ROFILE



Name : **Dr.** V. Santhi **M.Sc., M. Phil., B. Ed., Ph.D.**

Designation : Associate Professor

Department : PG & Research Centre of Zoology,

Date of Birth : 04. 06. 1962

Date of Appointment : 11. 07. 1991

ACADEMIC DETAILS

S.N	Degree	University/Institution	Year of Completion
1.	Ph.D	MS University	2012
2.	M.Phil	Annamalai University	1987
3.	B.Ed	Annamalai University	1986
4.	M.Sc	Annamalai University 5 th rank	1985
5.	B.Sc	MVM Govt. Arts College M. K. University	1983

Year of Experience : 26years

Area of specialization/Interest: Microbiology

Academic affiliation : Lecturer 1991-1998

: SS Lecturer 1998-2001

: SG Lecturer 2001-2006

: Associate Professor 2006 till date

Professional Affiliation : JACSAFA , Student Service League 2011-2014

Fine Arts 2014-2015, PTA, OSA (2015-2018)

Press, Notice Board & Photo 2014 to till date

Research Publications Details:

- Shanthi. V., S. Muthumeena, A. Jeyasheeli and V.J. Florence Borgia, 2006.Physico Chemical status of Varaga River. Journal of Aquatic Biology vol: 21(2) 2006:123 127
- Jeyaseeli, A. Nivetha, M. R. Delphine Rose and **V. Shanthi**, 2007 Drinking water quality analysis of some bore well water. Environment & Ecology 25S (1): 212 -215.
- V.J. Florence Borgia **Shanthi.** V., S. V. M. Narayanan, A. Jeyasheeli and V. Shanthi, 2007. Influence of medicinal plant products on the bioenergetic parameters of *Oreochromis mossambicus* as a function of feeding frequency. Journal of Aquatic Biology vol: 22(2): 167-172
- **Shanthi. V.**, V. Jemima Florence Borgia and Priya, 2009. Effect of density and feeding frequency on the bioenergetics of *Cyprinus carpio*. Journal of Aquatic Biology vol.24 (1): 211 214.
- **Shanthi. V.**, V. Jemima Florence Borgia, N. Saranya and G. Logalakshmi, 2009. Effect of mercury on biochemical parameters of the freshwater teleost *Labeo rohita* and *Catla catla*. Journal of Aquatic Biology vol.24(1): 117 120.
- **Shanthi.** V., V. Jemima Florence Borgia, 2010. Efficiency of different densities with two kinds of animal diets on the growth of *Cyprinus carpio* Journal of Aquatic Biology, J.Aqua boil.,25(1),2010:177-180
- Anita Kannagi, J.Rani, and **V. Santhi**, 2011. Distribution of Lepidopterans from a deciduous forest and a mangrove forest from South India. Pestology Vol. XXXV No. 5, 42-46.
- Rani, J., Anita Kannagi, **V. Santhi**, 2012. Correlation of total heterotrophic bacterial load in relation with hydrographical features of Pazhayakayal estuary, Tuticorin, India. Journal of Environmental Biology, 33, 769-773
- Santhi, V., V.Sivakumar, R.D.Thilaga, and A.Thangathirupathi 2012. Analgesics, antipyretic and anti-inflammatory activities of column fraction of Babylonia zeylonica(Bruguiere, 1789) in Albino rats. International journal of pharmacy and biological sciences 2(3): 151-159.
- **Shanthi.V.,** V.Jemima Florence Borgia, N.Saranya and G.Logalakshmi. Effects of mercury on biochemical parameters of the freshwater teleost *Labeo rohita* and *Catla catla. J.Aqua.Biol.* 24:117-120, 2009.
- **Shanthi.V.,** V.Jemima Florence Borgia and G. Priya. Effect of density and feeding frequency on the bioenergetics of *Cyprinus carpio. J.Aqua.Biol.* 24:211-214, 2009.

- Merlin Dayana, L., Albin T.Fleming, V.Shanthi and T.Nirmala. Effects of plant food utilization and energy budget of fresh water fingerlings *Catla catla* and *Cirrhinus mrigala*. Journal of Aquatic Biology. 24 (2): 234-238, 2009.
- **Shanthi.V.,** V.Sivakumar, R.D. Thilaga and V. Jemima Florence Borgia. Bioactive potential of *Tonna galea* (Linne.1758) from Gulf of Mannar. Global Journal of Pharmacology. 5: 130-135, 2011.
- **Shanthi,V.,** V.Jemima Florence Borgia, S. Bhavaniand M. Sathya. Inhibitory effects of *Lactobacillus* species against human pathogens. Research Journal of Pharmacognosy and Phytochemistry. 3(4):103-108, 2011.
- **Shanthi,V.,** V.Sivakumar, A.Thangathirupathi and R.D.Thilaga. Analgesic, antipyretic and anti-inflammatory activities of chloroform extract of prosobranch mollusc *Purpura persica*. Int.J. Pharmacol. Bio.Sci., 5(2):9-15, 2011.
- **Shanthi, V.,** V.Sivakumar, **Anita Kannagi** and D.Rani. Analgesics, anti-pyretic, and anti-inflammatory activities of Hexane: Chloroform extract of prosobranch mollusc *Chicoreus virgineus* in Albino rats. International Journal of Applied Biotechnology and Biochemistry. 1(1):289-299, 2011.
- Shanthi, V., V.Sivakumar, R.D.Thilaga and V.Jemima Florence Borgia, 2011. Bioactive Potential of *Tonna galea* (Linne.1758) from Gulf of Mannar. Global Journal of Pharmacology. 5(3):130-135.
- **Shanthi,V.,** V.Sivakumar, R.D Thilaga and S. Kathirasan. Physico chemical characteristic of coastal environment of Thootukudi. Int.J. Ecology and Fisheries, 4(2): 23-28, 2011.
- Anita Kannagi, J.Rani, and V. Shanthi. Distribution of Lepidopterans from a
 deciduous forest and a mangrove forest from South India. Pestology Vol. XXXV No.
 5, 42-46, 2011.
- **Shanthi,V.,** V.Sivakumar, R.D.Thilaga, and A.Thangathirupathi. Analgesics, antipyretic and anti-inflammatory activities of column fraction of *Babylonia zeylanica*(Bruguiere, 1789) in Albino rats. International journal of pharmacy and biological sciences 2(3): 151-159, 2012. **0.555**

- Rani, J., Anita Kannagi, V. Shanthi. Correlation of total heterotrophic bacterial load in relation with hydrographical features of Pazhayakayal estuary, Tuticorin, India. Journal of Environmental Biology, 33, 769-773, 2012.
- Anita Kannagi, V. Shanthi and Jemima Florence Borgia. Hymenopteran diversity in a deciduous forest from South India, International journal of biodiversity and conservation, vol. 5(10), pp. 666-670, 2013. 2.79
- V. Shanthi, Anita Kannagi, V. Sivakumar and M. Mukilarasi. Anti microbial substances of potential biomedical importance from *Babylonia zeylanica*,. Journal of chemical and pharmaceutical research, 5(9):108-115, 2013 **0.53**
- Dr. Anita Kannagi, **Dr. V. Santhi,** Mrs. Jemima Florence Borgia Hymenopteran diversity in a deciduous forest from south India. International Journal of Biodiversity and conservation, vol. 5(10), pp. 666-670. (2013)ISSN No. 2141-243X©2013, **2.264** (I.F)
- **Dr. V. Santhi,** Dr. Anita Kannagi Antimicrobial substances of potential biomedical importance from *Babylonia zeylanica* Journal of chemical and pharmaceutical Research, 5(9):108-115. (2013).ISSN No. 0975-7384 **1.704**(I.F)
- Dr. V. Santhi, Mrs. Jemima Florence Borgia Invitro Antibacterial activity, phytochemical screening and FT-IR analysis of *Dodonaea viscosa* and *Adhatoda* vasica Asian Journal of Biochemical and Pharmaceutical Research (24) 289-298, 2014; 2231-2560 2.56
- **Dr. V. Santhi,** Dr. Anita Kannagi Antibacterial activity, preliminary screening and ¹HNMR analysis of *Senna auriculata* and *Abuliton indicum* International Journal of Microbiology and applied Sciences 3 (8) 1069-1076, 2014;2319-7706 **1.594**
- Dr. V. Santhi Menstrual disorder among adolescent school girls in Theni District.
 JAC Journal of science, humanities and management, Vol. 1, No. 2, June 2014, ISSN 2347-9868
- **Dr. V. Santhi,** Dr. Anita Kannagi Bioactive Potential of *Fusinus nicobaricus* from Gulf of Mannar in International Journal of pharmaceutical Research and Bioscience 4 (5) 262-270, 2015; ISSN 2277-8713 0.569
- Dr. V. Santhi and Dr. Anita Kannagi Bioactive Potential of *Purpura persica* in the Journal of Chemical and Pharmaceutical Research, 2016, 8(3):700-707; ISSN: 0975-7384
 0.543

- **Dr. V. Santhi** Published paper on Isolating Bioactive Compound from Marine Prosobranch *Purpura persica* from Tuticorin Coast in International Journal of Environmental Protection and Policy 2016; 4(3): 64-76 ISSN: 2330-7528 (Print); ISSN: 2330-7536 (Online)
- Dr. Anita Kannagi and **Dr. V. Santhi** Diversity of Dragonflies (Insecta: Odonata) in a Deciduous Forest of Thoothukudi District, Tamil Nadu, South India International Journal of Environmental Protection and Policy2016; 4(3): 58-63 ISSN: 2330-7528 ISSN: 2330-7536 (Online)
- **Dr. V. Santhi** and Dr. Anita Kannagi Antimicrobial compounds from *Trochus radiates* International Journal of Multidisciplinary Research Review 2016 1(21)113-119 ISSN -2395-1877. Impact Factor: 3.567 UGC No 44945
- M.Reenal and **V.Shanthi** Green synthesis and antimicrobial activity of silver nanoparticles using plant extracts, International journal of innovative research in multidisciplinary field,2017; 3(4): 86-90 ISSN: 2455-0620. *Impact Factor: 1.634 UGC No 64291*
- *Priya. R. Merlin Dayana.L and* **V. Santhi** Insect diversity of sugarcane field in Theni District, Tamil Nadu, South India JAC Journal of Science, Humanities and Management 2017 5(1) ISSN: 2347 9868: 190-195
- Anitha Mary A and **V. Santhi** Isolation and characterization of antimicrobial compounds from leaf extract of *Abuliton indicum*, World Journal of Pharmaceutical Research, 2019;8 (2): 1136 1147. ISSN No 2277 7105 *Impact Factor: 0.453*

PAPERS PRESENTED

- Presented a paper on Quality Education in the National level Seminar on Empowering Youth Vision 2025 12th March 2004 at Arulmigu Palaniandavar Arts College for Women, Palani.
- Presented a paper on Empowerment in the service sector in the National Conference on Service Sector an Engine of growth 0n 24th February 2005 at Arulmigu Palaniandavar Arts College for Women, Palani.
- Presented a paper on New Horizons in Telecommunications in the National Conference on Service Sector an Engine of growth 0n 24th February 2005 at Arulmigu Palaniandavar Arts College for Women, Palani.
- Presented a paper on Human resource development and specialization in the ICHR sponsored National Conference on Trends in higher education & ideology, identity and collective consciousness (1835-1986) held at St. Joseph's College (A) Tiruchirapalli from 17th to 19th March 2005.

- Presented a paper on Physical and Intellectual growth of the youth through education in the ICHR sponsored National Conference on Trends in higher education & ideology, identity & collective consciousness (1835-1986) held at St. Joseph's College (A) Tiruchirapalli from 17th to 19th March 2005.
- Presented a paper on "Effect of Siddha drugs enriched formulated feed and feeding frequency on growth in common carp *Catla catla*" in the National Seminar on Environmental Biotechnology for human welfare at J. A. College for Women (Autonomous), Periyakulam on 7th & 8th December 2006.
- Presented a paper on "Impact of mass media on Health" in the National Seminar on "Recent trends in understanding and applying the theory and practice of values" at J. A. College for Women (Autonomous), Periyakulam on 11th & 12th January 2007.
- Presented a paper on "Values in theory and practice"in the National Seminar onRecent trends in understanding and applying the theory and practice of values at J.A.College for Women (Autonomous), Periyakulam on 11th & 12th January 2007.
- Presented a paper on "Women in legal perspective case study" in the National Seminar on Recent trends in understanding and applying the theory and practice of values at J.A.College for Women (Autonomous), Periyakulam on 11th & 12th January 2007.
- Presented a paper on Co- ordination and Involvement with Stakeholders for quality improvement in Autonomous Colleges in the National Seminar on participatory and responsive organizational dynamics for Quality Improvement at J.A.College for Women (Autonomous), Periyakulam on 19.12.2007 and 20.12.2007.
- Presented a paper on "Effect of goat liver on the growth of *Cyprinus carpio* as a function of density" in a National Seminar on "Conserve the Mother Earth-Need of the Hour" at J. A. College for Women (Autonomous), Periyakulam on 09.03.2009 and 10.03.2009.
- Presented paper on Biopreservative Potential of different *Lactobacillus* Strains against Histamine producer Isolated from sea foods in a National seminar on "Ensuring the Sustainability of Coastal Environment at St. Mary's College (Autonomous), Thoothukudi on 15th & 16th December 2010.
- Presented paper on Impact of Tannery effluent on the biochemical composition of fresh water fish *Oreochromis mossambicus* in a National Conference on Environmental protection and Management at Loyola College, Chennai on 29th & 30th August 2011.
- Presented paper on Studies on the quality of borewell water in Periyakulam and its surrounding areas a statistical analysis in a National Seminar on New Frontiers in Biology at J. A. College for Women (Autonomous), Periyakulam on 18th & 19th 2012.

- Presented paper on Impact of Tannery effluent on the quality of ground water in Dindigul District in a National Seminar on New Frontiers in Biology at J. A. College for Women (Autonomous), Periyakulam on 18th & 19th 2012.
- **Dr. Santhi. V** & Dr. Anita Kannagi attended UGC Sponsored one day National Level Seminar on Recent Trends in Nano- Biotechnology, Bioinformatics, Bio-Diversity and its Conservation and Environmental Impact on Global warming and presented paper on "Antibacterial activity and preliminary Phytochemical screening of *Acalypha indica* "APA College of Arts and Science, Palani on 13th October 2014. Page No 134-142 ISBN No 7360667090-8
- Presented paper on "Antibacterial Activity and Preliminary Phytochemical Screening of *Leucas aspera*" *and* "Hymenopteran Diversity in a Mangrove Forest from South India " *in a* National Seminar on "Interdisciplinary application of biology" *at* J. A. College for women (Autonomous) 28th -29th January 2015 ISBN 978-81-923038-6-4
- Presented paper on "Women and Health" in UGC sponsored National Seminar on Sustainable Development and the role of women in Nation building on 11th & 12th February 2015.
- Presented paper on Green synthesis and antibacterial, antifungal activity of silver nanoparticles using various plant extracts in UGC sponsored National Seminar on at St.Mary's College (Autonomous), Thoothukudi on 11th & 12th February 2016.
- Presented paper in 2016 International Conference on Energy, Environment and Natural Resources (ICEENR2016) held at Hangzhou, China during May 27-28, 2016.
- Presented paper on Isolation and identification of monocrotophos degrading microbes from agricultural farm soil of Theni Dist, Tamil Nadu, India and "Isolation and characterization of antifungal compounds from leaves of *Abuliton indicum* and *Morita citrifolia*" National Seminar on "Emerging Trends in Life Sciences" at J.A.College for women (Autonomous) on 09th January 2018.

Seminars / Conferences attended

- International Awareness Workshop and Training Programme on Bio Ethics Education at J. A. College Periyakulam on 20.01.2005.
- Workshop on Bio Diversity Measures at J. A. College, Periyakulam on 24.02.05 and 25.02.05.
- Seminar on Environmental Bio technology at Horticultural College and Research Extension centre, Periyakulam on 09.03.05.

- Attended UGC sponsored National seminar on organic Farming trends and challenges at Arul Anandar college Karumathur on 27.09.2006 and 28.09.2006.
- Attended National Seminar on Environmental Bio technology for human welfare at J.A college, Periyakulam on 07.12.2006 and 08. 12.2006.
- Attended UGC sponsored National Conference on Recent trends in understanding and applying the theory and practice the values at J. A. College, Periyakulam on 11.01.2007 and 12.01.2007.
- Attended State level seminar on "Academic uses of Internet at J. A. College, Periyakulam on 26.03.2007.
- Attended National Seminar on "Participative and Responsive organizational Dynamics for quality improvement in autonomous colleges" at J. A. College, Periyakulam on 19.12.2007 and 20.12.2007.
- Attended National Conference on "Quality and Relevance in Higher Education-New Challenges" at J. A. College for Women (Autonomous), Periyakulam 2nd & 3rd March, 2009.
- Attended a Seminar cum Workshop on Vermitechnology at MVM Government Arts College for women, Dindigul on 9th January 2009.
- Attended a One day seminar on "Modern Biological Sciences" at J. A. College for Women (Autonomous), Periyakulam on 27th January,2009.
- Attended a University level workshop on "Application of statistical packages in biology" at J.A. College for Women (Autonomous), Periyakulam on 11th & 15th February, 2009.
- Attended a Seminar on "Conserve the Mother Earth-Need of the Hour" at J. A. College for Women (Autonomous), Periyakulam on 9th & 10th March,2009.
- Attended an Intercollegiate students seminar" at Thiagarajar College (Autonomous) Madurai on 26th February 2010.
- Attended a National seminar on "New Frontiers in Biology" at J. A. College for Women (Autonomous), Periyakulam on 18th & 19th December, 2012.
- Attended a State level seminar on "Statistical Packages for the Social Sciences" at J. A. College for Women (Autonomous), Periyakulam on 11th & 15th February, 2013.
- Dr. V. Santhi Modern trends in Applied Microbiology J. A. College for Women, Periyakulam. 19.08.2013.
- Dr. V. Santhi Reforms in curriculum Development and examination system J. A. College for Women, Periyakulam on 13.11.2013.

- Attended a State level seminar on "Statistical Packages for the Social Sciences" at J. A. College for Women, Periyakulam from 11th & 15th February, 2013.
- Attended a one day workshop on Polymerase chain reaction techniques at J. A. College for Women, Periyakulam on 2nd September, 2015.
- Attended 2016 International Conference on Energy, Environment and Natural Resources (ICEENR2016) held at Hangzhou, China during May 27-28, 2016.
- Attended a national conference on Quality assurance and quality sustenance in higher educational institutions: challenges and solutions at J. A. College for Women, Periyakulam from 29th and 30thSeptember, 2016.
- Attended a national workshop on microbial tool bioremediation (NWMB-2017) on 9th and 10th February,2017
- Attended a International workshop on "Statistics Using Excel and SPSS" at J. A. College for Women, Periyakulam from 05th & 06th September, 2017.
- National Seminar on "Emerging Trends in Life Sciences" 9th January 2018
 J.A College for women, Periyakulam
 - Workshop on Women in Science and Research on 19th & 20th February,2018 at Jayaraj Annapackiam for Women (Autonomous) Periyakulam.
 - Participated in the District level Consultative meeting on UBA for participating Institutions on 16th October 2019 at CPA College, Bodinayakanur.
 - Attended two days National seminar on Emerging Trends in current Environmental Issues at Jayararaj Annapackiam college for women, periakulam on 11th and 12th December 2019.

Question Papers Setting

- April 2015 Semester Examination question **Microbiology** Department of Biomedical Science Bharathidasan University Tiruchirappalli
- November 2016 Semester Examination question Cell Biology And Animal Physiology Department of Zoology Holy Cross College (Autonomous), Nagercoil.
- April 2017 (27. 01. 2017) Semester Examination question **Developmental Biology** Department of Zoology Holy Cross College (Autonomous), Nagercoil.
- November 2017 Semester Examination question Cell Biology and Animal Physiology Department of Zoology Holy Cross College (Autonomous), Nagercoil.
- November 2018 Semester Examination question Drugs discovery and assay development Department of Biomedical Science Bharathidasan University Tiruchirappalli
- April 2018 Semester Examination question **Microbiology** Department of Biomedical Science Bharathidasan University Tiruchirappalli

- **UGC Sponsored National Seminar on** New Frontiers in Biology" on 18^{th} & 19^{th} December, 2012
- TNSTC Sponsored State Level Workshop on Statistical Packages for Social Sciences from 24th to 28th August, 2015

AS SUBJECT EXPERTS

- Dr. V. Shanthi Member of Board of Studies V.V.Vanniaperumal College for Women (Autonomous), Viruthunagar 02. 04. 2015
- Dr. V. Shanthi Member of Board of Studies St. Mary's College (Autonomous), Thoothukudi 06. 02. 2016
- Dr. V. Shanthi Member of Board of Studies V.V.Vanniaperumal College for Women (Autonomous), Viruthunagar 01. 04. 2016
- Conducted M.Phil Viva Voce at St. Marys College, Thoothukudi on 29. 07. 2016
- Dr. V. Shanthi Member of Board of Studies St. Mary's College (Autonomous), Thoothukudi 03. 02. 2017.
- Conducted M.Sc Practical examination on 23rd October 2019 at Hajee Karutha Rowther Howdia College, Uthamapalayam.

Course Materials Prepared

Year	Title	Beneficiaries
2004-2005	Food and Nutrition	II year General Elective Students
2008-2009	Food and Nutrition A Text book for NSS students	General Elective Students NSS students
2009-2010	Food and Nutrition	General Elective Students
2012-2013	Food and Nutrition Clinical Laboratory Technology	General Elective Students Certificate Course Students

Publication Details

Name of the Book	Publisher	Year
A Book of Chordate diversity (Co Author)	ACCA	2003

Lab Manual in Zoology(Co Author)	ACCA	2004

Resource persons

- In service Program for PG Zooology Teachers of Theni Dist XII Practical Syllabus Physiology and Aquaculture J.A.College Periyakulam 24/09/2005 and 25/09/2005
- Children development project for Anganvadi Supervisors PEM and Management of Under Nourished Children Growth Monitoring and Significance in Annanchi on 20/12/2006
- Tamil Nadu StateCouncil For Science And Technology, Chennai Inservice training Programme for Secondary Grade Science at J.A.College for Women (Autonomous) from 6-10th January, 2009.
- Government of India Ministry of women & Child Development Food & Nutrition Board, Madurai, Improving diet at low cost, Modifying family Foods conservation of Nutrients during food Preparation at Periyakulam on 13th November, 2010.
- Rural women towards Development path Natural Income Resources at J.A. College for Women (Autonomous), Periyakulam on 17th March 2010.
- Workshop on Rural Women Empowerment on Way to Entrepreneuership organized by JA College on 27. 03. 2009
- Integrated Child Development Services, Child development Project Office, Periyakulam on Improving diet at low cost, Modifying family Foods conservation of Nutrients during food Preparation on 13th November, 2010.
- Workshop for Rural Women on Entrepreneurial development on Food Preservation organized by JA College on 14. 12. 2011.
- Modifying family foods and conservation of nutrients Ministry of Integrated child development, Urban Office, Theni 22. 06 2013.
- Integrated Child Development Services, Child development Project Office, Periyakulam on Diet for children and Deficiency diseases on 14th December, 2013.
- Microbial World and You V. V. Vanniaperumal College for women, Virudhunagar. 25. 09. 2013.
- Food Preservation NSS & Foundation Course at J. A. College for women Sponsored by Tamilnadu State Council For Science and Technology

- Drug Abuse –NSS J. A. College for women 30. 07. 2014
- Healthy Life for Healthy life style- YRC J. A. College for women 06. 12. 2014
- Importance of Nutrients, Micronutrients, Nutritional deficiency diseases and Food processing –Job training Programme -Integrated Child Development Services, Child development Project Office on 29th April 2015 at Theni & Bodi.
- Blood grouping and importance of blood donation 15.07.2017
- Inservice Training Programme for Secondary Grade Science Teachers Theni Dist by Tamil Nadu State Council for Science and Technology, Chennai on 30. 08. 2017 at J. A. College for women.
- Inservice Training Programme for Science Teachers Theni Dist by Tamil Nadu State Council for Science and Technology, Chennai on 20. 02. 2019 at J. A. College for women.
- Science in Day today life on the Science fest at St. Anne's College of Education for women, periyakulam on 7th September 2019.
- A Crash course on cracking UGC-NET/JRF Examination, Exclusive focus on Paper-I conducted by our NET/SET Coaching Wing on September 28th and 29th 2019.

MINOR PROJECT UGC funded XII PLAN

Isolation and Characterization of Antimicrobial Compounds from Prosobranch Mollusc.

Amount Sanctioned RS 2, 95,000 UGC Year 2014- 2016

Contact details

Permanent Address: 15/8/5-1 Jeevanantham street,

Thamaraikulam,

Periyakulam,

Theni Dist