

## PROFILE

**Name of the Faculty - Dr. Mrs. K. Arifa Banu**

Designation – Assistant Professor of Zoology

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### Current area of Research

✚ Entomology

✚ Phytochemistry

✚ Endocrinology

**Google Scholar link :** <https://scholar.google.co.in/citations?user=K-cEpw8AAAAJ&hl=en>

**Citations : 4**

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### Education:

**Ph.D.**, (2014) – Madurai kamaraj University, Madurai.

**M.Phil.** (2003) Bhrathiyar university,

**M.Sc.**, (1999) Madurai Kamaraj University: Arulmigu palani  
andavar College of arts & Sciences for Women , Palani

**Working Experience** : 15yrs of Teaching UG, PG.

**Additional Responsibilities** : **NSS Programming Officer 2016 -2019**

: **Member in Entry in Service Committee 2016 - 2019**

: **Convener Part V Extension Activities From Aug 2021 onwards.**

## **Research Experience**

### **Papers Published in journals:**

1. Ibuprofen Associated toxicity in the Thyroid glands, G. Vanitha Kumari, **K. Arifa Banu** and R. Deivendran. **Journal of Endocrinology and Reproduction**, In Proceeding n of Twenty first national symposium of the Society for reproductive Biology and Comparative Endocrinology,Held at Department of Zoology Banaras Hindu University, Varanasi Feb 10 -13: **2003. Journal of Endocrinology and Reproduction**<http://www.i-scholar.in/index.php/JERSRBCE/article/view/99249>
2. Ibuprofen – The over the counter drug’s advers effect on the adrenal structures and organ weight. G. Vanitha Kumari, **K. Arifa Banu** and R. Deivendran **Journal of Endocrinology and Reproduction** <http://www.i-scholar.in/index.php/JERSRBCE/article/view/99253>
3. Formulation of herbal pesticide towards effective control of Scale insects in *Pisidium guajava*.L.International journal of pharmaceutical research & Allied Sciences, Vol 1, issue3(**2012**),88-93. <https://ijpras.com/storage/models/article/ISsHg616Snud4leZ2QJ5TauwvcNEajgVGsCaCYtaFihhGcmHOLbh6ixh40j5/formulation-of-herbal-pesticide-towards-effective-biological-control-of-scale-insects-in-psidium-g.pdf>
4. Biochemical changes in *Mangifera indica* Linn. Fruit due to infestation of Scale insects. International journal of Pharmaceutical research and Allied Sciences. Volume. Issue 4 (**2012**) 71 – 74. <https://ijpras.com/storage/models/article/xnyZ1ehC00mtCr6Jj8NGoIq>

[QfHEpEqVlvfwN9OFSpyDE2t78Mfnis4hNHSsD/biochemical-changes-in-mangifera-indica-linn-fruit-due-to-infestation-of-scale-insects.pdf](https://www.researchgate.net/publication/338111111)

5. Novel herbal pesticide to control scale insects.] Journal of Pharmaceutical and scientific innovation .2014(2(4)22-25 ISSN 2277-4572]. [https://jpsionline.com/admin/php/uploads/233\\_pdf.pdf](https://jpsionline.com/admin/php/uploads/233_pdf.pdf)
6. A Study on pesticidal Activity of *Sesbania grandiflora*, *Moringa oleifera*, *Murraya koenigii* on Rice Weevil in stored grain, Sustainable Humanosphere publisher Survival revisit Institute, Kyoto University, Japan. February **2020**, Volume: 16 Issue: 1 ; 120 -124 ISSN: 1880 – 65030.330.

### **Papers presented in Conferences:**

1. A. Novel herbal pesticide to control adult scale insects In Annual meeting of the Society for Biotechnologist (India) & **National Conference** on “Current scenario in Biotechnology” K.S.Rengasamy college of Technology-Tiruchengode 3 Days from 27<sup>th</sup> to 29<sup>th</sup> September **2012**.
2. Soil-less Vermitechnology for scale insect control in **National** seminar on “New frontiers in Biology” Jayaraj Annapackiam College for Women, Periyakulam. 18 -19<sup>th</sup> December **2012**.
3. A Study on Feeding Deterrent and Mortality effect of *Vitis vinifera*, *Brassica juncea* and *Trigonella forenum graecum* seeds in Adult rice weevil *sitophilus oryzae* in **International** Conference on “Challenges to Environment and health”, Jamal Mohamed College, Trichy on 30<sup>th</sup> January **2020**.

### **Conference Conducted:**

1. “National Conference on Latest Trends in Life Sciences”  
Under UGC Autonomous grant on 26<sup>th</sup> September 2019

### Conferences /Workshops / Seminars /Symposia Attended:

<b>SI. NO</b>	<b>PROGRAMME</b>	<b>DURATION &amp; DATES</b>	<b>UNIVERSITY/ COLLEGE</b>	<b>SPONSORING AGENCY</b>
<b>1</b>	Inter Collegiate Seminar on Applied Biotechnology	28 <sup>th</sup> January 1999	Jayaraj Annapackium College for Women, Periyakulam	Post graduate department of Biology
<b>2</b>	National Symposium On Male reproduction	10 – 12 <sup>th</sup> Nov 2000	Bharathiar University, Coimbatore	Department of Zoology
<b>3</b>	4 <sup>th</sup> National seminar of Indian Society for Sheep &Goat production & Utilization	9- 11 <sup>th</sup> Nov 2001	Bharathiyar University, Coimbatore	Department of Zoology
<b>4</b>	National Seminar on The Role of Siddha & Ayurvedha Medicines in Geriatric Care	2 Days 19 – 20, 2009	School of Biosciences Dr.G.R.Damodaran College of Science, Coimbatore	Department of AYUSH ,Ministry of Health and Family Welfare, Govt. of India.
<b>5</b>	State Conference on Global warming	17 <sup>th</sup> Dec 2009	Hajee Karutha RowtherHowdia College,Uthamapalaya m.	Department of Biology & IQAC
<b>6</b>	Creation of Scientific awareness among rural, Farmers, students and self help groups	15 – 16 <sup>th</sup> 2014	Hajee Karutha RowtherHowdia College,Uthamapalaya m	Department of Botany & Zoology&IQAC
<b>7</b>	International Conference on Recent trends in biological Sciences	1 Day 25 <sup>th</sup> January 2016	Hajee Karutha Rowther Howdia College- Uthamapalayam	University Grants Commission (UGC)- New Delhi
<b>8</b>	National workshop on Microbial tool	9 <sup>th</sup> &10 <sup>th</sup> February	J.A College- Periyakulam	DST & FIST

	and Bioremediation	2017		
<b>9</b>	International & professional development Workshop on Teaching and Learning Pedagogy for faculties	30 <sup>th</sup> June 2018	Hajee Karutha Rowther Howdia College- Uthamapalayam	IQAC
<b>10</b>	National symposium on Biodiversity perspectives	20 <sup>th</sup> sep 2018	Hajee Karutha Rowther Howdia College, Uthamapalayam.	UGC Autonomous Grant
<b>11</b>	National seminar on Emerging trends in current environmental issues	11 <sup>th</sup> & 12 <sup>th</sup> December 2019	Jayaraj Annapackiam College for women, Periyakulam	Jayaraj Annapackiam College for women, Periyakulam
<b>12</b>	Workshop on Outcome based Education	29 <sup>TH</sup> Jan 2020	Hajee Karutha Rowther Howdia College- Uthamapalayam	IQAC
<b>13</b>	Three Days Online Course on Apiculture	15 <sup>th</sup> May 2020	Ayya Nadar Janaki Ammal College	Department of Zoology
<b>14</b>	International Virtual Conference on Microplastics	June 30 <sup>th</sup> 2020	, Vellore Institute of Technology	Centre for Nano biotechnology,
<b>15</b>	Webinar on Mapping The Complex Folding And Misfolding Mechanisms In Protein Using Single Molecule Force Spectroscopy	Aug 28 <sup>th</sup> 2020	NSHM School Of Engineering And Technology, Nshm Knowledge Campus, Durgapur-Goi.	NSHM School Of Engineering And Technology, Nshm Knowledge Campus, Durgapur-Goi.

**Short Term Course /FDP/ Internship Attended:**

<b>Sl.NO</b>	<b>PROGRAMME</b>	<b>INSTITUTION</b>	<b>SPONSORING AGENCY</b>	<b>DURATION AND DATE</b>
<b>1</b>	International Faculty Development Programme on 'Biological Sciences'	Nallamuthu Gounder Mahalingam College, Pollachi.	PG & Research Department of Botany Nallamuthu Gounder Mahalingam College, Pollachi.	May 25 <sup>th</sup> 31 <sup>st</sup> 2020 <b>7Days</b>
<b>2</b>	Summer Internship on "Analytical Techniques in Research"	Avinashilingam Institute for Home Sciences and Higher education for Women, Coimbatore. Bharat Ratna Prof.C.N.R Rao Research Centre	Bharat Ratna Prof.C.N.R Rao Research Centre	<b>8 Days</b> June 6 <sup>th</sup> to 13 <sup>th</sup> 2020
<b>3</b>	Faculty Development Programme on Pedagogy and Research Methods	AMET Academy of Maritime Education and Training	HRDC & IQAC	<b>14 Days</b> 24/05/21 to 06/06/2021
<b>4</b>	Short term Course in Climate Change – Impact on Sustainable Development	Indian Science Congress Association, Coimbatore & R&D cell & Department of Botany,	Kongunadu Arts& Science College, Coimbatore.	<b>6 Days</b> 15 <sup>th</sup> – 20 <sup>th</sup> July 2021.

## Orientation /Refresher Courses Attended:

SI.NO	PROGRAMME	UNIVERSITY	SPONSORING AGENCY	DURATION AND DATE
1	Orientation Course	Madurai Kamaraj university- Madurai	HRDC	28 days 31.08.2017 to 27.08.2017
2	NSS- Orientation Course	Avinashilingam Institute for Home Sciences and Higher Education for Women.	Avinashilingam Institute for Home Sciences and Higher Education for Women.	7 days 18.01.2018 to 24.01.2018
3	Refresher Course(Online) in Life Sciences	UGC-HRDC- Madurai Kamaraj University- Madurai.	UGC-HRDC- Madurai Kamaraj University- Madurai.	14 days 09.12.2020 to 22.12.2020
4	Online Refresher Course in 'Science Academics'	PG & Research Department of Chemistry and Physics. APA College of Arts and Culture Palani.	PG & Research Department of Chemistry and Physics. APA College of Arts and Culture Palani.	<b>15 Days</b> June 24 <sup>th</sup> to July 7 <sup>th</sup> 2020
5	Refresher Course on 'Role of Teachers in Nation Building'	Dept of English & Commerce with ICSSR _ SRC Keshav Memorial Institute of Commerce, Narayanaguda, Hyderabad, Telangana 29	Dept of English & Commerce with ICSSR _ SRC Keshav Memorial Institute of Commerce, Narayanaguda, Hyderabad, Telangana 29	<b>7 Days</b> Aug 3 <sup>rd</sup> to 9 <sup>th</sup> 2020

