

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, NAVALUR KUTTAPATTU (PO), TIRUCHIRAPPALLI -620 009	CAUVERY COLLEGE FOR WOMEN, ANNAMALAI NAGAR, 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

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

WEB OF SCIENCE ID: [AAJ-3441-2021](#)

PUBLONS: <https://publons.com/researcher/4333125/jenny-sivakumar/>

VIDWAN ID: <https://vidwan.inflibnet.ac.in/profile/205635/MjA1NjM1>

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:

	University from where guide ship obtained	Thesis		
		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 & Volume	Year of Publication	ISBN Number	Name of the Paper	Impact Factor
<i>International Journal of Biotechnology and Allied Fields</i> , 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
<i>International Journal of Agriculture Innovations and Research</i> , 3 (2)	2014	2319-1473	Comprehensive analysis of different particle sizes of organic manure.	1.126
<i>International Journal of Innovative Research in Science & Engineering</i> , 2 (8)	2014	2347-3207	Influence of Organic Manure on Morphological and Yield Attributes of Tomato (<i>Solanum lycopersicum</i> L.) Plants.	0.998

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

13. Details of Papers Presented:

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

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

14. Details of Seminars / Conferences / Workshops Attended:

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

3-6 th November 2011	Punjab University, Chandigarh	Microbial Biotechnology for sustainable development.	International	Microbial Biotechnology for sustainable development.
1 & 2 nd February 2013.	Gandhigram Rural Institute, Gandhigram	Microbial Technology for Sustainable Development	National	Microbial Technology for Sustainable Development
15-17 th November 2013.	Vishva Bharathi, Santiniketan, West Bengal	Frontiers in Algology and Algal Biotechnology	National	Frontiers in Algology and Algal Biotechnology
23 rd September 2014	Ayya Nadar Janaki Ammal college, Sivakasi	Statistical solutions to Biological problems	State level	Statistical solutions to Biological problems
12-14 th November 2014.	TNAU, Coimbatore	Empowering mankind with microbial technologies	National	Empowering mankind with microbial technologies
23 rd January 2015	Bharathidasan University, Tiruchirappalli.	High Performance Liquid Phase Separation Technique	National	High Performance Liquid Phase Separation Technique
01 & 03 rd May, 2015	Anand Engineering college, Agra	Recent Advances in Agricultural, Biomedical and Environmental Biotechnology	National	Recent Advances in Agricultural, Biomedical and Environmental Biotechnology
07-10 th December, 2015	Jawaharlal Nehru University, New Delhi	Emerging Discoveries in Microbiology	International	Emerging Discoveries in Microbiology
11 & 12 th August, 2016	Madurai Kamaraj University, Madurai	New Biological Researchers: Opportunities and Challenges for Sustainable Development	National	New Biological Researchers: Opportunities and Challenges for Sustainable Development
29-31 st August, 2016	Bharathidasan University, Tiruchirappalli.	Microalgal Cyanobacterial Biotechnology	International	Microalgal Cyanobacterial Biotechnology
14- 16 th September, 2016	Bharathidasan University, Tiruchirappalli.	Environment and Health in Changing Climate	International	Environment and Health in Changing Climate

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

15. Details of Orientation / Refresher Course Attended:

Date	Title of the Course	Organizer
08.12.2014- 12.12.2014	Bioremediation of Industrial wastes for a greener world	NIT, Durgapur, West Bengal
04.01.2018- 18.01.2018	UGC - Sponsored Science Academics' Refresher Course on Bioprospection of Bioresources: Land to lab approach	St. Joseph College, Trichy
29.05.2019	Swayam on line refresher course: Latest trends in pedagogy and assessment	Ministry of human resource development, Govt. of India
08.06.2020 - 15.06.2020	Gender and Development conducted by BECH –RUSA 2.0	Department of Women 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 “Assesment 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 University, Trichy	2014
Participation in Eye and General Health Awareness camp (under UGC, Govt. Of India XII plan Extension activity, BDU, Trichy)	14 th March 2017
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 for Women, Trichy	2018-19
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 30th September 2005 (Membership no.13075).
- ❖ Life Member of the Microbiologists Society, India from 15th 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;