

# CAUVERY COLLEGE FOR WOMEN (AUTONOMOUS)

## STAFF PROFILE

### PERSONAL INFORMATION

1. Name : Dr. P. BHUVANESWARI

2. Date of Birth : 12.06.1981

3. Address :

Residential	Office
NO. 7, 5 <sup>TH</sup> CROSS, BANKER'S COLONY EXTENSION, KUMARAN NAGAR, TRICHY - 620017	CAUVERY COLLEGE FOR WOMEN, ANNAMALAI NAGAR, TRICHY -18.

### ACADEMIC INFORMATION

4. Designation & Department: Assistant Professor, Department of Microbiology

5. Educational Qualification :

Degree	Year	College/University
B.Sc.,	2002	A.V.C College (Autonomous), Mannampandal, Mayiladuthurai.
M.Sc.,	2004	A.V.C College (Autonomous), Mannampandal, Mayiladuthurai.
M.Phil.,	2006	Annamlai University, Chidambaram
Ph.D.,	2012	Jamal Mohammed College (Autonomous), Trichy

6. Researcher ID :

Linkedin ID : <https://www.linkedin.com/in/dr-p-bhuvaneswari-microbiology-80b69b1b5/>

Google scholar ID :

[https://scholar.google.com/citations?view\\_op=list\\_works&hl=en&user=97TZQw0AAAAJ](https://scholar.google.com/citations?view_op=list_works&hl=en&user=97TZQw0AAAAJ)

ORCID ID: <https://orcid.org/my-orcid?orcid=0000-0001-8671-0174>

Publons: <https://publons.com/researcher/5117804/bhuvaneswari-p/>

Web of Science Researcher ID : AGR-5708-2022

Vidwan ID: <https://vidwan.inflibnet.ac.in/profile/205747>

**7. Experience :**

Date of Joining	Institution	Year of Experience
01.10.2004 – 21.06.2005	Sri Sankara Arts & Science College, Kumbakonam	10 months
24.06.2005 – 04.04.2012	A.V.C.College (Autonomous), Mannampandal, Mayiladuthurai.	7 years
29.07.2019	Cauvery College for women (Autonomous), Annamalai Nagar, Trichy -18.	4 years 8 months

**8. Areas of Specialization :** Probiotics, Fermentation, Biodegradation.**9. Languages known :** English & Tamil**10.Subjects Taught :**

<b>UG</b>	Introduction to Biochemistry, Microbial genetics and Genetic engineering, Medical microbiology, Mushroom technology, Gender studies, Value Education
<b>PG</b>	Virology, Biostatistics, Environmental microbiology, Essentials of Microbiology, Introduction to nanotechnology, Molecular biology, Medical Lab Technology, Industrial Microbiology

**11. Research Supervision:**

	University from where Guideship obtained	Thesis		
		Completed (in numbers)	Year of Completion	Pursuing (in numbers)
<b>M.Phil</b>	PRIST University Thanjavur	5	2010	-
		4	2011	-

## 12. Details of Publications:

Journal Name & Volume	Year of Publication	ISBN Number	Name of the Paper	Impact Factor
J.Sci. Trans. Environ.Techno v. 4(1):39-42.	2010		Degradation of hydrocarbon waste by microbes isolated from oil sludge contaminated soil.	-
J.Ecotoxicol. Environ.Monit. 20(6): 559-562.	2010	0971-0965	Influence of different types of Tempeh and its inhibitory effects on selected bacterial strains	-
J.Ecotoxicol. Environ. Monit. 20(6): 589-592.	2010	0971-0965	Comparative assessment of antibacterial potentiality of cow milk and soy milk yoghurt.	-
Journal of Pure and applied Microbiology 5(1): 213 – 216.	2011	0973-7510	Preparation of bifidus milk using different substrates and its antagonistic effect of pathogens	0.157
Int.J. Current Research 3(6): 355 –357.	2011	0975-833X	Preliminary screening and characterization of Bifidobacterium from faecal samples.	3.686
Int.J.Current Research 3(6): 358 – 360.	2011	0975-833X	Preparation of acidophilus soymilk and its therapeutic effect against gastro intestinal pathogens.	3.686
Journal of the Maharaja Sayajirao University of Baroda	2021	0025-0422	Study on Bacterial Slime Deposit Growth In Paper Machine Wet End and Control By Conventional and Oxidized Biocide	-
Turkish online Journal of Qualitative Inquiry, Vol.12, issue 9	2021	1309-6591	Activities of optical and antibacterial enhanced microwave assisted Zn <sub>2</sub> SnO <sub>4</sub> Nano Rods	
Turkish online Journal of Qualitative Inquiry, Vol.12, issue 9	2021	1309-6591	Magneto Optical an Structural properties of Ni, Ca and Fe Doped ZnO Nanoparticles by Single step method	

### 13. Details of Papers Presented:

Date	Organizer	Name of the Seminar	Paper Name
5 <sup>th</sup> March 2003	Bharathiar University, Coimbatore	National level seminar on current environmental issues- Ecovision'03	Studies on microbial analysis of drinking water quality at Mayiladuthurai
11 <sup>th</sup> & 12 <sup>th</sup> August 2006	FLORA and Biiogenic – Institute of biotechnology, Namakkal	A two day national seminar on “Future Scenario of Biosciences”	Screening of endosulfan degrading fungi in agricultural soil
30 <sup>th</sup> & 31 <sup>st</sup> August 2006	Dhanalakshmi Srinivasan College for Women, Perambalur	National seminar on current developments and future prospects in Biochemistry	Role of fungi on keratin waste degradation
14 <sup>th</sup> & 15 <sup>th</sup> September 2006	Sri Paramakalyani College, Alwarkurichi	National symposium on grow more biotechnological for human and biosphere development	Isolation and characterization of <i>Bacillus thuringiensis</i> from cotton field soil
7 <sup>th</sup> January 2008	Pavendhar Bharathidasan College of Arts & Science, Trichy.	State level seminar on current scenario in biological sciences	Efficiency of <i>Pseudomonas</i> <i>aeruginosa</i> and <i>Aspergillus niger</i> on textile waste degradation
22 <sup>nd</sup> and 23 <sup>rd</sup> February 2008	Mahendra Arts and Science College, Kalipatti	Modern trends in Health care biotechnology and environment	Screening of keratin degrading fungi and its enzymatic activity
24 <sup>th</sup> February 2023	Shri Nehru Vidyalaya College of Arts and Science	National Conference on essential trends in Microbial Research (MICROFIE'23) ISBN: 978-81-19042- 08-1	Production of Rhamnolipid by <i>Pseudomonas</i> <i>aeruginosa</i> using waste dates

**14. Details of Seminars / Conferences / Workshops Attended:**

<b>Year &amp; Date</b>	<b>Organizer</b>	<b>Title</b>	<b>National / International</b>
5 <sup>th</sup> March, 2003	Bharathiar University, Coimbatore	National level seminar on current environmental issues-covision'03	National
17 <sup>th</sup> -19 <sup>th</sup> February, 2004	A.V.V.M Pushpam college (Autonomous) , Poondi	Symposium on recent trends in biological research	National
23 <sup>rd</sup> -25 <sup>th</sup> February, 2005	Dhanalakshmi Srinivasan college for women, Perambalur	Workshop on Genomics and Proteomics	National
11 <sup>th</sup> & 12 <sup>th</sup> August, 2006	Flora and Biiogenic-Institute of biotechnology	Future scenario of Biosciences	National
28 <sup>th</sup> & 29 <sup>th</sup> December, 2006	J.J College of Arts and Science, Pudhukkottai.	National conference on recent trends in mycological research & 33 <sup>rd</sup> Annual meeting of the mycological society of India	National
11 <sup>th</sup> & 12 <sup>th</sup> January 2007	Sri Sankara Arts And Science college, Kancheepuram	5 <sup>th</sup> National conference on Indian Association of Applied Microbiology with special reference to Microbial Nanotechnology	National
13 <sup>th</sup> August 2008	Periar Maniammai University, Thanjavur	Workshop on Nanotechnology and its Applications	National
5 <sup>th</sup> January, 2009	A.V.C College (Autonomous), Mayiladuthurai	National symposium on Introduction to Nano technology and applications	National
3 <sup>rd</sup> & 4 <sup>th</sup> March, 2011	A.V.C College (Autonomous), Mayiladuthurai.	Recent advances in Bioinformatics	National
11 <sup>th</sup> January 2012	A.V.C College (Autonomous), Mayiladuthurai	Recent trends in food nanotechnology	National

#### 15. Details of Study Materials / Books written and published:

- ❖ A book chapter entitled “Production and optimization of Nisin by using *Lactococcus lactis*” on Advances in Science and Technology, Volume - I, ISBN:978-81-952337-6-2, Ryan Publishers, Trichy-18
- ❖ A book chapter entitled “Assessing the biopotential ability of *Ixora coccinea* flower” on Advances in Science and Technology, Volume - I, ISBN:978-81-952337-6-2, Ryan Publishers, Trichy-18.
- ❖ A book chapter entitled “Microbiological diagnosis of Leptospirosis” on Advances in Science and Technology, Volume - II, ISBN:978-81-952337-4-8, Ryan Publishers, Trichy-18.
- ❖ A book entitled “A Textbook of Pharmacognosy” ISBN: 978-93-93253-11-8, Ryan Publishers, Trichy-18.
- ❖ A book chapter entitled “Comparative assessment of antimicrobial and antioxidant potentiality of probiocated cabbage and radish juice” on Advances in Science and Technology, Volume - III, ISBN: 978-93-93253-50-7, Ryan Publishers, Trichy-18.
- ❖ A book entitled “Computer Applications in Biology” on ISBN- 978-81-19587-71-1, EISBN- 978-81-19587-81-0, Ryan Publishers, Trichy-18.
- ❖ A book chapter entitled “Bioinformatics: Emerging applications in day to day life a novel approach” on Recent Trends in Multidisciplinary Research Vol 2., ISBN: 978-81-19587-63-6., Ryan Publishers, Trichy-18.
- ❖ A book chapter entitled “Potential uses of natural antimicrobial agents and their applications as bio-preservatives” on Antimicrobials in Food Science and Technology”, ISBN:978103221556(HBK), ISBN: 9781032215570 (PBK), ISBN:9781003268949 (EBK), CRC Press, Taylor and Francis.

#### 16. Details of Chairing as Resource Person:

Date	Title of the Seminar/Conference	Session Chaired
01.10.2021	Induction Programme, SNMV College of arts and science, Coimbatore	Resource Person

#### 17. Details of Incharge / Participation in Extracurricular Activities :

Nature of Activity	Period of Incharge
Blood Donars Club Incharge	2022-2023
Cultural Activities	2022-2023
Department Sports In- Charge	2023-2024

**18. Details of Membership in Academic Bodies/ Board of Studies:**

- Life Member in Microbiologist Society, India
- UG Microbiology Question Paper scrutinizing board member in Thiruvalluvar University, Vellore
- UG question paper setter – Microbiology board – Pondicherry University, Pondicherry
- UG & PG question paper setter – Microbiology board – Thiruvalluvar University, Vellore
- UG & PG question paper setter – Microbiology board – A.V.C College (Autonomous), Mannampandal.

**19. Any other information if any:**

- ❖ Completed Diploma in Medical Lab Technology.
- ❖ Cleared online exam ARPIT in “**Biomedical Nanotechnology**”
- ❖ Webinars Attended: International – 14, National -32 State- 5
- ❖ FDP Attended :02 (5 days).

**GEN BANK DEPOSITION**

S.NO	STRAIN NAME	ACCESSION NUMBER
1.	<i>Staphylococcus arlettae</i>	OQ581504
2.	<i>Corynebacterium aurimucosum</i>	OQ581505
3.	<i>Haematococcus lacustris</i>	PP494719