RESEARCH CONTRIBUTION
Research Papers Published in peer reviewed journals

S.No.	Details of publication			
National Journals				
		ISSN No.	**Impact factor**	**Indexing**
1.	V.Dhanalakshmi1*, K.Shanthi2**, S.Mariselvi 2,** E.Neelamathi3Phytoremediation of a eutropic pond Krishnan anaikattu kulam of Pollachi town by *Vetiveria zizanioides* L.Environmental Science, An Indian Journal, Ecotoxicology. 7(**1**), 2012 [5-9)	0974 - 7451	0.45	Google scholar
International Journals				
2.	**Mariselvi, S.** and Manimegalai, K. (2016). Comparative studies of Econeem and *Piper longum* extracts against cotton roller *Sylepta derogate* Fab. ***International Journal of Innovation Sciences and Research*** .5(**2**):642-652	2319-9369	7.39	NCBI, Research gate, Google scholar, Index Copernicus
3.	**Mariselvi, S.** and Manimegalai, K.. (2016). Biochemical studies of cotton pest *Sylepta deogata* Fab. by econeem, *Acorus calamus* and *Piper longum* extracts. ***International Journal of Scientific and Research Publications***.6 (**1**):388-401.	2250-3153	4.62	Index Copernicus
4.	**Mariselvi, S.** and Manimegalai,. (2016). Comparative analysis of *Acorus calamus* and *Piper longum* extracts on *Sylepta deogata* Fabricus (Order: Lepidoptera) ***International Journal of Current Science and Technology.*** 4(**5**): 198-202.	2320-8090	3.927	Index Copernicus
5.	Mathiyanga K., Manimegalai K. and **Mariselvi S.** (2016).Efficacy of *Meloidogyne incognita* at different inoculum levels on the growth parameters of maize crop. ***International Journal of Horticultural and Crop Science Research.***6 (**1**):21-27.	2249-4243	-	Thomson Reuters
6.	**Mariselvi, S**. and Manimegalai, K.(2017). Biological control of cotton pest S*ylepta derogata* by using plant extracts Econeem, *Acorus calamus* and *Piper longum*. ***International Journal of Current Science Research***.3 (**2**):1064-1068.	2454-5422	4.46	Databases
7.	Eswaran.N and **Mariselvi. S** (2016), Efficacy of Vermicompost on growth and yield parameters of *Lycopersicum esculentum*(Tomato). ***International Journal of Scientific and Research Publications***, 6(**1**),pp: 95-108,	2250-3153	4.41	Google scholar

8.	**Mariselvi. S** and Manimegalai.K, (2016), Biochemical studies of cotton pest *Sylepta derogata Fab. by using Econeem, Acorus calamus* and *Piper longum* extracts. ***International Journal of Scientific and Research Publications.*** 6(**1**), pp 388-401.	2250-3153	4.41	Google scholar
9.	Eswaran.N and **Mariselvi. S** (2016), Effect of organic manure and vermicompost on the nutrient levels (nitrogen, phosphorus and potassium) in amended soil. ***International Journal of Current Research*** 8(**1**), pp. 25014-25019	0975-833X	7.08	Index Copernicus RESEARCHERID Google scholar
10.	**Mariselvi. S** and Manimegalai.K(2017), Phytochemical Screening and XRD analysis of black pepper *P.nigrum.* ***International journal of Current Advanced Research*** 6(**7**), pp: 4992 – 4994.	2319-6505 (P) 2319-6475 (E)	6.61	Scopus, Elsevier
11.	**Mariselvi. S** and Manimegalai.K(2017), GC-MS determination of Bioactive Components of *Piper nigrum.* **World journal of pharmaceutical and life science**, Vol. 3(**7**), pp 243-245.	2454-2229	4.22	Google scholar Index Copernicus Global impact factor, Indian citation index
12.	**Mariselvi. S** and Manimegalai.K(2017), Phytochemical Screening And XRD Analysis of *Momordica Charantia.* ***International Journal of Development Research*** Vol. 07(**8**), pp.14593-14595.	**2230-9926**	5.66	Google scholar Index Copernicus Research gate
13.	Eswaran.N and **Mariselvi. S** (2020), Physico-chemical studies of amaravathi and aliyar reservoirs, tamil nadu, India Sambodhi (UGC Care Journal)	2249-6661	5.80	UGC Care list -1
14.	**S.Mariselvi1**, Alok Tiwari2, Sivakumar Ponnusamy 3 , Sumanta Bhattacharya4. **2022.** Alternative medicines to enhance the efficacy and safety of Anticancer therapy *Bull. Env. Pharmacol. Life Sci.,* Vol 10 [11]: 16-02.	2277-1808	4.638	Web of science
15.	**S.Mariselvi1,**Santosh Karajgi2, Anil Kumar3, Swati Das4, Ayesha Tabassum5, **2022** Analysis and improvement in commonly used drugs using bioinformatics. ISSN 2277-1808 *Bull. Env. Pharmacol. Life Sci.,* Vol 11 [5] : 185-191.	2277-1808	4.638	Web of science
16.	**S.Mariselvi1,** Manish Upadhyay2,Sivakumar Ponnusamy3 **2022** Bioanalytic sciences for reconstructing membrane. *Bull. Env. Pharmacol. Life Sci.,* Vol 11 [5] : 175-179.	2277-1808	4.638	Web of science

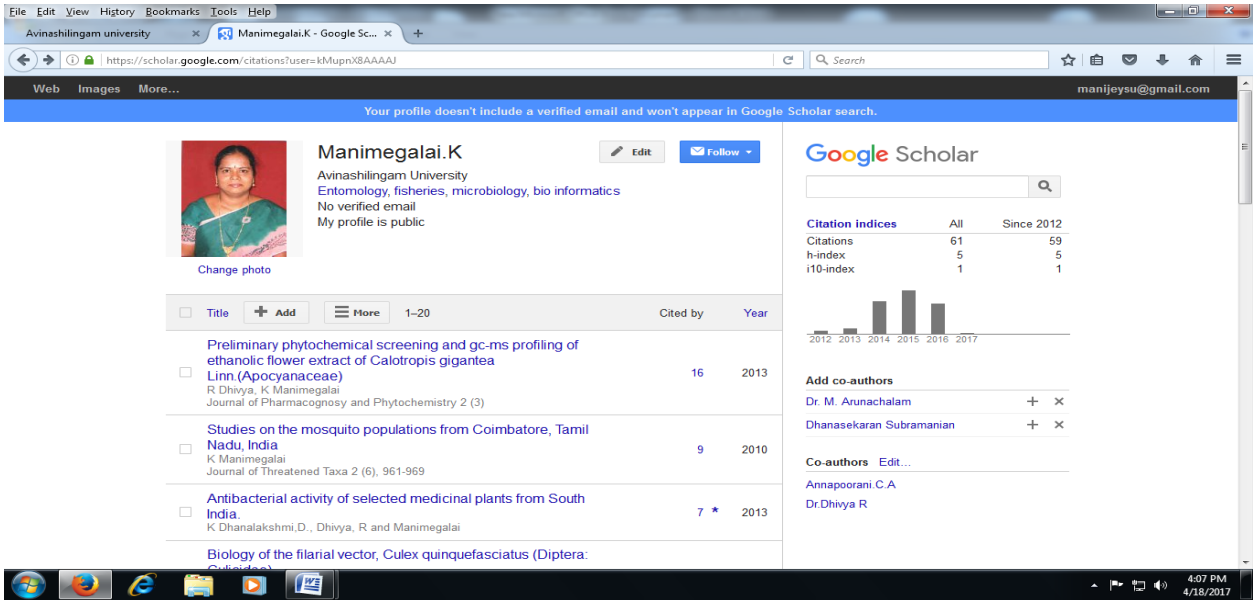
17.	**S.Mariselvi1**, Anil Kumar2, P.Poongothai3, B Prabhu Shankar4, Subbulakshmi Packirisamy5 .**2022**. Natural drug products to adopt a complex approach to Biogenics. *Bull. Env. Pharmacol. Life Sci.,* Vol 10 [11]: 16-02.	2277-1808	4.638	Web of science
18.	**S.Mariselvi1**,Santosh Karajgi2, E.N. Gaviraj3, V. Uma Maheswara Rao4,**2022**. Development of clinical biochemistry to maintain performance in the health care environment, *Bull. Env. Pharmacol. Life Sci.,* Vol 11 [5], 68-72.	2277-1808	4.638	Web of science
19.	Debabrata Mohanty1, S.**Mariselvi2** , Sajith.S3 , Sivakumar Ponnusamy 4 **2022** Analysis of Bioinformatics on Gene Expression and Discovery of Medicines, *Bull. Env. Pharmacol. Life Sci.,* Vol 10 [11], 16-02	2277-1808	4.638	Web of science
20.	Sunil Kumar RM1,S.**Mariselvi2**,Kavita khatana3, Anil Kumar4, Shreya Arora5 **2022** Enhancing the quality of drug discovery using bioinformatics leads to more effective treatments. *Bull. Env. Pharmacol. Life Sci*., Vol 11 [5], 113-118.	2277-1808	4.638	Web of science
21.	Brijendra Gupta1, S.**Mariselvi2**.N.Vasugi3,Juan Carlos Cotrina Aliaga4,Asma Mateen Hussain5, **2022**, Identify the new medicine target to anticipate repositioning targets using bioinformatics, *Bull. Env. Pharmacol. Life Sci.,* Vol 11 [5] ,98-103.	2277-1808	4.638	Web of science
22.	Arun B Prasad1, Uriti Sri Venkatesh 2**,** **S.Mariselvi3** Research on health care data to control illness-related challenges *Bull. Env. Pharmacol. Life Sci.* Vol 10 [11] 16-02.	2277-1808	4.638	Web of science
23.	Raghunandan G H, **S.Mariselvi**, Priya J, Surya Narayan Sahul, Role of GPS Tracking in Monitoring the survival and hunting of Wildlife, *Bull. Env. Pharmacol. Life Sci.,* Vol 10 [11], 16-02.	2277-1808	4.638	Web of science

24.	A. Irudaya Lourdu Gladis , V. Jemima Florence Borgia,R. Lakshmanan, **S.Mariselvi** and S. N. Suresh, Biosynthesis and Characterization of Silver nanoparticles Using *Barleria cuspidata* Leaves Extract and Mechanism of Antimicrobial Action of Selected Human Pathogens, *Uttar Pradesh J. Zool.*, vol. 44(22), pp. 361-368, 2023	0256-971X	5.24	UGC Care
25.	R.Lakshmanan*1 , S. Mariselvi 2 , A. Srinivasalu3 , S. Jayapriya4 , S.N.Suresh5 , B.Mohanapriya6 , and S. Violet Beaulah. Facile Green Synthesis and Characterization of Ag-Cu-Zn Nanoparticles using *Cordia sebestena* L. flower extract and their antimicrobial efficacy. Acta Biomed 2024; Vol. 95, N. 1:	ISSN: 0392-4203 | eISSN: 2531-6745	0.521	Scopus
26.	08.04.2022 – "Extraction of Protein from Animal Bone through Novel Method" Application number : 202231011366A, Name of the inventors: Dr.Somdip Majumdar, Dr.Shilpa Mohan Shitole, Dr.S.Mariselvi, Dr. Shivakrishna Pabba, Dr. G. Renuka, Ms. Snehal Sahare, Dr.Vipin Maurya. Office of Controller General of Patents,Designs & Trade marks, Department of Industrial Policy & Promotion, Ministry of Commerce & Industry, Govt. of India.	Patent	Patent	Patent
27.	**05.05.2023 -** Title "Mosquito repelling herbal body powder" Application number 202341025095: , Name of the inventors: K.Manimegalai, C.A. Annapoorani, C.V.Preethika, S.Mariselvi, Office of Controller General of Patents,Designs & Trade marks, Department of Industrial Policy & Promotion, Ministry of Commerce & Industry, Govt. of India.	Patent	Patent	Patent

Publication Scoring				
S.No	**Name of the Journal**	**Author**	**Referred Journal**	**Total**
National Journals				
1.	Journal of Current Sciences	4	17.5	17.5
2.	Indian Journal of Environment and Ecoplanning.	3	17.5	17.5
3.	Research. Highlights	2	17.5	17.5
4.	Journal of Ecotoxicology and Environmental monitoring	4	17.5	17.5
5.	Journal of Threatened Taxa	3	17.5	17.5
6.	Hygeia Journal for Drugs and Medicines	3	17.5	17.5
7.	Journal of Threatened Taxa.	1	25	25
8.	Uttar Pradesh Journal of Zoology	1	25	25
9.	Plant Archives	3	17.5	17.5
10.	Plant Archives	3	17.5	17.5
11.	Plant Archives	3	17.5	17.5
12.	Uttar Pradesh Journal of Zoology	3	17.5	17.5
13.	Uttar Pradesh Journal of Zoology	1	25	25
14.	Uttar Pradesh Journal of Zoology	1	25	25
			Total score	**275**

S.No	Name of the Journal	Author	Referred Journal	Impact Factor	Total
International Journals					
1.	Hygeia Journal of Drugs and Medicines	3	17.5	-	17.5
2.	International Journal of Pharma Medicine and Biological Sciences	2	17.5	-	17.5
3.	World Journal of Zoology	2	17.5	-	17.5
4.	International Journal of Recent Scientific Research	2	17.5	3.0(15)	32.5
5.	International Journal of Pharmacognosy and Phytochemistry.	2	17.5	-	17.5
6.	Hygea Journal for Drugs and Medicines.	2	17.5	-	17.5
7.	International journal of Pharmaceutical and Phyto pharmacological research.	2	17.5	0.7826(5)	22.5
8.	International Journal of Pharmaceutical Research and Development.	2	17.5	-	17.5
9.	International journal of Pharma and Biosciences.	2	17.5	-	17.5
10.	International research journal of pharmaceutical and Applied Sciences	2	17.5	-	17.5
11.	International Journal of Pharmaceutical Sciences Review and Research	2	17.5	1.704(10)	27.5
12.	International Journal of Scientific Research	3	17.5	0.3371(5)	22.5
13.	International journal of Pharma and Bio Sciences	3	17.5	0.47(5)	22.5
14.	International Research Journal of Current Research.	2	17.5	1.125(10)	27.5
15.	International Journal for Pharmaceutical Research Scholars	2	17.5	1.0285(10)	27.5
16.	International Journal of Pharmaceutical Research and Development	2	17.5	2.01(15)	32.5
17.	International Journal of Recent Scientific Research.	2	17.5	1.136 (10)	27.5
18.	International Journal of Recent Scientific Research.	2	17.5	1.136(10)	27.5
19.	International Journal of Current Microbiology and Applied Sciences	2	17.5	1.594(10)	27.5
20.	World Journal of Pharmaceutical Research.	2	17.5	5.045(15)	32.5
21.	International Journal for Pharmacy and Life Sciences	2	17.5	-	17.5
22.	International Journal of Innovation Sciences and Research.	2	17.5	-	17.5

23.	International Journal of Scientific and Research .Publications.	2	17.5	-	17.5
24.	International Journal of Current Science and Technology.	2	17.5	-	17.5
25.	International Journal of Fauna and Biological studies	2	17.5	-	17.5
26.	World Journal of Pharmacy and Pharmaceutical Sciences.	2	17.5	6.041(15)	32.5
27.	International Journal of Horticultural & Crop Science Research	3	17.5	-	17.5
28.	International Journal of Current Science Research	2	17.5	-	17.5
				Total Score	**625**



III.B. Conference proceedings by National Publishers

S.No	Conference Proceedings	Year and Publishers	ISBN No.	Authors	API Score
1.	Sridevi,P and Manimegalai,K. Studies on the population of mosquitoes	Tamil Nadu state council for science and Technology, Chennai (1999-2000).	-	2	3
2.	Praveena,T and Manimegalai,K. Treatment of textile industrial effluents using silver nano particles	Tamil Nadu state council for science and Technology, Chennai (2007-2008).	-	2	3
3.	Divya, R and Manimegalai,K. Climate change and mosquito prevalence in Coimbatore	Tamil Nadu state council for science and Technology, Chennai (2008-2009).	-	2	3
4.	Annapoorani,C.A. and Manimegalai,K Mosquito larvicidal activity of *momordica charantia* leaf extract against filarial	N.K.Mehra for Narosa Publishing House Pvt.Ltd., New Delhi.	978-81-8487-363-4	2	3

	vector, *Culex quinquefasciatus*				
				Total Score	**12**

III. C (i). Research Projects

S.No	Project	Agency	Period	Grant	API Score
1.	Popularization of simple scientific post- harvest technologies for preserving grains in rural areas.- **Co-investigator**	Department of Science and Technology	1999-2001	2,20,000	10
2.	Screening for larvicidal acitivity of *Prosophis spicigera* and *Abutilon indicum* on the immature of Culex quinquefasciatus.	Sri Avinashilingam Education Trust Institution, Coimbatore.	2004	22,500	-
3.	Efficacy of Native larvivorous fishes against the Chikungunya vector, *Aedes aegypti.*- **Principal investigator**	University of Grants Commission	2008-2010	1,00,000	10
4.	Control of Chikungunya vector,*Aedes aegypti* and filarial vector, *Culex quinquefasciatus* (Diptera: Culicidae) using fresh water copepods in Coimbatore, Tamil Nadu. **Principal investigator**	University of Grants Commission	2012- 2014	9,11,600	20
5.	Distribution mapping of dengue vector and other species of mosquitoes in Tamil Nadu using GIS and evaluation of selected medicinal plant extracts against *Aedes spp.* **-Principal investigator**	Department of Science and Technology	2013- 2015	12,00,000	20
				Total Score	**60**

II. D. (i). Research Guidance: M.Phil

S. No	Reg. No	Thesis Submitted	Degree Awarded	API Score
1.	05MP31 R.Uthaya kumari	Morphometric geometric discrimination of *Culex quinquefasciatus*.	2006	5
2.	05MP58 K.Sajna Raj	Shape variation in the wing morphometry of *Armigeres subalbatus* in two different populations representing two geographic regions.	2007	5
3.	06MPO62 S.Sajani	Wing dimorphism in *Armigeres subalbatus* (Diptera:culicidae) from Kollangode of palakkad District, Kerala .	2008	5
4.	07MPO91 L.Jagatheeswari	Treatment of paper mill effluent and sewage using silver nanoparticals.	2008	5
5.	09MPO72	Truss network analysis of wing shape in *Culex*	2010	5

	R.Dhivya	*gelidus* (diptera: culicidae)from alwarkurichi, Thirunelveli		
6.	15MPZOF001 Mathiyanga	Antifungal activity and Biological control of *Azadirachta indica* and *Brassica nigra* (L.)oil and seed extracts against the fourth instar larvae of *Plutella xylostella*(Lepidoptera: Plutellidae)	2016	5
			Total score	**30**

III. D. (ii). Research Guidance: Ph.D

S.No	Name of the candidate	Thesis Submitted	Degree Awarded	API Score
1.	Dhanalakshmi,D.	Insilico approaches for characterizing antimicrobials and larvicidal activity of selected plant extracts against the filarial vector, *Culex quinquefasciatus* (Diptera: Culicidae).	17.2.2014	**15**
2.	Annapoorani,C.A.	Population dynamics and insilico approaches of larvicidal activity of selected plant extracts against filarial vector, *Culex quinquefasciatus* (Diptera: Culicidae).	7.10.2014	**15**
3.	Dhivya,R.	Insilico studies to screen ovicidal and repellent activity of selected plant extracts against the filarial vector, *Culex quinque fasciatus*(Diptera: Culicidae).	12.1.2016	**15**
			Total score	**45**

III. E. Fellowships, Awards and Invited Lectures delivered in Conferences/Seminars

(i). Fellowships DST-Curie

S. No	Title of Fellowship	Awarding agency	Duration of Fellowship	National/ International/State	API Score
1.	DST-Curie	DST, New Delhi	14th July 2010 to 30th March 2012	National	**15**
				Total score	**15**

S.No.	Name of the award	Year
1	**Dr. RadhaKrishnan Award** -The best teacher for meritorious service rendered for the cause of Education	1996-1997.
2	**Tamil Nadu NSS State Award** -For the Best Programme officer on 4.9.2002 at Chennai from the Honorable Minister for Education. The award consists of a Medal, a cash award of Rs.1500/- and a certificate from Tamil Nadu State in Recognition of the outstanding service to the community under NSS	2000– 2001.
3.	**Deposited the Model of the target sequence of salivary gland** PDB: Salivary gland protein from *Culex quinquefasciatus,* PMDB id: PM0079099	2013

	Author: Annapoorani, C.A. and Manimegalai, K. (2013).	

List of Enclosures:

Enclosure-I

General information and Academic Background

- ✓ Community certificate
- ✓ X, XII, B.Sc., M.Sc., M.Phil., Ph.D. Certificates
- ✓ Appointment orders
- ✓ Orientation and Refresher courses

Enclosure-II :Academic Performance Indicators

Category I

- ❖ Time Table (2011-2017)

Enclosure-II :Academic Performance Indicators

Category II

- ❖ **Discipline related co-curricular activities**
  - ✓ Remedial class
  - ✓ National Service Scheme
  - ✓ Sports
- ❖ **Extension and Dissemination activities**
  - ✓ Letters enclosed
- ❖ **Administrative responsibilities**
  - ✓ Letters enclosed
- ❖ **Participation in seminars, conferences, short term training courses**
- ❖ **Membership letters of**
  - ✓ Entomological Society of America
  - ✓ Indian Fisheries Association
  - ✓ Board of Studies
  - ✓ Examination Committee
  - ✓ Academic Council Member
- ❖ **Letters of**
  - ✓ Paper Reviewer
  - ✓ Research Convention
  - ✓ Academic Audit
- ❖ Participation in Workshops/Seminars/Conferences- Certificates

Enclosure-II :Academic Performance Indicators

Category-III

- Publications
  - ✓ National
  - ✓ International
- Research Projects
- M.Phil., and Ph.D., Awarded
- Invited lectures
- Papers presented in conferences
  - ✓ National
  - ✓ International
  - ✓ Best paper presentation award
  - ✓ Chaired session
- Training programmes attended and organized
  - ✓ National
  - ✓ International
- **Letters of**
  - ✓ List of testimonials
  - ✓ No objection certificate
  - ✓ Service certificate
  - ✓ Salary certificate
- **Awards Received**
  - ✓ Dr.Radhakrishnan award - Meritorious Service
  - ✓ Best Programme Officer –NSS State Award

I certify that the information provided is correct as per records available with the University and/or documents enclosed along with the duly filled PBAS Performa.

Signature of the Faculty with Designation, Place and Date

Signature of HOD

Signature of Dean

Signature of the Head
of the Institution

N.B: The individual PBAS Proforma duly filled along will all enclosures, submitted for the Post of Professor under Direct Recruitment will be duly verified by the University/ College as necessary and placed before the Screening cum Evaluation Committee or Selection Committee for Assessment/ verification.