

# RESUME



## **Dr. K. Krishnappa, M.Sc., Ph.D.,**

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### **Personal information**

Date of Birth / Age : May 05, 1981 / 37 years  
Sex : Male  
Nationality / Religion : Indian / Hindu  
Community : Most Backward Class (MBC) - Padayachi  
Father's Name : G. Kaliyamoorthy  
Address for communication (Residence) : 2/1 Koothur (Village)  
Alaveli (Post)  
Sirkali (Taluk)  
Nagapattinam District  
Tamilnadu, India. Pin- 609118  
Address for communication (Office) : Assistant Professor in Zoology  
A.V.C. College (Autonomous)  
Mannampandal- 609 305  
Nagapattinam District  
Mobile number : +91 97863 64322  
E-mail Address : krishnappaprofessor@gmail.com  
Marital Status : Married  
Educational Qualifications : M.Sc., Ph.D.,  
Subject : Zoology  
Specialization : Entomology  
(Medical & Agricultural Entomology)  
Research Experience : Thirteen years  
Teaching Experience : Three years  
Project Funding Obtained : DST - Fast Track Young Scientist Scheme

### **Educational Qualifications starting with Higher Secondary (10+2)**

<b>Examination Passed</b>	<b>School/College/University</b>	<b>Year of Passing</b>	<b>Subjects</b>	<b>% of Marks</b>
SSLC	Tamil Nadu State Board	April-1997	All Subject	49.20
HSC	Tamil Nadu State Board	March-1999	General Science	57.33
B. Sc	A.V.C. College Bharathidasan University	June-2003	Zoology	63.45
M. Sc	A.V.C. College Bharathidasan University	April-2007	Zoology	75.18
Ph. D	Annamalai University	June-2011	Zoology	Highly Commended

## **Detailed Resume**

### **Title of the B.Sc., Dissertation:**

Comparative morphometric studies on the Honeybees *Apis florea* and *Apis cerana indica* in Mannampandal Village.

### **Title of the M.Sc., Dissertation:**

A Comparative study on the foraging activities of the Honeybees *Apis cerana indica* and *Apis florea* on *Citrus limon*.

### **Title of the Ph. D., Dissertation:**

Bioefficacy of certain plant essential oils against important field pests *Spodoptera litura* (Fab.), *Helicoverpa armigera* (Hub.) and *Achaea janata* (Linn.) (Lepidoptera: Noctuidae).

### **Title of the DST- Project:**

Isolation and characterization of novel phytopesticides from *Loranthus pentandrus* Linn. (Loranthaceae) against vector mosquitoes, *Aedes aegypti* (L), *Anopheles stephensi* (Liston), *Culex quinquefasciatus* (Say) (Diptera: Culicidae) and a field pest, *Spodoptera litura* (Fab.) (Lepidoptera : Noctuidae).

### **Community Certificate**

Most Backward Class (MBC) – Padayachi, Certificate No: ADD66A7F6A687D86

### **Teaching Experience**

Worked as Assistant Professor in Zoology in Poompuhar College (Autonomous), Melaiyur – 609 107.

### **Research Experience**

Worked as Principal Investigator, DST- Young Scientist in Advanced Zoology & Biotechnology at Govt. Arts College for Men (Autonomous), Nandanam, Chennai.

### **Research Grants and Funding Obtained**

Department of Science & Technology (DST) - Fast Track Young Scientist Scheme, Grant-in-aid for the year 2012-2013, total project cost Rs. 19,90,000/- (Rs.Nineteen Lakh Ninety Thousand Only), as Principal Investigator.

### **Training Programme Attended**

1. Underwent a training programme on Electrophoresis at Yercaud, Salem District, Tamilnadu, during August 27 to Sep 1-2008.

2. UGC Sponcered National Workshop on Analytical Methods and Tools in Biological Research (AMaTiBR' 14) held in the department of Zoology, Annamalai University, during 20<sup>th</sup> & 21<sup>th</sup> March – 2014.

### **Research Guidship Approvel**

I have M. Phil & Ph.D., Zoology, Research Guidship Approval from our College affiliated University, Bharathidasan University, Dated on 24.01.2019, Ref.No. 17384/Ph.D.K9/Zoology/R.A/2019.

### **Academic Achievements M. Sc Guided (Zoology) : 05 Nos.**

#### **List of M. Sc., Candidates Guided in Poompuhar College (Autonomous)**

1. *Cissus quadrangularis* and *Combretum ovalifolium* medicinal plants tested against Armyworm *Spodoptera litura* (Fab.) (Lepidoptera : Noctuidae). B. Krishnaveni, Reg. No 11P0805, II M.Sc., Zoology.
2. Pesticidal activity of selected medicinal plants against Cotton Bollworm *Helicoverpa armigera* (Hub.) (Lepidoptera: Noctuidae). B. Manimozhi, Reg. No 11P0806, II M.Sc., Zoology.
3. Mosquitocidal activity of selected medicinal plants against *Aedes aegypti* (Linn.) (Diptera: Culicidae). M. Sasikala, Reg. No 11P0822, II M.Sc., Zoology.
4. Mosquito larvicidal and ovicidal activity of *Cissus quadrangularis* and *Combretum ovalifolium* plants against *Anopheles stephensi* (Liston) (Diptera: Culicidae). T. V. imaladevi, Reg. No 11P0820, II M.Sc., Zoology.

#### **List of M. Sc., Candidates Guided in A.V.C. College (Autonomous)**

5. Density, diversity of mosquitoes and mosquitocidal properties of green synthesized silver nanoparticles in Kodaikanal Wildlife Sanctuary, Theni District, Tamilnadu, india. P.M. Kousik Baabu, Reg. No P177705, II M.Sc., Wildlife Biology, 2019.

### **Detail of Professional Training and Research Experience**

Thirteen years of research experience in the same field and gained a fair knowledge in the following aspects

- Rearing of vector Mosquitoes
- Rearing of armyworm, *Spodoptera litura*
- Rearing of American bollworm, *Helicoverpa armigera*
- Rearing of castor semilooper, *Achaea janata*
- Rearing of pulse beetle, *Callasobruchus maculatus*
- Rearing of honey bees
- Plant Secondary Metabolite Extraction - Soxhlet Apparatus
- Plant Secondary Metabolite Condenser- Rotary Vacuum Evaporator
- Electrophoresis, Chromatography and PCR analytical techniques
- Synthesis of Nanoparticle, Ultra Violet Visible and Spectroscopy analytical techniques
- Fourier Transform Infrared and Nuclear Magnetic Resonance analytical techniques
- X-Ray Diffractometry and Scanning Electron Microscopy analytical techniques
- Statistical Tool - Statistical Package of Social Science (SPSS)
- Computer – Microsoft-Word, Excell, Power Point and Photoshop
- Water and Soil Parameter analytical techniques
- Heavy Metal Toxicity (Acute and Chronic Toxicity) analytical techniques
- Histopathological, Haematological and Biochemical analytical techniques
- Enzymological, Antimicrobial and Anticancer analytical techniques

### **Teaching experience: 6 Years**

Employment details

<b>Name of the Employer/ Organization</b>	<b>Job nature</b>	<b>Full Address of Employer/ Organization</b>	<b>Period From – To</b>	<b>Nature of duties/ experience</b>
Poompuhar College (Autonomous), Melaiyur	Asst. Professor (SF)	Poompuhar College (Autonomous), Melaiyur	02.04.2011 to 30-06-2013	Teaching of both UG and PG students, Including theory, Practical, Valuation and Invigilation
Nandanam Govt. Arts College (Autonomous), Chennai	Asst. Professor (SF)	Nandanam Govt. Arts College (Autonomous), Chennai	01.07.2013 To 16.11.2016	Teaching of both UG and PG students.
A.V.C. College (Autonomous), Mannampandal	Asst. Professor (Aided)	A.V.C. College (Autonomous), Mannampandal	06.09.2017 to Till date	Teaching of both UG and PG students, Including theory, Practical, Valuation (Other Colleges) and Invigilation

**Total Number of Research Publication: (66+62= 128) 128 Nos.**

**List of International Publications (66 Nos.)**

1. Baskaran J, Dhanasekaran S, **Krishnappa K**, Anandan A and Elumalai K. 2010. Insecticidal and ovicidal activity of certain plant essential oils against pulse beetle, *Collosobruches maculates* F. (Coleopteran;Bruchidae). *International Journal of Recent Scientific Research*. 8: 183-188.
2. Baskaran J, Dhanasekaran S, **Krishnappa K** and Elumalai K. 2010. Toxicity of essential oils used for the protection of stored cowpea against *Callosobruchus maculatus* F. (Lepoptera : Bruchidae). *International Journal of Current Research*. Vol. 9: 039-045.
3. **KrishnappaK**, Elumalai K, Anandan A, Govindarajan M and Mathivanan T. 2010. Insecticidal properties of *Thymus persicus* essential oil and their chemical composition against armyworm, *Spodoptera litura* (fab.) (lepidoptera :noctuidae) *International Journal of Recent Scientific Research*. 8.170-176.
4. **KrishnappaK**, Elumalai K, Anandan A, Govindarajan M and Mathivanan T. 2010. Chemical composition and larvicidal and ovicidal activity of essential oil from *Clausena dentata* against armyworm, *Spodoptera litura* (Fab.) (Lepidoptera :Noctuidae). *International Journal of Recent Scientific Research*. 8.188-203.
5. Elumalai K, **Krishnappa K**, Anandan A, Govindarajan M and Mathivanan T. 2010. Larvicidal and ovicidal efficacy of ten medicinal plant essential oil against lepidopteran pest *Spodoptera litura* (Lepidoptera: Noctuidae). *International Journal of Recent Scientific Research*. 1: 001-007.

6. Elumalai K, **Krishnappa K**, Anandan A, Govindarajan M and Mathivanan T. 2010. Larvicidal and ovicidal activity of seven essential oil against lepidopteran pest *Spodoptera litura* (Lepidoptera: Noctuidae). *International Journal of Recent Scientific Research*. 1: 0021-0027.
7. Elumalai K, **Krishnappa K**, Anandan A, Govindarajan M and Mathivanan T. 2010. Certain essential oil against the field pest army worm, *Spodoptera litura* (Lepidoptera:Noctuidae). *International Journal of Recent Scientific Research*. 2: 56-62.
8. Elumalai K, **Krishnappa K**, Anandan A, Mathivanan T. 2010. Antifeedant activity of medicinal plant essential oils against *Spodopteralitura* (Lepidoptera:Noctuidae) *International Journal of Recent Scientific Research*. 2: 0062-0068.
9. Elumalai K **Krishnappa K** and Neelakandan T. 2010. Antibacterial activity of six essential oil against some pathogenic bacteria. *International Journal of Recent Scientific Research*. 1: 0021-0027.
10. **Krishnappa K**, Anandan A, Mathivanan T, Elumalai K and Govindarajan M. 2010. Antifeedant activity of volatile oil of *Tagetes patula* against armyworm, *Spodoptera litura*(Fab.) (Lepidoptera: Noctuidae)*International Journal of Current Research*. 4: 109 -112.
11. Anandan A, **Krishnappa K**, Mathivanan T, Elumalai K and Govindarajan M. 2010. Bioefficacy of *Hyptis suaveolens* and *Melochia chorcorifolia* against the armyworm, *Spodoptera litura* (Fab.) (Lepidoptera: Noctuidae). *International Journal of Current Research*. 4, 117-121.
12. Mathivanan T, Govindarajan M, Elumalai K, **Krishnappa K** and Ananthan A. 2010. Mosquito larvicidal and phytochemical properties of *Ervatamia coronaria* Stapf. (Family: Apocynaceae). *Journal of Vector Borne Disease*. 47: 178–180.
13. **Krishnappa K**, Lakshmanan S, Elumalai K and Jayakumar S. 2011. Insecticidal action of certain essential oils against *Callosobruchus maculatus* (Coleoptera: Bruchidae). *International Journal Current Agricultural Sciences*. 1(1): 10-14.
14. **Krishnappa K**, Lakshmanan S, Elumalai K and Jayakumar S. 2011. Laboratory evaluation of four medicinal plant essential oils as protestants against the cowpea weevil *callosobruchus maculatus* (Coleoptera : Bruchidae). *International Journal Current Agricultural Sciences*. 1(1): 5-9.
15. Anandan A, **Krishnappa K**, Govindarajan M and Elumalai K. 2011. Antifeedant activity of some plant extracts against the fourth instar larvae of *Spodoptera litura* (hub.). *International Journal of Recent Scientific Research*, 2: 01-03.
16. Govindarajan M, Mathivanan T, Elumalai K, **Krishnappa K** and Anandan A. 2011. Mosquito larvicidal, ovicidal and repellent properties of botanical extracts against *Anopheles stephensi*, *Aedes aegypti*, and *Culex quinquefasciatus* (Diptera: Culicidae). *Parasitology Research*. 109(2): 353-367.
17. Govindarajan M, Mathivanan T, Elumalai K, **Krishnappa K** and Anandan A. 2011. Ovicidal and repellent activities of botanical extracts against *Culex quinquefasciatus*, *Aedes aegypti* and *Anopheles stephensi*(Diptera: Culicidae). *Asian Pacific Journal of Tropical Biomedicine*. 43-48.

18. Gokulakrishnan J, Balu Selvakumar, Elumalai K and **Krishnappa K**. 2012. Mosquito larvicidal and repellent properties of botanical extract *Calotropis procera* (Asclepiadaceae) against *Aedes aegypti* Linn, *Anopheles stephensi* Liston and *Culex quinquefasciatus* Say (Diptera: Culicidae). *International Journal of Agricultural Sciences*. 2(11): 43-47.
19. Baluselvakumar, Gokulakrishnan J, Elumalai K, Dhanasekaran S, Anandan A and **Krishnappa K**. 2012. Mosquito larvicidal activity of *Oxystelma esculentum* plant extracts against *Anopheles stephensi* (Diptera: Culicidae). *International Journal of Recent Scientific Research*. 3(5): 321 – 324.
20. Baluselvakumar, Gokulakrishnan J, Elumalai K, Dhanasekaran S, Anandan A and **Krishnappa K**. 2012. Mosquito ovicidal and repellent activity of *Melothria maderaspatana* plant leaf extracts against *Aedes aegypti* (Diptera: Culicidae). *International Journal of Recent Scientific Research..* 3(5): 325 – 328.
21. Gokulakrishnan J, Balu Selvakumar, Elumalai K and **Krishnappa K**. 2012. Mosquito larvicidal and ovicidal efficacy of *Aristolochia indica* Linn (Aristolochiaceae) leaf extracts against malarial vector mosquito *Anopheles stephensi* Liston (Diptera: Culicidae). *International Journal Current Life Sciences*. 2 (10): 48-52.
22. Gokulakrishnan J, **Krishnappa K** and Elumalai K. 2012. Effect of plant oil formulation against armyworm, *Spodoptera litura* (Fab.), cotton bollworm, *Helicoverpa armigera* (Hub.) and fruit borer, *Earias vitella* (Fab.) (Lepidoptera : Noctuidae). *International Journal of Current Life Sciences*. 2 (1): 1– 4.
23. Gokulakrishnan J, **Krishnappa K** and Elumalai K. 2012. Certain plant essential oils against antifeedant activity of *Spodoptera litura* (Fab.), *Helicoverpa armigera* (Hub.) and *Achaea janata* (Linn.)(Lepidoptera : Noctuidae). *International Journal of Current Life Sciences*. 2 (1): 5– 11.
24. Elangovan A, Dhanasekaran S, Anandan A, **Krishnappa K**, Gokulakrishnan J and K. Elumalai. 2012. Mosquitocidal activities of *Corchorus capsularis* L (Malvaceae) against a common malarial vector, *Anopheles stephensi* (Liston) and a dengue vector *Aedes aegypti* (L) (Diptera : Culicidae) *International Journal of Recent Scientific Research*. 3(6): 564 – 568.
25. Elumalai K, Dhanasekaran S, Anandan A, **Krishnappa K**, Gokulakrishnan J and Elangovan A. 2012. Mosquitocidal activities of *Abrus precatorius* L (Fabaceae) against chickungunya vector, *Aedes aegypti* (L.) and Japanese encephalitis vector, *Culex tritaeniorhynchus* (Giles) (Diptera:Culicidae)*International Journal of Current research in Agriculture*. 2(7): 28 – 33.
26. Elangovan A, Dhanasekaran S, Anandan A, **Krishnappa K**, Gokulakrishnan J and K. Elumalai. 2012. Larvicidal and ovicidal activities of *Exacum pedunculatum* (Linn.) (Gentianaceae) against a common malarial vector, *Anopheles stephensi* Liston (Diptera : Culicidae). *International Journal of Recent Scientific Research*. 3(6): 559 – 563.
27. Elumalai K, Dhanasekaran S, **Krishnappa K**, Gokulakrishnan J and Elangovan A. 2012. Larvicidal, ovicidal and pupicidal activity of *Eranthemum roseum* (Vahl) R. Br. against malarial vector mosquito, *Anopheles stephensi* (Liston) (Diptera : Culicidae)*International Journal of Current Life Sciences*. 2(7):31 – 38.
28. **Kaliyamoorthy Krishnappa**, Shanmugam Dhanasekaran and Kuppusamy Elumalai. 2012. Larvicidal, ovicidal and pupicidal activities of *Gliricidia sepium* (Jacq.)

- (Leguminosae) against the malarial vector, *Anopheles stephensi* Liston (Culicidae : Diptera). *Asian Pacific Journal of Tropical Medicine*. 2012. 5(8): 598-601.
29. **Krishnappa K** and Elumalai K. 2012. Chemical composition, larvicidal and ovicidal activities of essential oil from *Clausena excavata* against armyworm, *Spodoptera litura* (Fab.) (Lepidoptera :Noctuidae) *Asian Pacific Journal of Tropical Biomedicine*. 1-6.
  30. **Krishnappa K** and Elumalai K. 2012. *Abutilon indicum* and *Diplocyclos palmatus* botanical extracts against ovicidal, pupicidal and repellent activities of *Aedes aegypti*, *Anopheles stephensi* and *Culex quinquefasciatus* (Diptera : Culicidae). *Asian Pacific Journal of Tropical Biomedicine*. 1: 1-7.
  31. **Krishnappa K** and Elumalai K. 2012. Toxicity of *Aristolochia bracteata* methanol leaf extract against selected medically important vector mosquitoes (Diptera: Culicidae). *Asian Pacific Journal of Tropical Diseases*. S553-S557.
  32. **Krishnappa K** and Elumalai K. 2012. Larvicidal and ovicidal activities of *Chloroxylon swietenia* (Rutaceae) essential oils against *Spodoptera litura* (Lepidoptera: Noctuidae) and their chemical compositions. *International Journal of Current Research in Life Sciences*. 1 (1): 003-007.
  33. Elumalai K, Dhanasekaran S and **Krishnappa K**. 2012. Toxicity of Saponin isolated from *Gymnema sylvestre* R. Br. (Asclepiadaceae) against *Culex tritaeniorhynchus* Giles (Diptera: Culicidae) Japanese Encephalitis vector mosquito in India. *Rev. de Inst. Med. Sa Paulo*. 2012. 54(6): 337-344.
  34. **Krishnappa K**, Elumalai K, Dhanasekaran S and Gokulakrishnan J. 2012. Larvicidal and phytochemical properties of *Adansonia digitata* against medically important human malarial vector mosquito *Anopheles stephensi* (Diptera: Culicidae). *Journal of Vector Borne Disease*. 2012. 49: 86 – 90.
  35. Gokulakrishnan J, Elumalai Kuppusamy, Dhanasekaran Shanmugam, Anandan Appavu and **Krishnappa Kaliyamoorthy**. 2012. Pupicidal and repellent activities of *Pogostemon cablin* essential oil chemical compounds against medically important human vector mosquitoes. *Asian Pacific Journal of Tropical Diseases*. 3(1): 26-31.
  36. Baskaran J, Arshid Gani, Elumalai K and **Krishnappa K**. 2012. Oviposition deterrent activity of plants essential oils against armyworm, *Spodoptera litura* (Fab.) (Lepidoptera: Noctuidae). *International Journal of Current Advanced Research*. *International Journal Current Life Sciences*. 12 (10): 53-57.
  37. Baskaran J, Arshid Gani, **Krishnappa K** and Elumalai K. 2012. Antifeedant activity of certain plants essential oils against armyworm, *Spodoptera litura* (Fab.) (Lepidoptera: Noctuidae). *International Journal of Current Advanced Research*. *International Journal of Agricultural Sciences*. 1(11): 39-42.
  38. Baskaran J, Arshid Gani, Elumalai K and **Krishnappa K**. 2012. Selected plants essential oils against ovicidal activity of Armyworm, *Spodoptera litura* (Fab.) (Lepidoptera: Noctuidae). *International Journal of Current Advanced Research*. 1(1): 18-21.
  39. Baskaran J, Arshid Gani, **Krishnappa K** and Elumalai K. 2012. Larvicidal activity of selected plants essential oils against Tobacco cutworm, *Spodoptera litura* (Fab.) (Lepidoptera: Noctuidae). *International Journal of Current Advanced Research*. 1(1): 13-17.

40. Elumalai K, Dhanasekaran S and **Krishnappa K**. 2013. Larvicidal activity of Saponin isolated from *Gymnema sylvestre* R. Br. (Asclepiadaceae) against Japanese Encephalitis vector, *Culex tritaeniorhynchus* Giles (Diptera: Culicidae). *European Review for Medical and Pharmacological Sciences*. 17: 1404-1410.
41. **Krishnappa K** and Elumalai K. 2013. Mosquitocidal properties of *Basella rubra* and *Cleome viscosa* against *Aedes aegypti* (Linn.) (Diptera : Culicidae). *European Review for Medical and Pharmacological Sciences*. 17: 1273-1277.
42. Elumalai K, Mathivanan T, Dhanasekaran S, Maria Packiam S and **Krishnappa K**. 2013. Mosquitocidal Activities of Isolated Compounds from the Essential Oil of *Pulchea indica* L. (Asteraceae) against five Medically Important Human Vector Mosquitoes (Diptera : Culicidae). *Instascience Journal of Chemistry*. 3(1).
43. Regina Mary R, **Krishnappa K** and Elumalai K. 2013. Mosquitocidal activity of indigenous plant of western ghats, *Clerodendron phlomoides* (L.F.) against a common dengue vector *Aedes aegypti* (Linn). (Diptera: Clucidae). *International Journal of Interdisciplinary Research and Reviews*. 1 (6): 15-22.
44. Jeyasankar A, Premalatha S, **Krishnappa K** and Elumalai K. 2013. Larvicidal activity of *Barleria prionitis* L (Acanthaceae) against Japanese encephalitis vector, *Culex tritaeniorhynchus* Giles (Diptera: Culicidae). *International Journal of Interdisciplinary Research and Reviews*. 2: 30-39.
45. **Krishnappa K**, Mathivanan, T and Elumalai, K. 2013. Field evaluation of Plant Oil Formulations (POFs) against the armyworm *Spodoptera litura* (Fab.) with special reference to pest -predator population in groundnut ecosystem (Lepidoptera: Noctuidae). *International Journal of Interdisciplinary Research and Reviews* .2: 22-28.
46. Dhanasekaran S, **Krishnappa K**, Anandan A and Elumalai K. 2013. Larvicidal, ovicidal and repellent activity of selected indigenous medicinal plants against malarial vector *Anopheles stephensi* (Liston.), dengue vector *Aedes aegypti* (Linn.) and Japanese encephalitis vector, *Culex tritaeniorynchus* (Giles.) (Diptera: Culicidae). *Journal of Agricultural Technology*. 9(1): 29-47.
47. Poomalai Pugalenti, Dhanasekaran S, Elumali K and **Krishnappa K**. 2013. Bio-efficacy of Nuclear Polyhedrosis Virus (NPV) tested against American bollworm *Helicoverpa armigera* (Hub.) (Lepidoptera: Noctuidae) and protection of cotton boll damage. *International Journal of Renewable and Environmental Sciences*. 1 (3): 22-26.
48. Poomalai Pugalenti, Dhanasekaran S, Elumali K and **Krishnappa K**. 2013. Bio-efficacy of *Bacillus Thuringiensis* kurstaki against the American bollworm *Helicoverpa armigera* (Hub) (Lepidoptera: Noctuidae) and protection of cotton boll damage. *International Journal of Current Zoological Research*. 1 (3): 22-26.
49. Deepa M, Palanisamy K, **Krishnappa K** and Elumalai K. 2014. Mosquitocidal activity of polygala arvensis willd against *Aedes aegypti* (Linn.), *Anopheles stephensi* (Liston.) and *Culex quinquefasciatus* (Say.) (Diptera : Culicidae). *International Journal of Mosquito Research*. 1 (4): 30-43.



50. **Kaliyamoorthy Krishnappa** and Kuppusamy Elumalai. 2014. Mosquitocidal activity of indigenous plants of Western Ghats, *Achras sapota* Linn. (Sapotaceae) and *Cassia auriculata* L. (Fabaceae) against a common malarial vector, *Anopheles stephensi* Liston (Culicidae: Diptera). *Journal of Coastal Life Medicine*. 2(5): 402-410.
51. Mathivanan Thangarasu, **Krishnappa Kaliyamoorthy**, Elumalai Kuppusamy. 2014. Pesticidal and mosquitocidal activities of *Clausena excavata* Burm. F. (Rutaceae) against *Spodoptera litura* (Fab.) (Noctuide: Lepidoptera) and *Aedes aegypti* L., *Anopheles stephensi* Liston and *Culex quinquefasciatus* Say. (Diptera: Culicidae). *Advances in Zoology*. Article ID745015: 1-7.
52. Kasinathan ID, Elumalai A, Backiyaraj M, **Krishnappa K** and Elumalai K. 2014. Phyto-toxicity of Indian medicinal plants tested for the protection against stored product pest, the pulse beetle, *Callosobruchus maculatus* F. (Coleoptera: Bruchidae). *Discovery Science*. 9 (20), 22-31.
53. Backiyaraj Muthusamy, Elumalai Arumugam, Kasinathan Dhamodaran, Mathivanan Thangarasu, **Krishnappa Kaliyamoorthy** and Elumalai Kuppusamy. 2014. Bioefficacy of *Caesalpinia bonducella* extracts against Tobacco cutworm, *Helicoverpa armigera* (Hub.) (Lepidoptera: Noctuidae). *Journal of Coastal Life Medicine*. 2(8):382-388.
54. Elumalai Arumugam, Backiyaraj Muthusamy, Kasinathan Dhamodaran, Mathivanan Thangarasu, **Krishnappa Kaliyamoorthy** and Elumalai Kuppusamy. 2014. Pesticidal activity of *Rivina humilis* L. (Phytolaccaceae) against important agricultural polyphagous field pest *Spodoptera litura* (Fab.) (Lepidoptera: Noctuidae). *Journal of Coastal Life Medicine*. 2(8):652-658.
55. Kuppusamy Elumalai and **Kaliyamoorthy Krishnappa**. 2014. Mosquitocidal properties of *Oxystelma esculentum* (Asclepiadaceae) – Indian medicinal plant tested against *Aedes aegypti* (Linn.) (Diptera: Culicidae). *Journal of Coastal Life Medicine*. 2(6):483-489.
56. Mathivanan Thangarasu, **Krishnappa Kaliyamoorthy** and Elumalai Kuppusamy. 2015. Pesticidal activity of *Abrus precatorius* Linn. (Fabaceae) against polyphagous field pest *Spodoptera litura* (Fab.) (Lepidoptera: Noctuidae). *International Journal of Current Innovative Research*. 1(2):41-48.
57. Mathivanan Thangarasu, **Krishnappa Kaliyamoorthy** and Elumalai Kuppusamy. 2015. Mosquito larvicidal, ovicidal and pupicidal activities of *Abrus precatorius* Linn. (Fabaceae) against dengue vector, *Aedes aegypti* (Linn) malarial vector, *Anopheles stephensi* (Liston) and filarial vector, *Culex quinquefasciatus* (Say) (Diptera : Culicidae). *International Journal of Current Innovative Research*. 1(3):73-80.
58. **Kaliyamoorthy K** and Elumalai K. 2015. Mosquitocidal and phytochemical properties of activities of *Loranthus pentandrus* Linn. (Loranthaceae) against malarial vector, *Anopheles stephensi* and filarial vector, *Culex quinquefasciatus* (Diptera : Culicidae). *International Journal of Current Innovative Research*. 1(2):49-57.
59. Kavitha G., Gokulakrishnan J., Pandiyan J., Elumalai K., Balu Selvakumar., Elanchezhian K and **Krishnappa K**. 2018. Pesticidal activity of Indian medicinal plants against red flour beetle *Tribolium castaneum* (Herbst, 1797) (Coleoptera: Tenebrionidae). *International Journal of Current Advanced Research*. 17 (6); 13440-13445.

60. **Krishnappa K**, Pandiyan J, Paramanandham J, Elumalai K. 2018. Antibacterial and mosquitocidal potentials of selected Indian medicinal plants extract and synthesized silver nanoparticles. *International Journal of Zoology Studies*. 3(4); 2018; 15-25.
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64. Pandiyan J., Jayakumar S., Elumalai K., **Krishnappa K**. 2019. Chemical composition and mosquitocidal properties of Indian medicinal plant *Loranthes pentandrus* Linn. (Loranthaceae) against dengue vector, *Aedes aegypti* malarial vector, *Anopheles stephensi* and filarial vector, *Culex quinquefasciatus* (Diptera:Culicidae). Manuscript number jvbd-245-17, is acceptable for publication in the Journal of Vector Borne Diseases. (**Impact Factors: 0.886**), **ICMR- Publication**.
65. **Kaliyamoorthy Krishnappa**, Jeganathan Pandiyan, Kuppusamy Elumalai, Samidurai Jayakumar and Jayabal Gokulakrishnan. GC-MS analysis and mosquitocidal activities of essential oils against dengue vector. 2019. Manuscript number APJTM-426- 18, is acceptable for publication in the journal of Asian Pacific Journal of Tropical Medicine. (**Impact Factors: 1.634**), **ICMR- Publication**.
66. Samidurai Jayakumar, Natarajan Honestraj, Gunasekaran Sharmila, Cheruthottunkara Purushothaman Ashwin, **Kaliyamoorthy Krishnappa**, Venugopal Dhananjayan, Subramanian Muralidharan. Factors influencing the behavior of pesticide use: A case study among the rice farmers of Cauvery Deltaic Zone, Tamil Nadu. Manuscript is accepted for publication in the journal of Environmental Science and Pollution Research. (**Impact Factors: 2.800**), **Springer- Publication**.

### III. m. Details of Impact Score Earned

Sl. No.	Name of the Journal	Year	Score
1.	Journal of Vector Borne Disease	2010	1.177
2.	Asian Pacific Journal of Tropical Biomedicine	2011	1.300
3.	Parasitology Research	2011	2.558
4.	Journal of Vector Borne Disease	2012	1.177
5.	Revista do Instituto de Medicina Tropical de São Paulo	2012	1.489
6.	Asian Pacific Journal of Tropical Medicine	2012	1.634
7.	Asian Pacific Journal of Tropical Biomedicine	2012	1.300
8.	Asian Pacific Journal of Tropical Biomedicine	2012	1.300
9.	Asian Pacific Journal of Tropical Diseases	2012	1.300
10.	Asian Pacific Journal of Tropical Diseases	2012	1.300
11.	European Review of Medicine and Pharmacological Sciences	2013	1.575
12.	European Review of Medicine and Pharmacological Sciences	2013	1.575
13.	European Review of Medicine and Pharmacological Sciences	2013	1.575

14.	European Review of Medicine and Pharmacological Sciences	2013	1.575
15.	Journal of Agricultural Technology	2013	0.685
16.	Insta Science Journal of Chemistry	2013	0.162
17.	Advances in Zoology	2014	0.190
18.	Journal of Coastal Life Medicine	2014	0.247
19.	Journal of Coastal Life Medicine	2014	0.247
20.	Journal of Coastal Life Medicine	2014	0.247
21.	International Journal of Current Innovative Research	2015	0.570
22.	International Journal of Current Innovative Research	2015	0.570
23.	International Journal of Current Innovative Research	2015	0.570
24.	Discovery Science	2015	0.403

Certain most Popular Articles Published from India, China, Brazil, Italy, Germany, United State of America, Malaysia, Thailand, etc.,

### III. n. Papers Presented in Seminars / Symposia / Conferences (62 Nos.)

1. **Screening of certain plants to control the armyworm, *Spodoptera litura* (Lepidoptera : Noctuidae).** In: *National symposium on current trends in Environment and Biosafety* (SCEB), 2008, held in the department of Zoology, Annamalai University, during 8-9<sup>th</sup> March 2008.
2. **Ovicidal and larvicidal activity of certain plant volatile oils against important vector mosquitoes.** In: *National symposium on current trends in Environment and Biosafety* (SCEB), 2008, held in the department of Zoology, Annamalai University, during 8-9<sup>th</sup> March 2008.
3. **Screening of botanicals to control the important economic pest, *Spodoptera litura* fab. (Lepidoptera: Noctuidae).** In: *National symposium on current trends in Environment and Biosafety* (SCEB), 2008, held in the department of Zoology, Annamalai University, during 8-9<sup>th</sup> March 2008.
4. **Feeding deterrent activity of certain plant extracts against the fruit borer, *Helicoverpa armigera* (Hubner) (Lepidoptera: Noctuidae).** In: *National seminar on Advances in Biological Sciences* (ABS – 2010), 2010, held in the department of Zoology, Annamalai University, during 23<sup>rd</sup>-January 2010.
5. **Studies on neem based phytopesticides induced alteration in head polypeptides in *Spodoptera litura* (fab.) (Lepidoptera : Noctuidae).** In: *National seminar on Advances in Biological Sciences* (ABS – 2010), 2010, held in the department of Zoology, Annamalai University, during 23<sup>rd</sup>-January 2010.
6. **Bioefficacy of selected plant extracts against thean important field pest, *Spodoptera litura* Fab. (Lepidoptera: Noctuidae).** In: *National Conference on Interplay of Biological and Chemical* (NCIBCS – 2010), 2010, held in the department of Zoology, Annamalai University, during 6<sup>th</sup> - 8<sup>th</sup> January 2010.
7. **Phytopesticide – an approach to control the important pest, *Spodoptera litura* Fab. (Lepidoptera: Noctuidae).** In: *National Conference on Interplay of Biological and Chemical* (NCIBCS – 2010), 2010, held in the department of Zoology, Thiruvalluvar University, Vellore, during 6<sup>th</sup> - 8<sup>th</sup> January 2010.
8. **Antibacterial activity of *Cassia auriculata* linn. *Emblica officinalis* gerth. and *Phyllanthus emblica* Linn.** In: *National Conference on Interplay of Biological and Chemical* (NCIBCS – 2010), 2010, held in the department of Zoology, Thiruvalluvar University, Vellore, during 6<sup>th</sup> - 8<sup>th</sup> January 2010.

9. **Larvicidal activity of *Anacardium occidentale* oil against three human vector mosquitoes *Anopheles stephensi* (Liston), *Culex quinquefasciatus* (Say) and *Aedes aegypti* (L.)** In: *National Conference on Interplay of Biological and Chemical* (NCIBCS – 2010), 2010, held in the department of Zoology, Thiruvalluvar University, Vellore, during 6<sup>th</sup> - 8<sup>th</sup> January 2010.
10. **Effect of plant oil formulation on hemocytes of the armyworm, *Spodoptera litura* (Lepidoptera: noctuidae).** In: *National Conference on Interplay of Biological and Chemical* (NCIBCS – 2010), 2010, held in the department of Zoology, Thiruvalluvar University, Vellore, during 6<sup>th</sup> - 8<sup>th</sup> January 2010.
11. **Chemical composition and larvicidal activity of essential oil from *Clausena excavate* against armyworm, *Spodoptera litura* (Fab.) (Noctuidae:Lepidoptera).** In: *UGC sponsored national seminar on emerging trends and challenges in aquatic biotechnology* (NSETCAB-2011) held in the department of Zoology, Khadir Mohideen College, during 12<sup>th</sup> and 13<sup>th</sup> -February 2011.
12. **Larvicidal and repellent activities of *Salvia sclarija* medicinal plant essential oil against *Aedes aegypti* (Linn.), *Anopleles stephensi* (Liston) and *Culex quinquefasciatus* (Say.) (Diptera: Culicidae).** *International Conference on Science and Technology for Clean and Green Environment* 27<sup>th</sup> -28<sup>th</sup> july- 2012.
13. **Mosquitocidal activity of *Nepta cataria* essential oil against *Aedes aegypti* (Linn.), *Anopleles stephensi* (Liston) and *Culex. quinquefasciatus* (Say.) (Diptera:Culicidae).** *International Conference on Science and Technology for Clean and Green Environment* 27<sup>th</sup> -28<sup>th</sup> july- 2012.
14. **Insecticidal and phytochemical properties of *Cleome viscosa* against *Spodoptera litura* (fab.) (Lepidoptera: Noctuidae).** In: *National seminar on environment, biodiversity and bioetics current trends and future perspective* (NCEBB) (ABS – 2012), held in the department of Zoology, Annamalai University, during 23<sup>rd</sup>-and 24<sup>th</sup> march 2012.
15. **Mosquitocidal properties of selected botanical extracts against vector mosquitoes (Diptera:Culicidae).** In: *National seminar on environment, biodiversity and bioetics current trends and future perspective* (NCEBB) (ABS – 2012), held in the department of Zoology, Annamalai University, during 23<sup>rd</sup>-and 24<sup>th</sup> march 2012.
16. **Mosquitocidal properties of *Oxystelma esculentum* (asclepiadaceae) against *Aedes aegypti* (Linn) (Diptera:Culicidae).** In: *proceedings of National conference on recent advances in computational biology* (RACB – 2012), held in the department of Zoology, Government Arts College Karur (Autonomous), during 9<sup>th</sup> march 2012.
17. **Impact of Plant Oil Formulations (POFS) against an important agricultural field pest, *Spodoptera litura* (Fab.) (Lepidoptera: Noctuidae).** In: *Proceedings of National conference on recent advances in computational biology* (RACB – 2012), held in the department of Zoology, Government Arts College Karur (Autonomous), during 9<sup>th</sup> march 2012.
18. ***In vitro* assessment of plant volatile oils against Pathogenic Bacteria.** In: *National Conference on Environmental Issues and Challenges- Vision 2020* (EnVISION 2020), held in the department of Zoology, Annamalai University, during 27<sup>th</sup> & 28<sup>th</sup> September – 2013.
19. **Larvicidal and ovicidal activities of indigenous plant, *Murrya paniculata* Linn (Rutaceae) against the Chikunkunya vector mosquito *Aedes aegypti* Linn**

- (**Diptera: Culicidae**). In: *National Conference on Environmental Issues and Challenges- Vision 2020* (EnVISION 2020), held in the department of Zoology, Annamalai University, during 27<sup>th</sup> & 28<sup>th</sup> September – 2013.
20. **Larvicidal and ovicidal activities of *Murrya exotica* Linn (Rutaceae) against Dengue vector mosquito *Aedes aegypti* L, common Malarial vector, *Anopheles stephensi* liston, and filarial vector *Culex quinquefasciatus* Say (Diptera: Culicidae).** In: *National Conference on Environmental Issues and Challenges- Vision 2020* (EnVISION 2020), held in the department of Zoology, Annamalai University, during 27<sup>th</sup> & 28<sup>th</sup> September – 2013.
  21. **Mosquitocidal activities of selected botanical extracts against medically important human dengue vector mosquito *Aedes aegypti* (Linn.) (Diptera: Culicidae).** In: *National Conference on Environmental Issues and Challenges- Vision 2020* (EnVISION 2020), held in the department of Zoology, Annamalai University, during 27<sup>th</sup> & 28<sup>th</sup> September – 2013.
  22. **Mosquitocidal properties of *Oxystelma esculentum* (Asclepiadaceae) against *Aedes aegypti* (Linn.) (Diptera: Culicidae).** In: *National Conference on Environmental Issues and Challenges- Vision 2020* (EnVISION 2020), held in the department of Zoology, Annamalai University, during 27<sup>th</sup> & 28<sup>th</sup> September – 2013.
  23. **Larvicidal activity of three medicinal plants against *Aedes aegypti* and *Culex quinquefasciatus*.** In: *National Conference on Environmental Issues and Challenges- Vision 2020* (EnVISION 2020), held in the department of Zoology, Annamalai University, during 27<sup>th</sup> & 28<sup>th</sup> September – 2013.
  24. ***Justicia procumbens* Linn Indian medicinal plant tested against larvicidal and ovicidal activity of *Culex quinquefasciatus* Say (Diptera: Culicidae).** In: *National Seminar Recent Trends in Biological Sciences* (NSRTBS-13), held in the Department of Zoology, Nehru Memorial College (Autonomous), Puthanampatti, Trichy, during 7<sup>th</sup> & 8<sup>th</sup> March – 2013.
  25. **Larvicidal and repellent activities of *Rhinacanthus nasutus* Kurz tested against *Aedes aegypti*, *Aedes albopictus*, *Anopheles stephensi*, *Culex quinquefasciatus* and *Culex tritaeniorhynchus* (Diptera: Culicidae).** In: *National Seminar Recent Trends in Biological Sciences* (NSRTBS-13), held in the Department of Zoology, Nehru Memorial College (Autonomous), Puthanampatti, Trichy, during 7<sup>th</sup> & 8<sup>th</sup> March – 2013.
  26. **Larvicidal and ovicidal activities of *Gendarussa vulgaris* Nees against dengue vector mosquito *Aedes aegypti* Linn (Diptera: Culicidae).** In: *National Seminar Recent Trends in Biological Sciences* (NSRTBS-13), held in the Department of Zoology, Nehru Memorial College (Autonomous), Puthanampatti, Trichy, during 7<sup>th</sup> & 8<sup>th</sup> March – 2013.
  27. **Certain plant extracts tested against agricultural important field pest *Achaea janata* (Linn.) (Lepidoptera: Noctuidae).** In: *National Seminar Recent Trends in Biological Sciences* (NSRTBS-13), held in the Department of Zoology, Nehru Memorial College (Autonomous), Puthanampatti, Trichy, during 7<sup>th</sup> & 8<sup>th</sup> March – 2013.
  28. **Larvicidal, ovicidal, and repellent activities of *Cissus quadrangularis* and *Combretum ovalifolium* extracts against selected human vector mosquitoes (Diptera: Culicidae).** In: *National Seminar Recent Trends in Biological Sciences*

- (NSRTBS-13), held in the Department of Zoology, Nehru Memorial College (Autonomous), Puthanampatti, Trichy, during 7<sup>th</sup> & 8<sup>th</sup> March – 2013.
29. ***Aristolochia bracteata* botanical extracts control the *Aedes aegypti*, *Anopheles stephensi*, and *Culex quinquefasciatus* (Diptera: Culicidae).** In: *National Seminar Recent Trends in Biological Sciences* (NSRTBS-13), held in the Department of Zoology, Nehru Memorial College (Autonomous), Puthanampatti, Trichy, during 7<sup>th</sup> & 8<sup>th</sup> March – 2013.
  30. ***Gymnema sylvestre* Indian medicinal plant protectants against human dengue vector *Aedes aegypti*.** In: *National Seminar Recent Trends in Biological Sciences* (NSRTBS-13), held in the Department of Zoology, Nehru Memorial College (Autonomous), Puthanampatti, Trichy, during 7<sup>th</sup> & 8<sup>th</sup> March – 2013.
  31. **Mosquitocidal activities of *Barleria prionitis* linn tested against selected mosquito species of *Aedes aegypti* Linn, *Anopheles stephensi* Liston and *Culex quinquefasciatus* Say (Diptera: Culicidae).** In: *National Seminar Recent Trends in Biological Sciences* (NSRTBS-13), held in the Department of Zoology, Nehru Memorial College (Autonomous), Puthanampatti, Trichy, during 7<sup>th</sup> & 8<sup>th</sup> March – 2013.
  32. **Pesticidal properties of *Loranthus pentandrus* Linn. (Loranthaceae) against armyworm *Spodoptera litura* (Fab.) (Lepidoptera : Noctuidae).** In: proceedings of *State Level Seminar on Environmental Conservation and Water Resource Management*, held in the department of Zoology, Nandanam Arts College, Chennai- during 29<sup>th</sup> & 30<sup>th</sup> January – 2015.
  33. **Botanical extract of *Abrus precatorius* Linn. (Fabaceae) *Culex quinquefasciatus* Say (Diptera: Culicidae).** In: proceedings of *State Level Seminar on Environmental Conservation and Water Resource Management*, held in the department of Zoology, Nandanam Arts College, Chennai- during 29<sup>th</sup> & 30<sup>th</sup> January – 2015.
  34. **Toxicity of *Strychnos nux – omica* (Loganiaceae) against Tobacco Cutworm *Helicoverpa armigera* Hub. (Lepidoptera: Noctuidae).** In: proceedings of *State Level Seminar on Environmental Conservation and Water Resource Management*, held in the department of Zoology, Nandanam Arts College, Chennai- during 29<sup>th</sup> & 30<sup>th</sup> January – 2015.
  35. **Pesticidal activity of *Premna glaberrima* Wight (Verbenaceae) against Armyworm *Spodoptera litura* (Fab.) (Lepidoptera: Noctuidae).** In: proceedings of *State Level Seminar on Environmental Conservation and Water Resource Management*, held in the department of Zoology, Nandanam Arts College, Chennai- during 29<sup>th</sup> & 30<sup>th</sup> January – 2015.
  36. **Larvicidal and ovicidal activities of *Eupatorium triplinerveahl* (Astraceae) Malarial vector, *Anopheles stephensi* Liston (Diptera: Culicidae).** In: proceedings of *State Level Seminar on Environmental Conservation and Water Resource Management*, held in the department of Zoology, Nandanam Arts College, Chennai- during 29<sup>th</sup> & 30<sup>th</sup> January – 2015.
  37. **Mosquitocidal activities of *Agerantia adenophora* plant extracts tested against *Anopheles stephensi* Liston (Diptera: Culicidae).** In: *State Level Conference on Recent Trends in Bio Science* (Rtbs) - 2015, held in the department of Zoology, Poompuhar College, during 8<sup>th</sup> & 9<sup>th</sup> January – 2015.

38. **Mosquito larvicidal, ovicidal and repellent properties of *Pelargonium greveolens* L. Herit. (Geraniaceae) leaf extracts against *Aedes aegypti* Linn, *Anopheles stephensi* Liston and *Culex quinquefasciatus* Say (Diptera:Culicidae).** In: *State Level Conference on Recent Trends in Bio Science* (Rtibs) - 2015, held in the department of Zoology, Poompuhar College, during 8<sup>th</sup> & 9<sup>th</sup> January – 2015.
39. **Pesticidal activity of *Curculigo orchioides* Gaetern against *Spodoptera litura* (Fab.) (Lepidoptera: Noctuidae).** In: *State Level Conference on Recent Trends in Bio Science* (Rtibs) - 2015, held in the department of Zoology, Poompuhar College, during 8<sup>th</sup> & 9<sup>th</sup> January – 2015.
40. **Bioassay of *Curculigo orchioides* Gaetern against *Collosobruchus maculatus* F. (Coleopteran;Bruchidae).** In: *State Level Conference on Recent Trends in Bio Science* (Rtibs) - 2015, held in the department of Zoology, Poompuhar College, during 8<sup>th</sup> & 9<sup>th</sup> January – 2015.
41. **Mosquitocidal activities of *Moringa oleifera* seeds extracts against *Anopheles stephensi* (Diptera:Culicidae).** In: *State Level Conference on Recent Trends in Bio Science* (Rtibs) - 2015, held in the department of Zoology, Poompuhar College, during 8<sup>th</sup> & 9<sup>th</sup> January – 2015.
42. **Efficacy of selected plant extracts against *Culex quinquefasciatus* Say mosquito Third instar larvae.** In: *State Level Conference on Recent Trends in Bio Science* (Rtibs) - 2015, held in the department of Zoology, Poompuhar College, during 8<sup>th</sup> & 9<sup>th</sup> January – 2015.
43. **Botanical extracts against oviposition and ovicidal activity against *Helicoverpa armigera* (Hub.) (Lepidoptera: Noctuidae).** In: *State Level Conference on Recent Trends in Bio Science* (Rtibs) - 2015, held in the department of Zoology, Poompuhar College, during 8<sup>th</sup> & 9<sup>th</sup> January – 2015.
44. **Mosquitocidal activities of *Loranthus pentandrus* Linn. (Loranthaceae) against Chikunkunya vector mosquito *Aedes aegypti* Linn (Diptera:Culicidae).**In: *State Level Conference on Recent Trends in Bio Science* (Rtibs) - 2015, held in the department of Zoology, Poompuhar College, during 8<sup>th</sup> & 9<sup>th</sup> January – 2015.
45. **Mosquito Adulticidal and repellent activities of *Loranthus pentandrus* against Dengue vector, mosquito *Aedes aegypti* (Diptera:Culicidae).** In: *State Level Conference on Recent Trends in Bio Science* (Rtibs) - 2015, held in the department of Zoology, Poompuhar College, during 8<sup>th</sup> & 9<sup>th</sup> January – 2015.
46. **Adulticidal activity of *Clausena excavate* Burm F. (rutaceae) against *Aedes aegypti*, *Anopheles stephensi* and *Culex quinquefasciatus*(Diptera:Culicidae) and *Spodoptera litura* (Fab.) (Lepidoptera: Noctuidae).** In: *State Level Conference on Recent Trends in Bio Science* (Rtibs) - 2015, held in the department of Zoology, Poompuhar College, during 8<sup>th</sup> & 9<sup>th</sup> January – 2015.
47. **Mosquito larvicidal, ovicidal and pupicidal activities of *Abras precatorius* Linn. (Fabaceae) against Dengue vector mosquito *Aedes aegypti* Linn, Malarial vector, *Anopheles stephensi* Liston, and Filarial vector *Culex quinquefasciatus* Say(Diptera:Culicidae).** In: *State Level Conference on Recent Trends in Bio Science* (Rtibs) - 2015, held in the department of Zoology, Poompuhar College, during 8<sup>th</sup> & 9<sup>th</sup> January – 2015.
48. **Pesticidal activity of *Abras precatorius* Linn. (Fabaceae) against polyphagous field pest *Spodoptera litura* (Fab.) (Lepidoptera: Noctuidae).** In: *State Level Conference*

on Recent Trends in Bio Science (Rtibs) - 2015, held in the department of Zoology, Poompuhar College, during 8<sup>th</sup> & 9<sup>th</sup> January – 2015.

49. Pandiyan, J. Elumalai, K., **Krishnappa, K.**, 2018. **Mosquitocidal activity of *Polygala arvensis* willd against *Aede saegypti* (Linn.), *Anophele stephensi* (Liston) and *Culex quinquefasciatus* (Say.) (Diptera :Culicidae).** In: Zoology Congress 2018, held at P.G. and Research Department of Zoology, St. Xavier's College (Autonomous), Palayamkottai, Thirunelveli on 10 - 12th January 2018.
50. Pramanandham, J., Ronald Ross, P., Jayakumar, S., Duraimurugan, V. and **Krishnappa, K.** 2018. **Study on Performance evaluation of Bhenidi *Abelmoschus esculentus* in coir pith after subjected to different treatments.** Zoology Congress held at P.G. and Research Department of Zoology, St. Xavier's College (Autonomous), Palayamkottai, Thirunelveli on 11<sup>th</sup> January 2018.
51. Jayakumar, S., Ramya, A., Pramanandham, J., **Krishnappa, K.** and Duraimurugan V. 2018. **Web Architecture and Predatory Interaction of Social Spider (*Stegodyphus sarasinorum* Karsch, 1892) in east coastal region of Tamil Nadu.** Zoology Congress held at P.G. and Research Department of Zoology, St. Xavier's College (Autonomous), Palayamkottai, Thirunelveli on 11<sup>th</sup> January 2018.
52. **Krishnappa, K.**, Elumalai, K., Jayakumar, S., Paramanandham, J., Duraimurugan, V., Pandiyan, J. 2018. **Botanical extracts of *Celosia argentea* and *Anthocephalus cadamba* against agricultural polyphagous field pest *Spodoptera litura* (Fab.) (Lepidoptera: Noctuidae).** Zoology Congress held at P.G. and Research Department of Zoology, St. Xavier's College (Autonomous), Palayamkottai, Thirunelveli on 11<sup>th</sup> January 2018.
53. **Mosquitocidal activity of *Polygala arvensis* willd against *Aede saegypti* (Linn.), *Anophele stephensi* (Liston) and *Culexquinquefasciatus* (Say.) (Diptera :Culicidae).** In: Zoology Congress 2018, held at P.G. and Research Department of Zoology, St. Xavier's College (Autonomous), Palayamkottai, Thirunelveli on 10 - 12<sup>th</sup> January 2018.
54. **Botanical extracts of *Celosia argentea* and *Anthocephalus cadamba* against agricultural polyphagous field pest *Spodoptera litura* (Fab.) (Lepidoptera: Noctuidae).** In: Zoology Congress 2018, held at P.G. and Research Department of Zoology, St. Xavier's College (Autonomous), Palayamkottai, Thirunelveli on 10 - 12<sup>th</sup> January 2018.
55. **Study on Performance evaluation of Bhenidi *Abelmoschus esculentus* in coir pith after subjected to different treatments.** In: Zoology Congress 2018, held at P.G. and Research Department of Zoology, St. Xavier's College (Autonomous), Palayamkottai, Thirunelveli on 10 - 12<sup>th</sup> January 2018.
56. **Web Architecture and Predatory Interaction of Social Spider (*Stegodyphus sarasinorum* Karsch, 1892) in east coastal region of Tamil Nadu.** In: Zoology Congress 2018, held at P.G. and Research Department of Zoology, St. Xavier's College (Autonomous), Palayamkottai, Thirunelveli on 10 - 12<sup>th</sup> January 2018.
57. **Mosquitocidal activit of indigenous plant *Pedaliium murex* against human vector mosquitoes.** In: One Day State Level Seminar on Recent Trends In Advanced Bio-Sciences (RTABS-2019). P.G. and Research Department of Zoology, Poompuhar College (Autonomous), melaiyur -609107 on 9<sup>th</sup> January 2019.



58. **GC-MS analysis and mosquitocidal activities of *Pogostemon cablin* against vector mosquitoes.** *In:* One Day State Level Seminar on Recent Trends In Advanced Bio-Sciences (RTABS-2019). P.G. and Research Department of Zoology, Poompuhar College (Autonomous), melaiyur -609107 on 9<sup>th</sup> January 2019.
59. **Fertility effect of Indian medicinal plant extract in female genital tract in rat.** *In:* One Day State Level Seminar on Recent Trends In Advanced Bio-Sciences (RTABS-2019). P.G. and Research Department of Zoology, Poompuhar College (Autonomous), melaiyur -609107 on 9<sup>th</sup> January 2019.
60. **Diversity and abundance of butterfly (Lepidoptera) fauna in Kalaimahal College Campus, Sembanarkoil, Tranqubar Taluk, Tamilnadu.** *In:* One Day State Level Seminar on Recent Trends In Advanced Bio-Sciences (RTABS-2019). P.G. and Research Department of Zoology, Poompuhar College (Autonomous), melaiyur - 609107 on 9<sup>th</sup> January 2019.
61. ***Melissa officinalis*- borne compounds as novel pesticides: effectiveness against medical pest and agricultural pest.** *In:* One Day State Level Seminar on Recent Trends In Advanced Bio-Sciences (RTABS-2019). P.G. and Research Department of Zoology, Poompuhar College (Autonomous), melaiyur -609107 on 9<sup>th</sup> January 2019.
62. **Boefficacy of *Tinospora malabarica* leaf extract against *Spodoptera litura*, *Helicoverpa armigera* and *Achaea janata* (Lepidoptera: Noctuidae).** *In:* One Day State Level Seminar on Recent Trends In Advanced Bio-Sciences (RTABS-2019). P.G. and Research Department of Zoology, Poompuhar College (Autonomous), melaiyur -609107 on 9<sup>th</sup> January 2019.

#### **Papers Under Preparation & Under Review—03 Nos.**

1. ***Lavandula angustifolia* essential oil phyto-compounds as leads to potential mosquitocides.** Acta Tropica- Elesiver publication, (Impact factor 2.590).
2. **A potential seed disperser Common Palm Civet at Cauvery Deltaic Zone, Tamil Nadu, India.** Global Ecology and Conservation- Elesiver publication, (Impact factor 2.174).
3. **Assessment of Seed Dispersal by Ungulates in Point Claimere Wildlife Sanctuary, Southern India.** Environmental Science and Bulletin Research - Springer Publication, (Impact factor 2.800).
4. **Density, diversity of mosquitoes and mosquitocidal properties of green synthesized silver nanoparticles in Kodaikanal Wildlife Sanctuary, Theni District, Tamilnadu, india.** Arabian Journal of Chemistry - Elesiver publication, (Impact factor 2.96).

#### **Certain Biological Related Analytical Instrument Known to Operate**

1. Leaf area meter
2. Soxlet Apparatus
3. Rotary Vacuum Evaporator

4. Gas Chromatography and Mass Spectrometer (GC-MS)
5. UV Spectrophotometer
6. High Performance Liquid Chromatography (HPLC)
7. Centrifuge- All Types
8. Electrophoresis- All Types
9. Other minor Instruments

**Area of Teaching in Both UG and PG Level (Present and Past)**

**UG Level (Zoology)**

1. Microbiology and Immunology
2. Invertebrata
3. Chordata
4. Developmental Biology (Embryology)
5. Animal Physiology
6. Bio- Physics And Bio- Chemistry
7. Cell & Molecular Biology
8. Apiculture

**PG Level (Zoology and Wildlife Biology)**

1. Climate Change and Wildlife Conservation
2. Research Methodology
3. Wetland and Marine Biodiversity Conservation
4. Forest Entomology
5. Ichthyology and Herpetology
6. Cell and Molecular Biology
7. Aquaculture
8. Apiculture
9. Environmental Biology
10. Economic Zoology
11. Genetics
12. Biotechnology
13. Microbiology

**Awards—01 Nos.**

1. Received A Special Award for Scored More than 250 Citation in Google Scalars (Present Status: Citations 842, h-index 15, i10-index 29) held in relations to Teacher Day Celebration at A.V. C. College (Autonomous), Mannampandal on 5<sup>th</sup> September 2018.

**Orientation and Refresher Course—01 No.**

1. Participated in ‘Twenty Eight Days Orientation Course conducted by UGC- Human Resource Development Centre, Pondicherry University, Pondicherry – 605014 Work from 02-11-2018 to 29-11-2018 at Pondicherry University, Pondicherry.

**Participation in Animal/Bird Census Programme —02Nos.**

1. Participated in “Annual Animal and Bird Census’ in Point Calimere Wildlife Sanctuary, Kodiyakkarai. Organized by Tamil Nadu Forest Department, Tamil Nadu during 7 & 8<sup>th</sup> February 2018.
2. Participated in “Annual Bird Census’ in Point Calimere Wildlife Sanctuary, Kodiyakkarai. Organized by Tamil Nadu Forest Department, Tamil Nadu during 29 & 29<sup>th</sup> March 2018.

### **Invited Talks Delivered—02 Nos.**

1. **Mosquitoes and Public Health** in NSS Programme day Celebration held at Arupathi Village, near A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai on 24-03-2018.
2. A special lecturer on **Significance of Integrated Farming in Lab to Land Programme**, Department of Zoology and Wildlife Biology, Celebration held at A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai on 27-03-2018.

### **Extracurricular and Extension Activities**

1. **Serving as Other State Students Welfare Committee, Co- Coordinator** in A.V.C. College (Autonomous) since 2018.
2. **Serving as CIA-Question Paper, Students Attendance and Students Internal Marks Verification, Member in (Department level)** A.V.C. College (Autonomous) since 2018.
3. **Serving as Cloud Computing Co- Coordinator** in A.V.C. College (Autonomous) since 2018.
4. **Serving as Tutor in- Charge for II M.Sc., Wildlife Biology Students**, A.V.C. College (Autonomous) since July 2018. (II M.Sc., Wildlife Biology, 2018 – 2019 Batch)
5. **Served as Co-opted Member in Board of Studies held at Department of Zoology & Wildlife Biology**, held at 24.02.2018 to discuss and finalize the complete skeleton and syllabi for I & II semester of UG and PG courses, A.V.C. College (Autonomous), Mannampandal.
6. **Served as Co-opted Member in Board of Studies held at Department of Zoology & Wildlife Biology**, held at 04.04.2019 to discuss and finalize the complete skeleton and syllabi for I & II semester of UG and PG courses, A.V.C. College (Autonomous), Mannampandal.
7. **Served as applications scrutiny member in UG & PG level**, Department of Zoology, A.V.C. College (Autonomous) since 2017.
8. **Acted as judge for the Quiz competition held in connection with Wildlife Week Celebration-2018**, Organized by the Department of Zoology, A.V.C. College on October-2018.
9. **Member in stock verification committee (Department Level and General Library)**, A.V.C. College (Autonomous) since 2017.
10. **Acted as External Examiner in Even Semester Practical Examination**, Department of Zoology at Pompuhar College (Autonomous) on 28-30/03/ 2019 (Three days).
11. **Served as External Valuation Examiner**, UG level in Department of Zoology, Kumbakonam Arts College (Autonomous), 16 & 17. 05. 2018 (Two days) and 20 & 21 (Two days).
12. **Served as Chair Person in One Day State Level Seminar on Recent Trends In Advanced Bio-Sciences (RTABS-2019)**. P.G. and Research Department of Zoology, Poompuhar College (Autonomous), melaiyur -609107 on 9<sup>th</sup> January 2019.

## References

### **1. Dr. R. Nagarajan**

Principal & HoD

PG & Research Department of Zoology and Wildlife Biology

A.V.C. College (Autonomous)

Mannampandal, Mayiladuthurai-609305, Southern India

Mobile: +91 9487112627

Email: [oystercatcher@rediffmail.com](mailto:oystercatcher@rediffmail.com);

### **2. Dr. J. Gokulakrishnan**

Assistant Professor & Head Of the Department

PG and Research Department of Zoology

Poompuhar College (Autonomous),

Melaiyur – 609 107

Nagapattinam District, Tamil Nadu India

Mobile: +91 94439 85831

Email: [gokulagalya@gmail.com](mailto:gokulagalya@gmail.com)

### **3. Dr. K. Elumalai**

Associate professor

PG and Research Department of Zoology

Govt. Arts College for Men (Autonomous)

Nandanam, Chennai – 600035

Tamil Nadu India

Mobile: +91 94444 40269

Email: [professorelumalai@gmail.com](mailto:professorelumalai@gmail.com)

I declare that the above said information is true to the best of my knowledge.

Station: Mayiladuthurai

Date : 30/04/2019

Signature of the Applicant

(K. KRISHNAPPA)