



Dr. K. SATHIYAMURTHY
Assistant Professor (Stage 3)

Contact

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Academic Qualifications: M.A./M.Sc./M.Phil./Ph.D./

Ph.D. -Annamalai University, Tamil Nadu, India.
M. Phil. -Annamalai University, Tamil Nadu, India.
M.Sc. -Annamalai University, Tamil Nadu, India

Teaching Experience: 19 Years

Research Experience: 22 Years

Additional Responsibilities

1. Deputy Warden (Two years)
2. Member – Academic audit committee (2016)

Areas of Research

Molecular Microbiology – Pathogens
Mechanism of pathogenesis
Bioactive principles from bacterial peptides

Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	Ph.D.	06	06
	M.Phil.	07	-
Project	PG	37	-
	UG / Others	-	-

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
11	1	7	1	-

Cumulative Impact Factor (as per JCR) :	xxx
h-index :	xx
i10 index :	xx
Total Citations :	xx

Funded Research Projects

Completed Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	University Grants Commission (UGC)	2011	2014	Molecular Characterization of Toxigenic vibrios from Human and Environmental Sources	7,82,300

Ongoing Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1				NIL	
2					

Consultancy Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1					
2					

Others

Note: Budget must be rounded to two decimal places

Patents

1. xxx
2. xxx

Distinctive Achievements / Awards

1. Awarded Indian Council of Agricultural Research (ICAR) Senior Research Fellowship from May 1987 to April 1989.
2. Awarded Tamilnadu State Fellowship from February 1990 to April 1992.
3. Awarded University Grants Commission (UGC) Research Associate from January 1995 to January 1996.
4. Awarded Japan Society for the Promotion of Science (JSPS) postdoctoral Fellowship from November 1998 to November 2000.
5. Awarded Science and Technology Agency (STA), Japan, Visiting Scientist Fellowship from March to May 2001.
6. Awarded "Best Alumnus" award by Jamal Mohamed College in 2015.

Events organized in leading roles

Number of Seminars / Conferences / Workshops / Events organized: xx

1. xxx
2. xxx

Events Participated (optional)

Conferences / Seminars / Workshops: xx

1. International: 5
2. National: 11

Other Training Programs

1. Laboratory Diagnosis of Vibrios and Campylobacter at the division of Microbiology of National Institute of Cholera and Enteric Diseases WHO collaborating centre for Diarrhoeal Diseases Research and Training, Kolkatta, India, September, 1989.
2. Got trained in Technique of Serological Identification of *V. parahaemolyticus* at Kobe Institute of Health, Kobe-shi, Japan September 2000.
3. Training Course in Molecular Diagnostics and Fingerprinting of Salmonella and pathogenic *Vibrios* associated with Seafood and Aquatic Environments, at Central Institute of Fisheries Technology, Cochin, India, February, 2011.
4. Global Foodborne Infections Network (GFN) Level 1 Enteric Diseases Training at the National Institute of Cholera and Enteric Diseases, Kolkatta, India, March, 2011.
5. Training course on *Vibrio cholerae* and *Salmonella* spp jointly organized by Japan Okayama University and NICED, Kolkata, India 2014

Overseas Exposure / Visits

- | | | | |
|----|-----------|---|--------------|
| 1. | Hong Kong | - | 1990 |
| 2. | Singapore | - | 1991 |
| 3. | Japan | - | 1998 to 2000 |
| 4. | Japan | - | 2001 |

Membership in

Professional Bodies

1. Association of Microbiologists of India, Pune, India.
2. American Society for Microbiology, Washington DC, USA.
3. Japanese Society for Bacteriology, Japan.
4. Japanese Society for Microbiology, Japan.
5. India Association of Applied Microbiologist, Chennai, India.
6. International Society for Microbial Ecology, Switzerland.
7. Member, Global Food Borne network, Switzerland.

Academic Bodies (such as Board of Studies etc.,)

1. Member –Board of studies, Department of Bio-Medical Science, Bharathidasan University, Trichy 24.
2. Member –Board of studies, Department of Microbiology, Jamal Mohamed College (Autonomous), Trichy -20.

Resource persons in various capacities

Number of Invited / Special Lectures delivered: 8

1. Delivered lecture on “Microbial Diseases in Shrimps” in Seminar on “Recent Trends in Aquaculture” Lekshmipuram college of Arts & Science Nagercoil on September 11, 2009.
2. Delivered lecture on “Microbes – A challenging World” in Jayaraj Annapackiam College for Women (Autonomous) Periyakulam on December 9, 2009.
3. Delivered lecture on “Medical Microbiology” – An overview in Holy cross college for Women, Nagercoil. February 5, 2010.
4. Delivered lecture on “Is survival of Vibrios determined by biotic and Abiotic factors?” in the International Conference on “Aquatic Microbiology (Status, Challenges and Opportunities)” organized by the Centre of Advanced Study in Marine Biology, Annamalai University during September 2-4, 2010.
5. Delivered lecture on “Microorganisms and human diseases – Bacterial overview” in Shrimathi Indira Gandhi College, Tiruchirappalli on August 25, 2014.
6. Delivered invited lecture on “Is survival of bacterial pathogens determined by biotic and abiotic factors in marine environment?” In V.O. Chidambaram College, Thoothukudi on December 10-12, 2014.
7. Delivered invited talk on “Prevention and Control of Health Hazards” in PG and Research Department of Physics, Holy Cross College (Autonomous), Trichy on January 21, 2015.
8. Delivered invited talk on “Prevention and Control of Health Hazards” in Department of Zoology, Sri Paramakalyani College, Alwarkurichi on February 12, 2016.

Others

1. Articles published in Newspapers / Magazines : xx
2. Products developed : xx
3. No. of PhD Thesis evaluated : 5
4. No. of PhD Public Viva Voce Examination conducted : 5
5. Sequences submitted in GenBank : 10

**Social Interests and Initiatives / Articles in News papers etc can also be included

Recent Publications

1. **Sathiyamurthy, K.** A. Baskaran and S. Dinesh Kumar. **2013.** Prevalence of *Vibrio cholerae* and other vibrios from environmental and seafood sources, Tamil Nadu, India. *British Microbiology Research Journal*. 3(4): 538-549.

2. Velmurugan, A.M, A. Baskaran, S. Dinesh Kumar, I. Surela, E. Jennifer Emelda and **K. Sathiyamurthy**. **2015**. Screening, stability and antibacterial potential of rhamnolipids from *Pseudomonas sp.*, isolated from hydrocarbon contaminated soil. *Journal of Applied Pharmaceutical Science*. 5(8): 26-33.
3. Sureka Indrajith, Baskaran Athmanathan, Dinesh Kumar Subbaraj, Velmurugan Meganathan, Jennifer Emelda Edward Arockiaraj, Jesuraj Edison Woodrowwilson and **Sathiyamurthy Karuppannan**. **2015**. Incidence and antibiotic resistant profiles of pathogenic *Salmonella spp.* from different environmental and food samples. *International Journal of Microbiology and Immunology Research* Vol. 3(5): 076-083.
4. Dinesh Kumar Subbaraj, Athmanathan Baskaran, Indrajith Sureka, Meganathan Velmurugan, Edward Arockiaraj Jennifer Emelda and **Karuppannan Sathiyamurthy**. **2016**. Bioactive potential of plants and spices extracts against human bacterial pathogens. *IOSR Journal of Pharmacy and Biological Sciences (IOSR -JPBS)* e Volume 11, Issue 1 Ver. I (Jan. - Feb. 2016), PP 45-51.
5. Jennifer Emelda Edward Arockia Raj, Athmanathan Baskaran, Subbaraj Dinesh Kumar, Indrajith Sureka, Meganathan Velmurugan and **Karuppannan Sathiyamurthy**. **2016**. Isolation and Screening of L-asparaginase and L-glutaminase Producing Bacteria and their Antimicrobial Potential from Environmental Sources. *IOSR Journal of Pharmacy and Biological Sciences (IOSR -JPBS)* Volume 11, Issue 3, Ver. I : 47-53.
6. SenthilRaja, R., **K. Sathiyamurthy**, P. Padmapriya, V. Senthilkumar, S. Khallefathullah, P. Gunasekaran and K. Kaveri. **2016**. Circulation of Dengue Virus -2 in Chennai-2014, India. *IOSR Journal of Pharmacy and Biological Sciences (IOSR-JPBS)*. 11(3):Ver. IV (May - Jun.2016): 01-06. (IF - 1.519).
7. Dinesh Kumar Subbaraj, Srinivasan Ponnuraj, Rajalakshmi Manickam, Gowthamraj Rajendran and **Karuppannan Sathiyamurthy**. **2017**. Eco friendly Larvicide source from *Acacia auriculiformis* and its antimicrobial activity against clinical pathogens. *International Journal of phytomedicine*. 9(1).
8. Magesh, Bupesh **Sathiyamurthy K**, Saran, Vennila , Sureshbabu , Kaveri , Ramasamy and Gunasekaran . **2017**. Sero-prevalence, Epidemiology and genetic Characterization of Hepatitis C Virus,India, *Virology & Immunology Journal* 1(1):000102.
9. Ramalingam Senthilraja, Padmanaban Padmapriya, Vijayan Senthilkumar, Palani Gunasekaran, Krishnasamy Kaveri and **Karuppannan Sathiyamurthy**. **2017**. Dengu Scenario in Chennai, Tamilnadu-An Analysis (2011-2013). *International Journal of Tropical Disease & Health* 22(3): 1-3.
10. Bavithra. H and **Sathiyamurthy. K**. **2018**. Bioactive potential of sponge associated bacteria – A preliminary study. *International Journal of Pharmacy and Biological Sciences*. 8 (3): 603-610.