

Dr.SAMUEL P

Assistant Professor,
Department of Biotechnology,
Bishop Heber College,
Tiruchirappalli - 17.

E-mail : samuel.bt@bhc.edu.in

Phone : 9025559994

Web: www.linkedin.com/in/sampandian

Qualification

Degree	Branch	Institution / University	Year of Passing
DOCTOR OF PHILOSOPHY	MICROBIOLOGY	Ponnaiyah Ramajayam Institute Of Science And Technology	2013
MASTER OF PHILOSOPHY	MICROBIOLOGY	Ponnaiyah Ramajayam College	2006
Master of Science	MICROBIOLOGY	Ponnaiyah Ramajayam College	2005
Bachelor of Science	MICROBIOLOGY	Ponnaiyah Ramajayam College	2003

Ph.D. Details

Title of Thesis	Area of Specialization	Year of Award
A STUDY ON THE MYCODIVERSITY, GENETIC DIVERSITY AND EVALUATION OF BIOLOGICAL ACTIVITY OF MARINE DERIVED FUNGI FROM SOUTH-EAST COAST OF TAMIL NADU	MARINE MYCOLOGY	DECEMBER 2013
Research Supervisor DR. P. PRABAKARAN	Research Centre PONNAIYAH RAMAJAYAM INSTITUTE OF SCIENCE AND TECHNOLOGY	

Additional Qualification

Name of Course	Place of Study	Date	Duration
8th NATIONAL WORKSHOP ON AEROBIOLOGY	MARINA LABS CHENNAI	SEPTEMBER 2018	2 DAYS
HANDS ON TRAINING ON PCR, 2D PAGE AND GEL DOCUMENTATION AND NIKON PHOTO MICROSCOPY	PG DEPARTMENT OF MICROBIOLOGY, JMC, TRICHY	SEPTEMBER 2009	2 DAYS
HANDS ON TRAINING ON ANIMAL CELL CULTURE TECHNIQUES	PG DEPARTMENT OF BIOTECHNOLOGY, JMC, TRICHY	MARCH 2008	2 DAYS
ADVANCE PROGRAM IN DRUG DESIGNING	INTERNATIONAL CENTRE FOR INTELLECTUAL TRAINING AND EMPOWERMENT, TRIVANDRUM	JANUARY 2015	2 DAYS
SUMMER INTERNSHIP PROGRAM ON NANOTACHNOLOGY	DEPARTMENT OF NANOSCIENCE AND TECHNOLOGY, SRI RAMAKRISHNA ENGINEERING COLLEGE, COIMBATORE	MAY 2015	3 DAYS
ORIENTATION COURSE FOR NSS PROGRAMME OFFICERS	MADRAS SCHOOL OF SOCIAL WORK, CHENNAI	FEBRUARY 2014	ONE WEEK

Work Experience

Name of Institution	Address of Institution	Designation	From	To
AYYA NADAR JANAKI AMMAL COLLEGE (AUTONOMOUS)	SIVAKASI-SRIVILLIPUTTUR HIGHWAYS SIVAKASI	ASSISTANT PROFESSOR	07-07-2014	29-04-2023
BHARATH COLLEGE OF SCIENCE AND MANAGEMENT	BHARATH AVENUE, NEAR NEW BUS STAND, THANJAVUR	ASSISTANT PROFESSOR	10-07-2010	04-07-2014
PONNAIYAH RAMAJAYAM INSTITUTE OF SCIENCE AND TECHNOLOGY	MELA VASTHA CHAVADY, THANJAVUR	ASSISTANT PROFESSOR	01-09-2006	05-07-2010

Teaching / Research Experience

U.G. : 16 **P.G. :** 15 **M.Phil.** 11 **Ph.D.**

Research Guidance

U.G. : 9 **P.G. :** 15 **M.Phil. :** 2 **Ph.D. :**

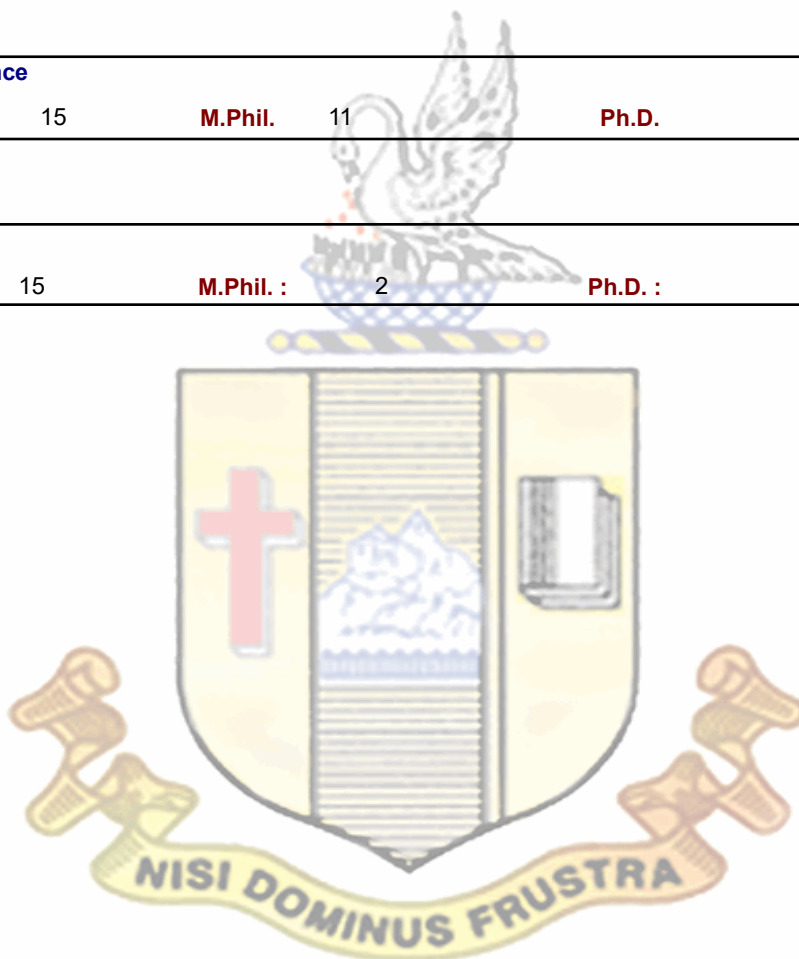


Table of Contents

1.	Conferences / workshops / Seminars Attended	23
2.	Research Papers Presented	1
3.	Publication in Journals	9
4.	Publication in Books	4
5.	Books Published / Edited	0
6.	Conferences / Workshops / Seminars Organised	0
7.	Research Projects	0
8.	Resource Person	0
9.	Consultancy	0
10.	Awards Recieved	0
11.	Patent	0
12.	Extension Activities Undertaken	0
13.	Professional Membership	11
14.	M.Phil. / Ph.D. Produced	1 / 0

1. National level Workshop on **"Sensitization programme on Patent filing"** sponsored by The Management, Ayya Nadar Janaki Ammal College organized by IQAC and IIC of ANJAC at Sivakasi during 06/12/2021 to 06/12/2021.
2. National level Seminar on **"Schemes and Programs for IIC institutions"** sponsored by MoE's innovation cell organized by MoE's innovation cell at Online during 06/03/2021 to 06/03/2021.
3. National level Workshop on **"OUTCOME BASED EDUCATION - A PARADIGM SHIFT"** sponsored by NAAC, BENGALURU organized by IQAC, GTN ARTS COLLEGE at DINDIGUL during 27/06/2019 to 27/06/2019.
4. National level Conference on **"ENVIRONMENTAL PROTECTION AND WILD LIFE CONSERVATION"** sponsored by The Management, Ayya Nadar Janaki Ammal College organized by SOCIAL SERVICE LEAGUE, ANJAC at Sivakasi during 28/03/2019 to 28/03/2019.
5. State level Seminar on **"ASSESSMENT STRATEGIES OF NAAC IN THE CHANGING FACETS OF INDIAN HIGHER EDUCATION"** sponsored by IQAC OF ANJAC AND UGC, NEW DELHI organized by IQAC, ANJAC at Sivakasi during 21/03/2019 to 21/03/2019.
6. National level Workshop on **"NATIONAL WORKSHOP ON LIFE SCIENCE INVENTIONS AND INTELLECTUAL PROPERTY RIGHTS"** sponsored by THE MANAGEMENT, ANJAC & UGC, NEW DELHI organized by DEPARTMENT OF ZOOLOGY AND IPR CELL, ANJAC at Sivakasi during 15/02/2019 to 15/02/2019.
7. State level Seminar on **"RECENT ADVANCES IN NANOSTRUCTURAL MATERIALS"** sponsored by THE MANAGEMENT, ANJAC & UGC, NEW DELHI organized by DEPARTMENT OF PHYSICS, ANJAC at Sivakasi during 04/02/2019 to 04/02/2019.
8. National level Workshop on **"RESEARCH PROBITY AND PLAGIARISM"** sponsored by The Management, Ayya Nadar Janaki Ammal College organized by THE LIBRARY at Sivakasi during 29/01/2019 to 29/01/2019.
9. State level Seminar on **"ONE DAY STATE LEVEL SEMINAR ON RECENT TRENDS IN ADVANCED BIO-SCIENCES"** sponsored by THE MANAGEMENT, POOMPUHAR COLLEGE organized by DEPARTMENT OF ZOOLOGY at NAGAPPATTINAM during 09/01/2019 to 09/01/2019.
10. State level Workshop on **"WORKSHOP ON DIGITAL LEARNING TECHNOLOGIES"** sponsored by The Management, Ayya Nadar Janaki Ammal College organized by CTEL, ANJAC at Sivakasi during 21/12/2018 to 21/12/2018.
11. National level Seminar on **"CURRICULUM DESIGNING AND SKILL BASED EDUCATION - OPPORTUNITIES AND CHALLENGES"** sponsored by THE MANAGEMENT, ANJAC & NAAC organized by IQAC, ANJAC at Sivakasi during 16/02/2017 to 17/02/2017.
12. National level Conference on **"BOTANICALS AND PHYTOCHEMICALS: THE CHALLENGES AND PROMISE FOR HEALTH CARE AND DRUG DEVELOPMENT"** sponsored by THE MANAGEMENT, REV. JACOB MEMORIAL CHRISTIAN COLLEGE, AMBILIKKAI organized by DEPARTMENT OF BIOCHEMISTRY at AMBILIKKAI during 04/02/2016 to 04/02/2016.
13. International level Seminar on **"INTERNATIONAL SYMPOSIUM ON BIOSCIENCE RESEARCH FOR PRESENT AND FUTURE"** sponsored by THE MANAGEMENT, VICAS organized by CENTRE FOR BIOSCIENCES, VICAS at NAMAKKAL during 14/12/2015 to 14/12/2015.
14. National level Seminar on **"NATIONAL SEMINAR ON CURRENT RESEARCH IN MICROBIOLOGY"** sponsored by UGC SERO & The Management, Ayya Nadar Janaki Ammal College organized by DEPARTMENT OF MICROBIOLOGY, ANJAC AND DEPARTMENT OF MOLECULAR BIOLOGY, MK UNIVERSITY, MADURAI at Sivakasi during 19/03/2015 to 20/03/2015.
15. International level Conference on **"INTERNATIONAL CONFERENCE ON NEW DIMENSIONS IN COMMERCE AND INDUSTRY IN THE GLOBALISED ERA"** sponsored by THE MANAGEMENT, BHARATH COLLEGE OF SCIENCE AND MANAGEMENT organized by DEPARTMENT OF BUSINESS ADMINISTRATION at THANJAVUR during 22/02/2014 to 22/02/2014.

16. National level Workshop on **"SHORT TERM COURSE ON CHROMATOGRAPHIC TECHNIQUES"** sponsored by TEQIP COMMUNITY SERVICE organized by DEPARTMENT OF CHEMISTRY, NIT, TRICHY at NIT, TRICHY during 05/12/2012 to 05/12/2012.
17. National level Conference on **"AQUATIC ANIMAL HEALTH AND MANAGEMENT"** sponsored by DST&DBT, CSIR AND UGC organized by CENTRE FOR ADVANCED STUDIES IN MARINE BIOLOGY at CHIDAMBARAM during 14/09/2012 to 15/09/2012.
18. International level Seminar on **"INTERNATIONAL SEMINAR ON EMERGING TRENDS IN LIFE SCIENCE"** sponsored by THE MANAGEMENT, NAVARASAM ARTS AND SCIENCE COLLEGE FOR WOMEN organized by DEPARTMENT OF BIOCHEMISTRY, PHYSICS AND CHEMISTRY at ERODS during 18/08/2011 to 18/08/2011.
19. National level Seminar on **"EMERGING DEBATES ON COMMUNICABLE DISEASE"** sponsored by THE MANAGEMENT, JMC organized by P.G. DEPARTMENT OF MICROBIOLOGY at TRICHY during 28/02/2011 to 28/02/2011.
20. State level Workshop on **"ISOLATION, IDENTIFICATION AND APPLICATION OF BIOCONSTITUENTS"** sponsored by THE MANAGEMENT, VEL TECH HIGHTECH Dr. RANGARAJAN Dr. SAKUNTHALA ENGINEERING COLLEGE organized by DEPARTMENT OF BIOTECHNOLOGY at AVADI during 25/11/2009 to 27/11/2009.
21. National level Workshop on **"ADVANCES IN BIOMATERIALS"** sponsored by TEQIP COMMUNITY SERVICE organized by DEPARTMENT OF METALLURGICAL AND MATERIALS ENGINEERING at NIT, TRICHY during 15/03/2008 to 15/03/2008.
22. National level Seminar on **"EMERGING TRENDS IN MICROBIOLOGY"** sponsored by SRI RAMAKARISHNA COLLEGE OF ARTS AND SCIENCE FOR WOMEN organized by DEPARTMENT OF MICROBIOLOGY at COIMBATORE during 24/08/2004 to 25/08/2004.
23. National level Seminar on **"RECENT TRENDS IN BIOLOGICAL RESEARCH"** sponsored by THE MANAGEMENT, AVVM.SP COLLEGE organized by DEPARTMENT OF BOTANY AND MICROBIOLOGY at POONDI during 17/02/2004 to 19/02/2004.

Research Papers Presented

- 1

1. **"Biological potentials of Marine fungi"** in the International conference on *International symposium on Bioscience research for Present and Future–Biomillennium–2015* sponsored by , organized by Vivekanandha College of Arts and Sciences for Women (Autonomous), Tiruchengode at Tiruchengode during 14/12/2015 to 14/12/2015.

1. **"Bioremediation of hexavalent chromium by transformation of Escherichia coli DH5a with chromate reductase (ChrR) genes of Pseudomonas putida isolated from tannery effluent"** published in Journal of Applied Microbiology (PEER REVIEW) Vol. Volume 134, Issue No. 1, December 2022 ISSN : 0021-8847, Impact factor 1.84, Scopus Index 17, Citation index 181
2. **"Evaluation of rust disease tolerance and antioxidant enzyme activity from organogenesis and somatic embryogenesis in safflower (Carthamustinctorius L.) cv. NARI-H-15."** published in Agriculture and Natural Resources (PEER REVIEW) Vol. 56, Issue No. 3, June 2022 ISSN : 2432-196X, Impact factor , Scopus Index , h - index 24, Citation index
3. **"Mitochondria-targeted acridine-based dual-channel fluorescence chemosensor for detection of Sn4+ and Cr2O72- ions in water and its application in discriminative detection of cancer cells"** published in (PEER REVIEW) Vol. 419, Issue No. , October 2021 ISSN : 0304-3894. Impact factor , Scopus Index , h - index 329, Citation index
4. **"Toxicity studies on silver and copper nanoparticles"** published in INDIAN DRUGS (PEER REVIEW) Vol. 55, Issue No. 9, August 2018 ISSN : 0019462X. Impact factor , Scopus Index , h - index 32, Citation index
5. **"Bioprospecting of marine halophyte Salicornia europaea L. and evaluation of its biological potential with special reference to anticancer activity"** published in INDIAN DRUGS (PEER REVIEW) Vol. 55, Issue No. 05, May 2018 ISSN : 0019462X. Impact factor , Scopus Index , h - index 32, Citation index
6. **"Bio-prospecting of marine-derived fungi with special reference to production of keratinase enzyme - A need-based optimization study"** published in Journal of Applied Biology & Biotechnology (PEER REVIEW) Vol. 6, Issue No. 3, April 2018 ISSN : 2347-212X. Impact factor , Scopus Index , h - index 12, Citation index
7. **"Metabolite Profiles of Arsenic Tolerant Plants Regenerated from Stem Calli of Andrographis paniculata (Burm.f.) Nees using HPLC and 1D 1H NMR"** published in AMERICAN JOURNAL OF BIOCHEMISTRY AND BIOTECHNOLOGY (PEER REVIEW) Vol. 13, Issue No. 4, October 2017 ISSN : 1536-6332, Impact factor 1.93, Scopus Index 11, h - index 35, Citation index
8. **"GLORIOSA SUPERBA - AN ENDANGERED PLANT OF TAMILNADU, YET TO BE EXPLORED AND NEED TO BE CONSERVED"** published in INDIAN DRUGS (PEER REVIEW) Vol. 54, Issue No. 07, April 2017 ISSN : 0019462X. Impact factor , Scopus Index , h - index 32, Citation index
9. **"Influence of Meta-Topolin on Efficient Plant Regeneration via Micropropagation and Organogenesis of Safflower (Carthamus tinctorius L.) cv. NARI-H-15"** published in American Journal of Plant Sciences (PEER REVIEW) Vol. 8, Issue No. 04, March 2017 ISSN : 2158-2750.

1. **Nanotechnology-Based Stem Cell Therapy: Current Status and Perspectives. Possibilities and limitations in current translational stem cell research.** *Possibilities and Limitations in Current Translational Stem Cell Research.* LONDON :INTECH OPEN, February 2023.
2. **EXPLORING THE BIOLOGICAL POTENTIALS OF CISSUS QUADRANGULARIS Linn. WITH SPECIAL REFERENCE TO EXPLOITING THE ANTICANCER AND ANTIBACTERIAL ACTIVITIES.** *INNOVATION IN MICROBIOLOGY AND BIOTECHNOLOGY.* BANGLADESH :BP INTERNATIONAL, August 2022.
3. **Nanotechnology in theragnostics (Therapeutics and diagnostics).** *International Conference on Recent Progresses in Biological Sciences.* SIVAKASI :Curriculum Development Cell (CDC), ANJAC, August 2022.
4. **ISOLATION, STRUCTURE ELUCIDATION AND BIOLOGICAL ACTIVITY OF MARINE NATURAL PRODUCTS.** *MARINE NUTRACEUTICALS: CHALLENGES AND OPPORTUNITIES.* GUJARAT :RESEARCH CULTURE SOCIETY AND PUBLICATION, July 2021.

PROFESSIONAL MEMBERSHIP

- 11

- * Life Member of International Association for Urban climate during 01/01/1900 - Till Date
- * Life Member of European federation of Biotechnology during 01/01/1900 - Till Date
- * Life Member of International society for infectious diseases during 01/01/1900 - Till Date
- * Life Member of European Society of Clinical Microbiology and Infectious Diseases during 01/01/1900 - Till Date
- * Life Member of Asian federation of Biotechnology during 01/01/1900 - Till Date
- * Life Member of International society for subsurface microbiology during 01/01/1900 - Till Date
- * Life Member of Yale Biotechnology and pharmaceutical society during 01/01/1900 - Till Date
- * Life Member of ? European Biotechnology Network during 01/01/1900 - Till Date
- * Life Member of International congress on infectious diseases during 01/01/1900 - Till Date
- * Life Member of International Society for Environmental Information Sciences during 01/01/1900 - Till Date
- * Life Member of ? Asia-Pacific Chemical, Biological& Environmental Engineering Society (APCBES) during 01/01/1900 - Till Date

Additional Information

- @ MEMBERSHIP
- European Society of Clinical Microbiology and Infectious Diseases.
 - International Association for Urban climate.
 - Asian federation of Biotechnology.
 - International society for subsurface microbiology.
 - European federation of Biotechnology.
 - Yale Biotechnology and pharmaceutical society.
 - European Biotechnology Network.
 - International congress on infectious diseases.
 - International society for infectious diseases.
 - International Society for Environmental Information Sciences.
 - Asia-Pacific Chemical, Biological& Environmental Engineering Society (APCBEEES)



Signature of Staff
(SAMUEL P)