:

No.	Publication	Total
Research Papers (National/International)		
1	Invited Book Chapter (Elsevier)	1
2	Peer reviewed papers in journals a. Full length papers - 13 b. Short communications - 02	15
3	Proceedings	6
	Total	21
	Total citation	43
	h-index	4
	i10-index	1

a). Book Chapter Published

S.No.	Year	Author(s)	Title	Book	ISBN No.	Citation
1.	2016	Ambrose, D.P. and Ganesh Kumar, A.	Reduviid Predators	Ecofriendly Pest Management for Food Security	9780128032657 (Elsevier)	5

b). Publication as First Author and/or Corresponding Author in Indexed Journals

S.No.	Year	Author(s)	Title	Journal	NAAS rating	Citation
1.	2009	Ganesh Kumar, A. and Sevarkodiyone, S.P.	Effect of seed extracts of <i>Annona squamosa</i> L. and <i>Lepidium sativum</i> L. on the pupal development and reproductive parameters of tobacco cutworm, <i>Spodoptera litura</i> (Fabricius)	<i>Hexapoda</i> , 16(2): 132-135	3.5	6
2.	2011	Ganesh Kumar A., Edward, C. and Rajan, K.	Antifeedant and toxicity of root extract of <i>Catharanthus roseus</i> (L.) G. Don on the tobacco leaf armyworm, <i>Spodoptera litura</i> (Fabricius)	<i>International Journal of Applied Bioresearch</i> , 2: 7-10		3
3.	2014	Ganesh Kumar, A. and Ambrose, D.P.	Olfactory response of an assassin bug, <i>Rhynocoris longifrons</i> (Insecta: Hemiptera: Reduviidae) to the hexane extracts of different agricultural insect pests	<i>Insects Review</i> , 1(1): 12-19		4
4.	2019	Ganesh Kumar, A., Ramar, M. and Murugan, K	Functional response of an assassin bug <i>Rhynocoris kumarii</i> Ambrose and Livingstone (Insecta: Hemiptera: Reduviidae) to <i>Odontotermes brunneus</i> (Hagen) (Insecta: Isoptera: Termitidae)	<i>International Journal of Environmental Sciences & Natural Resources</i> , 19(1): 1-6		
5.	2020	Jaya Durkga, S., Sudarmani, D.N.P. and Ganesh Kumar, A.	Mitochondrial genes and nuclear gene variation among seven species of the genus <i>Lisarda</i> of subfamily Salyavatinae (Heteroptera: Reduviidae: Salyavatinae)	<i>Journal of Entomological Research</i> , 44(1): 7-13	3.72 (UGC-CARE list)	

c). Publication as Co-author in Indexed Journals

No.	Year	Author(s)	Title	Journal	NAAS rating	citation
6.	2007	Ambrose, D.P., Sudha, P.G., Nagarajan, K. and Ganesh Kumar, A.	Biodiversity of light-attracted entomofauna in a rice agroecosystem, Tirunelveli, Tamil Nadu, South India	<i>Insect Environment</i> , 13 (3): 118-120	2.56	1
7.	2008	Ambrose, D.P., Rajan, S.J. and Ganesh Kumar, A.	Impact of insecticide Synergy-505 on the functional response of a non-target reduviid predator <i>Rhynocoris marginatus</i> (Fabricius) (Heteroptera: Reduviidae) feeding on <i>Spodoptera litura</i> (Fabricius) (Lepidoptera: Noctuidae)	<i>Journal of Biological Control</i> , 22 (2): 283-290		10
8.	2009	Kumar, S.P., Ganesh Kumar, A. and Ambrose, D.P.	Impact of intraspecific competition in the predation of <i>Rhynocoris longifrons</i> (Stål) (Hemiptera: Reduviidae) on camponotine ant <i>Camponotus compressus</i> Fabricius	<i>Hexapoda</i> , 16 (1): 01-04	3.5	7
9.	2009	Das, S.S.M., Ganesh Kumar, A. and Ambrose, D.P.	Impact of intraspecific competition on the predation of <i>Irantha armipes</i> (Stål) (Hemiptera: Reduviidae) on cotton bollworm, <i>Helicoverpa armigera</i> (Hübner)	<i>Journal of Biological control</i> , 23 (4): 381-384	3.96	2
10.	2010	Ambrose, D.P., Rajan, S.J., Ganesh Kumar, A. and Raja, J.M.	Impact of Synergy-505 (chlorpyrifos 50% + cypermethrin 5%) on the biology and life table parameters of the assassin bug, <i>Rhynocoris marginatus</i> (Fabricius) (Hemiptera: Reduviida)	<i>Entomon</i> , 35 (3): 209-212	4.12	1
11.	2010	Das, S.S.M., Ganesh	Impact of intraspecific	<i>Entomon</i> ,	4.12	

		Kumar, A. and Ambrose, D.P.	competition in the predation of the cotton bollworm, <i>Helicoverpa armigera</i> (Hübner) by <i>Scipinia horrida</i> (Stål) (Hemiptera: Reduviidae)	35(3): 203-208		
12.	2013	Ambrose, D.P., Nagarajan, K. and Ganesh Kumar, A.	Interaction of reduviid predator, <i>Rhynocoris marginatus</i> (Fabricius) (Hemiptera: Reduviidae) with its prey teak skeletonizer, <i>Eutectona machaeralis</i> Walker (Lepidoptera: Pyralidae) as revealed through functional response	<i>Journal of Entomological Research</i> , 37(1): 55-59	3.72 (UGC-CARE list)	2
13.	2016	Manimuthu, M., Ganesh Kumar, A. and Ambrose, D.P.	Intrageneric and intergeneric phylogenetics based on available mitochondrial genes and nuclear gene variation among ten peiratine species: nine species of <i>Ectomocoris</i> Mayr and one species of <i>Catamiarus</i> (Serville) (Hemiptera: Reduviidae: Peiratinae)	<i>Gene Technology</i> , 5(1): 1-5		1
14.	2018	Ambrose, D.P., Kumar, D.S. and Ganesh Kumar, A.	Intrageneric phylogenetics based on available Three mitochondrial genes and one nuclear gene variation among thirteen species of <i>Coranus</i> Curtis and two ecotypes (Hemiptera: Reduviidae: Harpactorinae)	<i>International Journal of Genetic Science</i> , 5(1): 1-12		
15.	2018	Edward, C. Ganesh Kumar, A. , Selvarathinam, T	Optimization of hormones for the inductions of callus, shoot and root buds of cotton <i>Gossypium hirsutum</i> L. (Malvales: Malvaceae)	<i>International Journal of Current Science Research</i> , 4(1): 1497-		

d). Papers Published in Proceedings

No.	Year	Author(s)	Title	Proceeding
16.	2011	Ganesh Kumar, A., Rajan, K., Rajan, S.J. and Ambrose, D.P.	Predatory behaviour of an assassin bug, <i>Coranus spiniscutis</i> (Reuter) on rice meal moth, <i>Corcyra cephalonica</i> (Stainton) and leaf armyworm, <i>Spodoptera litura</i> (Fabricius)	<i>Insect Pest Management, A Current Scenario</i> , (ed. Ambrose, D.P.), Entomology Research Unit, St.Xavier's College, Palayamkottai, Tamil Nadu, pp.404-408
17.	2011	Muniyandi, J., Ganesh Kumar, A., Nagarajan, K. and Ambrose, D.P.	Host preference, stage preference and functional Response of <i>Rhynocoris kumarii</i> Ambrose and Livingstone (Hemiptera: Reduviidae) to its most preferred prey tobacco cutworm, <i>Spodoptera litura</i> (F.)	<i>Insect Pest Management, A Current Scenario</i> , (ed. Ambrose, D.P.), Entomology Research Unit, St.Xavier's College, Palayamkottai, Tamil Nadu, pp.240-248
18.	2011	Anuradha, A., Rajan, K., Ganesh Kumar, A., Nagarajan, K. and Raja, J.M.	Biochemical changes induced by tobacco cutworm, <i>Spodoptera litura</i> (F.) in the leaves of <i>Helianthus annuus</i> (L.) and <i>Hibiscus esculentus</i> L.	<i>Insect Pest Management, A Current Scenario</i> , (ed. Ambrose, D.P.), Entomology Research Unit, St.Xavier's College, Palayamkottai, Tamil Nadu, pp.389-391
19.	2011	Balakrishnan, P., Nagarajan, K., Ganesh Kumar, A. and Ambrose, D.P.	Host preference, stage preference and functional Response of <i>Acanthaspis pedestris</i> Stål (Hemiptera: Reduviidae) to its most preferred prey the acridid grasshopper, <i>Orthacris maindroni</i> Boliver	<i>Insect Pest Management, A Current Scenario</i> , (ed. Ambrose, D.P.), Entomology Research Unit, St.Xavier's College, Palayamkottai, Tamil Nadu, pp.210-217
20.	2011	Manimuthu, M., Rajan, S.J., Raja, J.M., Ganesh Kumar, A., Ambrose, D.P.	Functional response of assassin bug, <i>Acanthaspis pedestris</i> Stål to rice meal moth larva, <i>Corcyra cephalonica</i> (Stainton) and termite, <i>Odentotermes obesus</i> Rambur	<i>Insect Pest Management, A Current Scenario</i> , (ed. Ambrose, D.P.), Entomology Research Unit, St.Xavier's College, Palayamkottai, Tamil Nadu, pp.302-308
21.	2011	Lenin, E.A., Priya, R.A.A., Nagarajan, K., Rajan, K. Ganesh Kumar, A. and Ambrose, D.P.	Kairomonal ecology of assassin bug, <i>Rhynocoris kumarii</i> Ambrose and Livingstone (Hemiptera: Reduviidae) and chosen prey species.	<i>Insect Pest Management, A Current Scenario</i> , (ed. Ambrose, D.P.), Entomology Research Unit, St.Xavier's College, Palayamkottai,

VI. GENE SEQUENCING (NCBI)

- Ambrose, D.P., Jeba Singh, V., **Ganesh Kumar, A.**, Jesu Rajan, S. and Micheal Raja, J. 2011. *Rhynocoris marginatus* isolate morph-Nigrosanguineous cytochrome oxidase subunit-1 like (CO1) gene, partial sequence; mitochondrial. *GeneBank*, JN634063.1.
- Ambrose, D.P., Jeba Singh, V., **Ganesh Kumar, A.**, Jesu Rajan, S. and Micheal Raja, J. 2011. *Rhynocoris marginatus* isolate morph-Niger cytochrome oxidase subunit 1-like (CO1) gene, partial sequence; mitochondrial. *GeneBank*, JN634062.1

VII. POST GRADUATE THESIS WORK

a) M.Sc., thesis title:

Individual and synergistic effect of seed extracts of two medicinal plants, *Annona squamosa* and *Lepidium sativum* on pupal development and reproductive parameters of tobacco caterpillar, *Spodoptera litura* (Fab.).

b) M.Phil., thesis title:

Insecticidal impact on the biology, behaviour and functional response of a non-target biocontrol assassin bug on *Rhynocoris marginatus* (Fabricius) (Hemiptera: Reduviidae) due to Dantop (Clothianidin 50% WDG) exposure.

c) Ph.D., thesis title

Mass multiplication, large scale release and biocontrol potential evaluation of a reduviid predator *Rhynocoris longifrons* (Stål) (Insecta: Heteroptera: Reduviidae) against chosen agricultural insect pests.

VIII. PAPERS PRESENTED

- Participated and presented **two** papers in the International Symposium on Insect Pest Management at St. Xavier's College (2011), Palayankottai.
- Participated and presented a paper in the Intercollegiate Students Seminar at Thiagaraja College (Autonomous), Madurai.
- Participated and presented a paper in the Science Week Celebrations at Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi.

IX. TECHNICAL EXPERTISE

- Mass rearing of predators and parasitoids in the laboratory.
- Mass culture techniques of pests like American bollworm *Helicoverpa armigera* (Hübner), tobacco caterpillar *Spodoptera litura* (Fabricius), red cotton bug *Dysdercus cingulatus* Fabricius spotted bollworm *Earias vitella* (Fab.), stored product pest *Corcyra cephalonica* (Stainton), etc.
- Identification of insect pests of economic importance and their natural enemies on various agricultural and forest plantations.
- Electrophoretic and immunological techniques.

X. TECHNICAL SKILLS ACQUIRED

- Photography (SLR) & Microphotography
- Camera Lucida Drawings for taxonomical studies
- Scanning Electron Microscopes

XI. SOFTWARE EXPOSURES

- Certificate course in Computer Application
- Diploma in Computer Programming
- Certificate course in Information Technology
- MS-Office
- Statistical Software

XII. AWARDS

- Received an “**Dedicated Service Award**” for the punctuality and good record of attendance for the academic year 2018-2019.

XIII. RESOURCE PERSON

- Served as **Resource Person** in the “**In-Service Training Programme for P.G. Teachers**” organized by Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi in collaboration with the Directorate of School Education, Chennai (2019).

XIV. MOBILE APPLICATION

- Participated and Developed an mobile application on **BioCell** in the Competition “**Developing Mobile Applications for Educational Contents**” organized by CTEL, Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi, 2017.

XV. WORKSHOP ATTENDED

- National workshop on “**Life Science Inventions and Intellectual Property Rights**” at Ayya Nadar Janaki Ammal College (Autonomous), 2019, Sivakasi.
- Awareness Programme on “**Sericulture Entrepreneurship and Outreach of Silk Mark**” at Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi, 2019.
- Awareness Programme on “**Sericulture Entrepreneurship**” at Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi, 2018.
- State level Workshop on “**Electrophoretic and Immunological Techniques**” at St. Joseph’s College (2010), Trichy.
- State level Workshop on “**Writing & Presenting Scientific Research Papers**” at Govindammal Aditanar College for Women (2009), Tiruchendur.
- Workshop on “**Electron Microscopy and Its Application in Material Science and Biological Science**” at Jadavpur University (2008), Kolkata.

XVI. SYMPOSIUM / SEMINAR / CONFERENCE ATTENDED

- Participated and act as member of organizing Committee in the National Seminar on “**Vector Borne Diseases – Formidable Challenges**” at Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi (2017).
- Participated in the **97th Indian Science Congress (2010)** held at Kerala University, Thiruvananthapuram.
- Participated in the “**2nd Biopesticide International Conference (BIOCICON-2009)**” at St. Xavier’s College (2009), Palayankottai.
- National Conference on **Biotechnological Approaches for Ecofriendly Insect Pest Management**” at University of Madras (2009), Madras.
- Participate in the National Seminar on **Environmental Toxicology (ENTOX – 09)** at St. Xavier’s College (2009), Palayankottai.
- Participated in the “**Biopesticide International Conference (Biocicon-2007)**” at St. Xavier’s College (2007), Palayankottai.

- Participated in the “**Regional Conference on Fern Diversity of India**” at St. Xavier’s College (2007), Palayankottai.
- National Conference on “**Aquatic Resources, Aquaculture & Aqua Show (Confaqua-2006)**” at St. Xavier’s College (2006), Palayankottai.

XVII. PERSONAL PROFILE

Father’s Name : Mr. M. Arumugam (late)
(Retired Secondary Grade School Teacher)

Sex : Male

Date of Birth : 25.05.1982

Marital Status : Married

Religion : Hindu

Community : BC (Nadar)

Languages Known : English & Tamil

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XIV. REFERENCES

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Retired Associate Professor,
Professor Emeritus (CSIR) & Director,
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Dr. R. Srinivasan, Ph.D.,
Scientist-D,
Vector Control Research Centre,
(Indian Council of Medical Research),
Department of Health,
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Dr.L. Isaiarasu, Ph.D.,
Retired,
Associate Professor and Head,
Department of Zoology (UG),
Ayya Nadar Janaki Ammal College,
Sivakasi – 626123.
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DECLARATION

I hereby declare that all the statements made in the curriculum-vitae are true and correct to the best of my knowledge and belief.

Place : Sivakasi

Date :

Yours sincerely

(A. Ganesh Kumar)