# CAUVERY COLLEGE FOR WOMEN (AUTONOMOUS) STAFF PROFILE

#### PERSONAL INFORMATION

1. Name : Dr. S. JENNY
2. Date of Birth : 19.05.1986

3. Address :

Residential	Office
4/145, N. K. PUDU NAGAR,	CAUVERY COLLEGE FOR WOMEN,
NAVALUR KUTTAPATTU (PO),	ANNAMALAI NAGAR,
TIRUCHIRAPPALLI -620 009	TIRUCHIRAPPALLI -620 018

## **ACADEMIC INFORMATION**

4. Designation & Department: Assistant Professor & Microbiology

## 5. Educational Qualification:

Degree	Year	College/University
Ph.D., Microbiology	2018	Bharathidasan University, Trichy
SET for Lectureship	2011	Bharathiyar University, Coimbatore
M.Phil., Microbiology	2009	Urumu Dhanalakshmi College, Trichy
M.Sc., Microbiology	2008	Srimati Indira Gandhi College, Trichy
B.Sc., Microbiology	2006	Srimati Indira Gandhi College, Trichy

## 6. Researcher ID

BDU Researcher ID: BDU02844001747 Email

ID: jenny.mb@cauverycollege.ac.in

Linked in: <a href="https://www.linkedin.com/in/jenny-s-microbiology-32b984209/">https://www.linkedin.com/in/jenny-s-microbiology-32b984209/</a>

GOOGLE SCHOLAR ID: 4zRQCmEAAAAJ

ORCID ID: <a href="https://orcid.org/0000-0002-9223-2065">https://orcid.org/0000-0002-9223-2065</a>

SCOPUS ID: <a href="https://www.scopus.com/freelookup/form/author.uri">https://www.scopus.com/freelookup/form/author.uri</a>

MENDELEY: https://www.mendeley.com/reference-manager/library/all-references/

WEB OF SCIENCE ID: <u>AAJ-3441-2021</u>

PUBLONS: <a href="https://publons.com/researcher/4333125/jenny-sivakumar/">https://publons.com/researcher/4333125/jenny-sivakumar/</a>

VIDWAN ID: <a href="https://vidwan.inflibnet.ac.in//profile/205635/MjA1NjM1">https://vidwan.inflibnet.ac.in//profile/205635/MjA1NjM1</a>

# 7. Experience

Date of Joining	Institution	Year of Experience
01.12.2017	Cauvery college for Women	6 years 5 months

8. Areas of Specialization: Agricultural Microbiology, Waste Management, Organic farming

9. Languages known : English, Tamil

## 10. Subjects Taught :

UG	Fundamentals of Microbiology, Microbial Metabolism, Introductory Virology, Medical Microbiology, Ethno medicine, Mushroom technology, Computer application in Biology, Industrial Microbiology, Microbial Biotechnology & Bioethics, Organic Farming, Professional Skills, Microbial Physiology, Bioinformatics
PG	Medical Microbiology, QC & IPR, Microbial Biotechnology, Bioinformatics & Biostatistics, Immunology, Clinical Microbiology, Virology, Biological Macromolecules, Public Health Microbiology

# 11. Research Supervision:

		Thesis			
	University from where guide ship obtained	Completed (in numbers)	Year of Completion	Pursuing (in numbers)	
Ph.D	Bharathidasan University (Ref. no: 000630/ Ph.D./ K12/ Microbiology/ R.A./ 26.05.2020)	-	-	-	

## 12. Details of Publications:

Journal Name &	Year of	ISBN	Name of the Daner	Impact
Volume	Publication	Number	Name of the Paper	Factor
International Journal of Biotechnology and Allied Fields, 1(5)	2013	2320-0774	Physical and Biological treatment of simple dye using coir pith and marine cyanobacterium <i>Lyngbya</i> sp. BDU 90901.	0.825
International Journal of Agriculture Innovations and Research, 3 (2)	2014	2319-1473	Comprehensive analysis of different particle sizes of organic manure.	1.126
International Journal of Innovative Research in Science & Engineering, 2 (8)	2014	2347-3207	Influence of Organic Manure on Morphological and Yield Attributes of Tomato (Solanum lycopersicum L.) Plants.	0.998

International Journal of Innovative Research	2016	2319-8753	Assessment of different concentrations of organic manure on the growth and	7.089
in Science, Engineering and			yield of Solanum lycopersicum L. (tomato).	
Technology, 5(3)				
International Journal of Zoology and applied sciences, 1(3)	2016	2455-9571	Analysis of microbial population in organic manure and its aqueous extracts on seed germination of <i>Trigonella foenum graecum</i> (Fenugreek)	1.1564
International Journal of Life Sciences Research 6(4)	2018	2348-3148	Biodegradation of lignocellulosic waste using Cyanobacteria and development of organic Manure	-
International Journal of Research in Advent Technology, 6(12)	2018	2321-9637	Development of organic manure in the organic cultivation of Tomato: SEM- EDS & GC-MS analysis	-
Journal of Advanced Scientific Research	2019	0976-9595	Assessment of Phytoconstituents and Antimicrobial activity of Cardiospermum halicacabum	-
Journal of Global Resources	2020	2395-3160	Biological treatment of tannery effluent using cyanobacteria and NRK for <i>Sansevieria trifasciata</i> plant growth	-
The Holistic Approach to Environment. 10(3)	2020	1848-0071	Biodegradation of tannery effluent and its impact on seed germination of <i>Oryza sativa</i> .	-
International journal of Botany studies, 6(1)	2021	2455-541X	Characterization of vegetable oil degrading bacteria from oil mill contaminated soil	-
The Journal of Plant Science Research, 38(2)	2022	0976-3880	Comprehensive analysis of chromium degrading bacteria from tannery effluent	-
Biological Forum – An International Journal, 15(2)	2023	2249-3239	Plant Growth Promoting Rhizobacteria: A Review on Biomass Production and its Scope in Commercialization	-
Biological Forum – An International Journal, 15(5a)	2023	0975-1130	Invitro cholesterol assimilation and functional enzymatic activities of Lactobacillus sp.	-

# 13. Details of Papers Presented:

Date	Organizer	Name of the Seminar	Paper Name
3-6 <sup>th</sup>	Punjab University,	International conference	Comparative studies of
November	Chandigarh	on microbial	organic and inorganic farming
2011		biotechnology for	of Oryza sativa (Poster)
		sustainable development	or or yza sanva (1 oster)
01 & 02 <sup>nd</sup>	Gandhigram Rural	National Conference on	Physical and Biological
February	Institute,	Microbial Technology	treatment of simple dye using
2013.	Gandhigram	for Sustainable	coir pith and Marine
		Development	Cyanobacteria (Oral)
15-17 <sup>th</sup>	Vishva Bharathi,	National Conference on	Effect of liquid organic
November	Santiniketan, West	Frontiers in Algology	fertilizer on seed germination
2013.	Bengal	and Algal	of Trigonella foenum graecum
		Biotechnology	L. (Fenugreek) ( <b>Poster</b> )
12-14 <sup>th</sup>	Tamilnadu	National Conference on	Comprehensive analysis of
November	Agricultural	Empowering mankind	organic manure and its
, 2014.	University,	with microbial	growth promoting efficiency
	Coimbatore	technologies	on Solanum lycopersicum
			(Poster)
01 & 03 <sup>rd</sup>	Anand	National seminar on	Characterization of different
May, 2015.	Engineering	Recent Advances in	particle sizes of organic
2013.	college, Agra	Agricultural,	manure using SEM & FTIR
		Biomedical and	analysis (Poster)
		Environmental	
		Biotechnology	
07-10 <sup>th</sup>	Jawaharlal Nehru	International	Preparation and application of
December, 2015.	University, New	symposium on	organic manure for the growth
2013.	Delhi	Emerging Discoveries in	and yield of Solanum
		Microbiology	lycopersicum plants (Poster)
11 &12 <sup>th</sup>	Madurai Kamaraj	New Biological	Comprehensive analysis of
August,	University,	Researchers:	organic manure for the
2016	Madurai	Opportunities and	growth and yield of
		Challenges for	tomato plants (Poster)
		Sustainable	
		Development	
L	1		

29-31 <sup>st</sup>	Bharathidasan	International Conference	Biodegradation of	
August,	University,	on Microalgal	lignocellulosic waste by	
2016	Tiruchirappalli.	Cyanobacterial	cyanobacterium Oscillatoria	
		Biotechnology	annae and its impact on the	
			growth and yield on Solanum	
			lycopersicum L.	
			(Poster)	
19-21 <sup>st</sup>	National Institute	National conference on	Treatment of coir pith using	
October,	of Ocean	Recent trends in	cyanobacteria and	
2016	Technology,	Biotechnology	development of organic	
	Chennai		manure for plant growth	
			(Oral)	
11 <sup>th</sup>	Holy Cross	International Conference	Biodegradation of coir pith	
September,	College, Trichy	on "New Vistas in Life	using cyanobacteria and	
2018		Sciences	Development of organic	
			manure for plant growth	
			(Poster)	
24 <sup>th</sup> & 25 <sup>th</sup>	Alagappa	International Conference	Biodegradation of tannery	
January,	University,	on Recent Trends in	effluent and its impact on	
2019	Karaikudi	Microbiology	seed germination study	
			(Poster)	
7 <sup>th</sup> & 8 <sup>th</sup>	Dr. Umayal	International	Isolation and characterization	
August,	Ramanathan	Conference on	of vegetable oil degrading bacteria from oil mill	
2019	college for	Emerging Paradigms in disease management and	bacteria from oil mill contaminated soil ( <b>Oral</b> )	
	women, Karaikudi	energy technology	(02.44)	

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

Year &	Organizer	Title	National /	Topic
Date			International	
12 <sup>th</sup>	Shakthi	Role of laboratory	State level	Role of laboratory
February	Paramedical	technician in		technician in
2005	Institute,	medical fraternity.		medical fraternity.
	Mayiladuthurai			
19 <sup>th</sup> March	Advanced	Medical laboratory	State level	Medical laboratory
2006	Medical	science in public		science in public
	Diagnostic	health.		health.
	Training Centre,			
	Trichy			

November   Punjab   Nicrobial   Biotechnology for sustainable development.
2011 Chandigarh sustainable development.  1 & 2 <sup>nd</sup> Gandhigram Microbial Technology for 2013. Gandhigram Sustainable Development  15-17 <sup>th</sup> Vishva Bharathi, Frontiers in November 2013. West Bengal Biotechnology Mest Bengal Panaki Ammal 2014 college, Sivakasi Problems  12-14 <sup>th</sup> TNAU, Empowering Movember 2014. Empowering mankind with microbial technologies  23 <sup>rd</sup> Bharathidasan January University, 2015 Tiruchirappalli. Septamble development.  National Microbial Technology of Technology of Sustainable Development Development  National Frontiers in Algology and Algal Biotechnology  Statistical solutions State level Statistical solutions to Biological problems  Statistical solutions of State level Statistical solutions of Statistical solutions of State level Statistical solutions of Statisti
development.   development.
1 & 2nd February 2013.Gandhigram Rural Institute, GandhigramMicrobial Technology for Sustainable DevelopmentNationalMicrobial Technology for Sustainable Development15-17th November 2013.Vishva Bharathi, Santiniketan, West BengalFrontiers in Algology Algal BiotechnologyNationalFrontiers in Algology and Algal Biotechnology23rd September 2014Ayya Nadar Janaki Ammal college, SivakasiStatistical solutions to Biological problemsState levelStatistical solutions to Biological problems12-14th November 2014.TNAU, CoimbatoreEmpowering mankind with microbial technologiesNationalEmpowering mankind with microbial technologies23rd January 2015Bharathidasan University, Tiruchirappalli.High Performance Liquid Phase Separation TechniqueNationalHigh Performance Liquid Phase Separation Technique
February 2013. Gandhigram Sustainable Development Development  15-17th Vishva Bharathi, November 2013. West Bengal Algal Biotechnology Biotechnology Biotechnology  23rd Ayya Nadar September Janaki Ammal college, Sivakasi problems  12-14th TNAU, Empowering National Empowering mankind with microbial technologies  23rd Bharathidasan January 2014. Bharathidasan January 2015 Tiruchirappalli. Separation Technique  Rural Institute, Sustainable Development  Technology for Sustainable Development  Technology for Sustainable Development  Technology Sustainable Development  National Frontiers in Algology and Algal Biotechnology  Statistical solutions to Biological problems  Statistical solutions to Biological problems  To Biological problems  National High Performance Liquid Phase Separation Technique
2013. Gandhigram Sustainable Development  15-17th Vishva Bharathi, November Santiniketan, Algology and Algal Biotechnology  23rd Ayya Nadar Statistical solutions September Janaki Ammal college, Sivakasi problems  12-14th TNAU, Empowering mankind with microbial technologies  23rd Bharathidasan January University, Tiruchirappalli. Separation Technique  Sustainable Development  National Frontiers in Algology and Algal Biotechnology  Statistical solutions to Biological problems  1 Empowering mankind with microbial technologies  Separation Technique
Development  Prontiers in  Algology and  Algal  Biotechnology  Statistical solutions  to Biological  problems  12-14 <sup>th</sup> TNAU,  Empowering  mankind with  microbial  technologies  Development  Prontiers in  Algology and  Algal  Biotechnology  Statistical solutions  to Biological  problems  12-14 <sup>th</sup> National  Empowering  mankind with  microbial  technologies  Development  Algology  and  Algal  Biotechnology  Statistical solutions  to Biological  problems  12-14 <sup>th</sup> National  Empowering  mankind with  microbial  technologies  Development  Algology  and  Algology  and  Algal  Biotechnology  Statistical solutions  to Biological  problems  12-14 <sup>th</sup> National  High Performance  Liquid Phase  Separation  Technique
15-17th November Santiniketan, Algology and 2013. West Bengal Algal Biotechnology Biotechnology  23rd Ayya Nadar Statistical solutions September Janaki Ammal college, Sivakasi problems  12-14th TNAU, Empowering mankind with microbial technologies  2014. Empowering mankind with microbial technologies  23rd Bharathidasan January 2015 Tiruchirappalli. Separation Technique  National Frontiers in Algology and Algal Biotechnology  Statistical solutions to Biological problems  Statistical solutions to Biological problems  National Empowering mankind with microbial technologies  National High Performance Liquid Phase Separation Technique
November 2013. West Bengal Algal Biotechnology Biotechnology  23 <sup>rd</sup> Ayya Nadar Statistical solutions to Biological problems  12-14 <sup>th</sup> TNAU, Empowering Mankind with microbial technologies  23 <sup>rd</sup> Bharathidasan January 2015 Tiruchirappalli. Separation Technique  Algology and Algal Biotechnology  Statistical solutions State level Statistical solutions to Biological problems  National Empowering mankind with microbial technologies  National High Performance Liquid Phase Separation Technique
2013. West Bengal Algal Biotechnology  23 <sup>rd</sup> Ayya Nadar Statistical solutions to Biological problems  12014 College, Sivakasi problems  12-14 <sup>th</sup> TNAU, Empowering mankind with microbial technologies  2014. Empowering mankind with microbial technologies  23 <sup>rd</sup> Bharathidasan January Juniversity, Tiruchirappalli. Separation Technique  Algal Biotechnology  State level Statistical solutions to Biological problems  National Empowering mankind with microbial technologies  National High Performance Liquid Phase Separation Technique
Biotechnology  23 <sup>rd</sup> Ayya Nadar Statistical solutions September Janaki Ammal to Biological problems  12-14 <sup>th</sup> TNAU, Empowering mankind with microbial technologies  2014. Empowering mankind with microbial technologies  23 <sup>rd</sup> Bharathidasan January University, 2015  Tiruchirappalli. Separation Technique  Biotechnology  Biotechnology  Biotechnology  Biotechnology  Biotechnology  Statistical solutions to Biological problems  Problems  National Empowering mankind with microbial technologies  National High Performance Liquid Phase Separation Technique
Ayya Nadar September Janaki Ammal college, Sivakasi  12-14 <sup>th</sup> November 2014.  Bharathidasan January January January January January January Statistical solutions to Biological problems  National Empowering mankind with microbial technologies  National High Performance Liquid Phase Separation Technique  Statistical solutions to Biological problems  National High Performance Liquid Phase Separation Technique
September 2014 college, Sivakasi problems to Biological problems  12-14 <sup>th</sup> TNAU, Empowering mankind with microbial technologies  2014. Bharathidasan January University, Tiruchirappalli. Separation Technique  Statistical solutions battle is statistical solutions to Biological problems  to Biological problems  Empowering mankind with microbial technologies  National High Performance Liquid Phase Separation Technique
2014 college, Sivakasi problems problems  12-14 <sup>th</sup> TNAU, Empowering National Empowering mankind with microbial technologies  2014. Bharathidasan University, Tiruchirappalli. Separation Technique problems  problems  Problems  National Empowering mankind with microbial technologies  National High Performance Liquid Phase Separation Technique
12-14 <sup>th</sup> TNAU, Empowering mankind with microbial technologies  23 <sup>rd</sup> Bharathidasan January University, Tiruchirappalli. Separation Technique  Response Problem Probl
November 2014.  Coimbatore mankind with microbial technologies technologies  23rd Bharathidasan January University, Tiruchirappalli.  Separation Technique mankind with microbial technologies  National High Performance Liquid Phase Separation Technique
2014. microbial technologies  23 <sup>rd</sup> Bharathidasan University, Tiruchirappalli. microbial technologies  High Performance Liquid Phase Separation Technique  Mational High Performance Liquid Phase Separation Technique
technologies technologies  23 <sup>rd</sup> Bharathidasan High Performance University, Liquid Phase Separation Technique  Tiruchirappalli. Separation Technique  Technique  Technologies  High Performance National High Performance Liquid Phase Separation Technique
23rd Bharathidasan University, Liquid Phase Separation Technique  Bharathidasan University, Liquid Phase Separation Technique  High Performance Liquid Phase Separation Technique
January University, Liquid Phase Separation Technique Separation Technique
2015 Tiruchirappalli. Separation Technique Separation Technique
Technique Technique
01 & 03 <sup>rd</sup> Anand Recent Advances in National Recent Advances
May, 2015   Engineering   Agricultural,   in Agricultural,
college, Agra Biomedical and Biomedical and
Environmental Environmental
Biotechnology Biotechnology
07-10 <sup>th</sup> Jawaharlal Nehru Emerging International Emerging
December, University, New Discoveries in Discoveries in
, , , , , , , , , , , , , , , , , , , ,
2015 Delhi Microbiology Microbiology
11 &12 <sup>th</sup> Madurai Kamaraj New Biological National New Biological
August, University, Researchers: Researchers:
2016 Madurai Opportunities and Opportunities and
Challenges for Challenges for
Sustainable Sustainable
Development   Development
29-31 <sup>st</sup> Bharathidasan Microalgal International Microalgal
August, University, Cyanobacterial Cyanobacterial
2016 Tiruchirappalli. Biotechnology Biotechnology
14- 16 <sup>th</sup> Bharathidasan Environment and International Environment and
September, University, Health in Changing Health in Changing
2016 Tiruchirappalli. Climate Climate

19-21 <sup>st</sup>	National Institute	Recent trends in	National	Recent trends in
October,	of Ocean	Biotechnology		Biotechnology
2016	Technology,			
	Chennai			
08 <sup>th</sup>	St. Joseph	Bionanomaterials	International	Bionanomaterials
February,	College, Trichy	and		and
2018		Bionanotechnology		Bionanotechnology
11 <sup>th</sup>	Holy Cross	New vistas in life	International	New vistas in life
September,	College, Trichy	sciences		sciences
2018				
15 <sup>th</sup>	St. Joseph	Histopathological	National	Histopathological
December,	College, Trichy	techniques		techniques
2018				
24 <sup>th</sup> & 25 <sup>th</sup>	Alagappa	Recent Trends in	International	Recent Trends in
January,	University,	Microbiology		Microbiology
2019	Karaikudi			
$05^{th}-10^{th}$	Cauvery college	Capacity building	National	Capacity building
June, 2019	for Women,	workshop on E-		workshop on E-
, ====,	,	content		content
	Trichy	development		development
7 <sup>th</sup> & 8 <sup>th</sup>	Dr. Umayal	Emerging	International	Emerging
August,	Ramanathan	Paradigms in		Paradigms in
	college for	disease		disease
2019	women,	management and		management and
	Karaikudi	energy technology		energy technology
1 th c 1 th	701	3.51	NT	
11 <sup>th</sup> & 12 <sup>th</sup>	Bharathidasan	Microbes in women	National	Microbes in
July, 2019	University,	health		women health
	Trichy			

## 15. Details of Orientation / Refresher Course Attended:

Date	Title of the Course	Organizer
08.12.2014-	Bioremediation of Industrial wastes for a	NIT, Durgapur, West Bengal
12.12.2014	greener world	
04.01.2018-	UGC - Sponsored Science	St. Joseph College, Trichy
18.01.2018	Academics' Refresher Course on	
	Bioprospection of Bioresources: Land to	
	lab approach	
29.05.2019	Swayam on line refresher course: Latest	Ministry of human resource
	trends in pedagogy and assessment	development, Govt. of India
08.06.2020 -	Gender and Development conducted by	Department of Women
15.06.2020	BECH –RUSA 2.0	Studies, Bharathidasan
		University, Tiruchirapalli

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

- ➤ Handbook on Fundamentals of Biochemistry: A Practical guide. 2021. ISBN: 978-81-950060-7-6 Copyright©2021 Ryan Publishers, Trichy, Tamil Nadu, India.
- ➤ Book Chapter entitled "Assessment of phytoconstituents and antimicrobial activity of *Jasminum sambac* L." Advances in science and technology Volume 2. October, 2021. ISBN: 978-81-952337-4-8, Copyright©2021 Ryan Publishers, Trichy, Tamil Nadu, India.

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

#### ( NSS, NCC, Sports, Games, Voluntary Association and Cultural Activities):

Nature of Activity	Period of Incharge
Participated in YOUTH MELA programme, Bharathidasan	2014
University, Trichy	
Participation in Eye and General Health Awareness camp (under	14 <sup>th</sup> March 2017
UGC, Govt. Of India XII plan Extension activity, BDU, Trichy)	1
Blood Donar club in charge, Cauvery college for Women, Trichy	2018-19
Staff Cultural in charge, Cauvery college for Women, Trichy	2018-19
Mushroom cultivation certificate course in charge, Cauvery college	2018-19
for Women, Trichy	1
Sports in charge, Cauvery college for Women, Trichy	2019-2020
Jenner's Club in charge, , Cauvery college for Women, Trichy	2021-2022
Placement in charge, Cauvery college for Women, Trichy	2021-2022

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

Acting as Question paper setter at S. Vellaichamy Nadar College, Madurai.

## 19. Details of Membership in Professional Bodies:

- ❖ Member of All India Medical Laboratory Technology Association from 30<sup>th</sup> September 2005 (Membership no.13075).
- ❖ Life Member of the Microbiologists Society, India from 15<sup>th</sup> February 2024 (Membership No. MS/LM/1056)

#### 20. Any other information if any:

- ❖ Junior Research Fellow (JRF) in UGC major project
- ❖ Post Graduate Diploma in Computer Science and Applications (**PGDCA**)
- ❖ Diploma in Medical Laboratory Technology (**DMLT**)
- ❖ Attended International webinar- 10; National webinar-13; State level webinar-05; FDP- 04;