

Name : Dr.K.BHAVANI
Qualification : M.Sc.,M.Phil.,B.Ed.,Ph.D.,
Designation : Assistant Professor
Name of the Department : Zoology
Date of Birth : 03.06.1978
Date of Appointment : 07.11.2008
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 Kumbakonam – 612 001.



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Specialization : Fish Toxicology & Fish Immunology
Experience (UG/PG) : UG - 15yrs, PG – 15Yrs,

QUALIFICATION

Degree	Major / Specialization	Institute / University	Year of Passing	% of Marks	University Ranks if any
UG	Zoology	VOC College, Thoothukudi, Manonmaniyamsundaranar University.	2000	I st Class	-
PG	Zoology	VOC College, Thoothukudi, Manonmaniyamsundaranar University.	2002	I st Class	-
M.Phil	Zoology	VOC College, Thoothukudi, Manonmaniyamsundaranar University.	2003	I st Class	-
Ph.D	Zoology fish toxicology	Annamalai University	2015	Commented	-

RESEARCH PROFILE

Name of the teaching staff: Dr. K.BHAVANI

Designation: ASSISTANT PROFESSOR

Department: ZOOLOGY

Research Experience:

S. No.	Research Work at	Title of Thesis
1.	Ph.D.	EVALUATION OF ARSENIC (III) OXIDE TOXICITY USING ADULT AND EARLY DEVELOPMENT STAGES OF ZEBRA FISH, DANIO RERIO AS A MODEL
2.	M.Phil.	EFFECT OF PARTIALLY HYDROLYZED $\beta(1,3)$ D-DLUCAN ON THE IMMUNE SYSTEM OF CATLA CATLA AGAINST THE BACTERIAL PATHOGEN, AEROMONAS HYDROPHILA

Research Guidance: (2015-2016 to 2022-2023)

S. No.	Programme	No. s	
		Completed	Ongoing
1	M.Sc.	12	2
2	M.Phil.	-	-
3	Ph.D.	-	-

Teaching Experience (as on 2023):

Post Held	University/ Institution	Period		No. of years/ months	Nature of work
		From	To		
Assistant Professor	Annamalai University	07.11.2008	01.02.2016	7 Years 3 Months	Teaching
Assistant Professor	Government College for Women (A), Kumbakonam	02.02.2016	Till now	7 Years 9 Months	Teaching

Research Publication required details:

1. **K.Bhavani** and R.Karuppasamy.2014.Acute toxicity bioassay and behavioural changes on zebra fish, *Daniorerio* (Hamilton) under arsenic trioxide, International Journal of Modern Research and Reviews, Vol.2, (1): pp 40-46. (ISSN No: 2347-8314).
2. **k.Bhavani** and R.Karuppasamy.2014.Toxicokinetic pattern of arsenic (as) in whole body and tissues of *Daniorerio* exposed to As(III). International Journal of current research,6: 4479-4486.
3. **Bhavani K.** and karuppasamy R.2019. Long-Term Exposure of Arsenic Caused Arsenic Bioaccumulation, Inbalance in Hepatic Markers, Oxidative Status, and Histological Changes in the Liver of Zebrafish (*DanioRerio*) International Journal Of Scientific Research In Biological Sciences, Dec-2019, Vol.6, Issue.No.6, p.no. 32 -38(Impact factor:1.013)
4. K.Kalaimathi,G.Thiyagarajan,S.Vijayakumar,**K.Bhavani**,K.Kathikeyan,J.Maria jancyrani,K.Dass,J.Sureshkumar,S.Prabhu2021. Molecular docking and network pharmacology-based approaches to explore the potential of terpenoids for Mycobacterium tuberculosis,ELSEVIER,Pharmacological research-Modern chinese Medicine 1(2021)100002.(Impact factor: 0.157)
5. Maria Jancy Rani. J., Kalaimathi. K., Vijayakumar. S., Varatharaju. G., Karthikeyan. K., Thiyagarajan. G., **Bhavani. K.**, Manogar. P., Prabhu. S. 2022, “Anti-viral effectuality of plant polyphenols against mutated dengue protein NS2B47-NS3: A Computational exploration” ELSEVIER ,Gene Reports, Vol. 27, 101546.(Impact factor: 0.13)
6. Kalaimathi. K.,Maria Jancy Rani. J.,Vijayakumar. S., Prakash.N.,Karthikeyan. K., Thiyagarajan. G., **Bhavani. K.**, Prabhu. S.,Varatharaju. G.2022, “ Anti-dengue Potential of Mangiferin: Intricate Network of Dengue to Human Genes” RevistaBrasileria de Farmacognosia, vol.32: 410-420.(Impact factor: 2.3)

Department:

Year	Total no. of research papers/books published	Impact factor (Google Scholar/Scopus)
2014	2	-
2019	1	1.013
2021	1	0.157
2022	2	0.13, 2.3

2. Details of Orientation and Refresher course completed (year-wise)

Year	Name of the Teacher	Title of the programme (Orientation and Refresher course completed)	Name of the Institute organized
15.04.2009 TO 12.05.2009	Mrs. K.BHAVANI	ORIENTATION COURSE	BHARATHIAR UNIVERSITY-COIMBATORE
12.11.2014 TO 02.12.2014	Mrs. K.BHAVANI	REFRESHER COURSE IN LIFE SCIENCE	UNIVERSITY OF MADRAS –CHENNAI.
16.11.2018 TO 06.12.2018	Dr. K.BHAVANI	REFRESHER COURSE IN LIFE SCIENCE & BIOTECHNOLOGY	MADURAI KAMARAJ UNIVERSITY- MADURAI.
29.01.2020 TO 04.02.2020	Dr. K.BHAVANI	SHORT TERM COURSE IN RESEARCH METHODOLOGY	BHARATHIDASAN UNIVERSITY-TIRUCHIRAPPALLI.
08.09.2021 TO 21.09.2021	Dr. K.BHAVANI	ONLINE REFRESHER COURSE IN LIFE SCIENCE (INDERDICIPLINARY)	BHARATHIDASAN UNIVERSITY-TIRUCHIRAPPALLI.

3.Seminar/Conference/Workshop/Symposia/Training programme attended during the last five years

Year	Seminar/Conference/Workshop/Symposia/Training programme <u>attended</u>	Place
09.03.2017 to 10.03.2017	State level workshop on “ MICROTECHNIQUES”	Dept. of zoology, Government college for women(A) Kumbakonam.
11.10.2018 to 13.10.2018	“Hands on training to create awareness about applied zoology for self employment”	Dept. of zoology, Government Arts college (A) Kumbakonam.

24.01.2019	International lecture workshop on Advances in Industrial Microbiology	Dept. of Microbiology, Idhaya College for Women, Kumbakonam.
25.07.2019 & 26.07.2019	National Seminar on Fisheries Management	Dept of Zoology, Government College for Women (Autonomous), Kumbakonam.
16.08.2019	National Workshop on Preparation of Student Project Proposal for State and Central Government Funding Agencies	Government College for Women (Autonomous), kumbakonam.
16.11.2021 to 17.11.2021	“Hands on training on microbes-Isolation and Characterization”	Dept. of zoology, Government College for Women (Autonomous), kumbakonam.
FDP		
31.07.2019	Faculty Development Programme on “Prospect of outcome Based Curriculum”	Government College for Women (Autonomous), kumbakonam.
04.11.2022	Faculty Development Programme on “ NAAC SSR PREPARATION IN ANUTSHELL”	Government College for Women (Autonomous), kumbakonam.
03.04.2023	Faculty Development Programme on “ RESEARCH MOTIVATION”	Government College for Women (Autonomous), kumbakonam.

4.Seminar/Conference/Workshop/Symposia/Training programme presented during the last five years (Please attach supporting documents(certificate))

Year	Seminar/Conference/Workshop/Symposia/Training programme <u>presented</u>	Place
NATIONAL		
09.01.2019	National conference on recent trends in microbial impact on environment	Dept. of zoology, Government Arts college for men, Krishnagiri.
25.01.2019	National Conference on Eco-Waste Management	Dept of Zoology, Govt Arts College Melur
INTERNATIONAL		
20.02.2019 to 22.02.2019	International Conference on “RECENT INNOVATIONS IN BIOSUSTAINABILITY AND ENVIRONMENTAL RESEARCH”	Dept of Zoology, Annamalai University, Annamalai nagar.
21.08.2019 to 23.08.2019	International Conference on “Current Immunological Tools for Biodiversity and Status of Environment Health”	Centre of Advanced Study in Marine Biology, Faculty of Marine Sciences, Parangipettai.

27.02.2020 to 28.02.2020	International conference on Frontiers in Environmental health and mitigation.	Government Arts College, Arilur
06.03.2020	International Conference on “Eco-technological Approaches for sustainable environment”	Dept of Microbiology, Government Arts College for Women, Salem.
24.03.2023 to 25.03.2023	International Conference on “ Environmental Degradation”	Dept. of zoology, Government Arts college (A) Kumbakonam.
ONLINE		
11.07.2020	National webinar on “Microbes- Impact and Recent Approaches”	Dept. of zoology, Government Arts college (A) Kumbakonam.
18.07.2020 & 19.07.2020	International Webinar on “Recent Trends in Bioscience and Biotechnology”	Arunai International Research Foundation in association with Dept of Botany, Queen Mary’s College, Chennai.
18.07.2020	National webinar on “Host Immune Responses Vs Viral Infection”	Dept of Zoology, Govt Arts College, Melur.
20.07.2020	National webinar on Marine Biodiversity-Status, Threats and Conservation	Department of zoology , Muthayammal college of Arts and Science, Rasipuram.
24.07.2020	International Webinar on “ The importance of biotechnological tools for the conservation of Bio-resources”	Department of zoology, Raja doraisingam Government arts college, Sivagangai.
30.07.2020	National level Webinar on “Human health and Infectious Diseases”	V.H.N. SenthilkumaraNadar college, Virudhunagar
02.08.2020 to 06.08.2020	International faculty development programme on “Biological and Industrial Application”	Department of microbiology, Idhayacollege for women, Kumbakonam.
FDP		
09. 08. 2020	Faculty Development Programme “Virtual classroom made easy”	Government College for Women(Autonomous),kumbakonam.
02.07.2021	Faculty Development Programme on E-Content Development(Tools,Tips and Techniques)	Government College for Women(Autonomous),kumbakonam.
19 & 20.07.2021	International Webinar on “ The secret of inner power”	Government College for Women(Autonomous),kumbakonam.

5.Seminar/Conference/Workshop/Symposia/Training programme organized during the last five years (Please attach supporting documents(pamphlet/certificate)

Year	Name of the Seminar/Conference/Workshop/Symposia/Training programme organized	Name of the Organizing Secretary
2020	e-Quiz Contest on “GENERAL HEALTH”	Dr.K.Bhavani
2020	e-Quiz on “THE FIRST WOMEN PERSONALITIES IN INDIA”	Dr.K.Bhavani

6. Extension activities (2015-2016 to 2019-2020)

Committee Responsibilities: Government College for Women (Autonomous), Kumbakonam.

2016 -2018- Women cell coordinator

2018- 2021- Women cell committee member

2018-2021- Internal complaints committee

2022-2023- Fine arts Committee member

2022 -2023- Red Ribbon club Coordinator

2023-TILL NOW-Red Ribbon club Coordinator & Fine arts committee member