

Dr. D. Shanmuga Priya,

Assistant Professor,

Department of Chemistry,

A.P.C.Mahalaxmi College for Women, Thoothukudi

Email: priyasaravanan12@yahoo.compriyasaravanan12apcm@gmail.com

Date of Joining : 02.12.2003
Education : M.Sc, M.Phil, Ph.D
Specialization : Marine Chemistry

Education & Credentials

Degree	College / University	Specialization	Year
Ph.D	Manonmaniam Sundaranar University, Tirunelveli	Marine Chemistry	2012
M.Phil	Manonmaniam Sundaranar University, Tirunelveli	Physical Chemistry	2007
M.Sc	V.O. Chidambaram College, Thoothukudi	Chemistry	2003
B.Sc	A.P. C. Mahalaxmi College for Women, Thoothukudi	Chemistry	2001

Academic positions:

1. External Examiner for the University practical examinations both for Allied and Major Chemistry in various colleges affiliated to Manonmaniam Sundaranar University.
2. External Examiner for project viva voce examinations
3. Chief Examiner for paper valuation.

Resource Person

- Acted as the Co-organiser in the inservice training programme for high school teachers on Effective teaching of Science on 27.01.2005 and 28.01.2005

- ✚ Acted as the resource person in the one day workshop “Ascidians of Indian waters” on 29th January 2010 at Govindammal Aditanar College, Tiruchendur and delivered a talk on “Natural products from ascidians”
- ✚ Chair person – International Conference on “Recent Advancements in IT, Science & Engineering” organized by IFERP on 14.12.2018 & 15.12.2018
- ✚ Served as the organizing secretary in the International seminar on “Materials Science and Technology” at A.P.C.Mahalaxmi College on 28.12.2016.
- ✚ Served as the organizing secretary in the International seminar on “Materials Science and Technology” at A.P.C.Mahalaxmi College on 23.2.2018.
- ✚ Chair person – International Conference on “Recent Advancements in IT, Science & Engineering” organized by IFERP on 20.12.2018 & 21.12.2018

Conferences / Seminars / Workshops Attended

International Level

- ❖ Participated and Paper presented entitled “Studies on Pharmacological activities of methanolic extract of *Phallusia nigra*” in SciTech’11, Drug design and development organized by the Department of Chemistry, Nadar Saraswathi College of Arts and Science, Theni
- ❖ Second International Conference of KAAS 2013 on September 20 – 21 2013. Sponsored by Kanniyakumari academy of arts of Sciences and Sree Ayyappa College for Women, Chunkankadaai, Kanniyakumari District, Tamilnadu.
- ❖ International Seminar on “New vistas in Chemistry” at A.P.C. Mahalaxmi College for Women, Thoothukudi on 28th December, 2017.
- ❖ International conference on “Recent Advancements in Information Technology, Science and Engineering (ICRAITSE– 2017)” at A.P.C Mahalaxmi College for Women, Thoothukudi on 14th & 15th December 2017.
- ❖ Participated in the one day International conference on “Advancements in materials and their applications” at V.O.C. College on 27.12.2018.

National Level

- Participated in the one day National seminar on “Challenges and Strategies in Nanochemistry” at Sarah Tucker College, Tirunelveli during 25th and 26th sep.2008
- Participated in the one day National seminar on “Drug designinig and drug development” organized by the department of Pharmaceutical Chemistry, M.S. University, Tirunelveli on 12th Mar.2009

- Participated in the one day National seminar on “Recent advances in chemical science and technologies” held at Women’s Christian College, Nagercoil on October 10, 2009
- Participated in the one day National workshop on “Information Security” on 28th Sep.2010 at APC Mahalaxmi College, Thoothukudi
- Participated in the one day National seminar on “Impact of Chemistry on Environment and Nanomaterials” at Sarah Tucker College, Tirunelveli on 15th Oct.2010
- Participated in the one day National seminar on Green Energy and Material Science” at St.Mary’s College, Thoothukudi on 11th Dec.2010
- Participated in the one day National seminar on “Recent trends in Natural products Chemistry” organized by the department of Pharmaceutical Chemistry, M.S. University, Tirunelveli on 18th Mar.2011
- Participated in the one day National Symposium on “Nanoscience” at St.Mary’s College, Thoothukudi on 29.11.2012.
- Participated in the one day National workshop on “Radiochemistry” on 21st Dec.2012 at APC Mahalaxmi College, Thoothukudi.
- Participated in the one day National Seminar on “Current trends in Chemistry” at A.P.C. Mahalaxmi College for Women, Thoothukudi on 7th August, 2013.
- Participated in the one day National Seminar on “Marine Conservation” at A.P.C.Mahalaxmi College,Thoothukudi on 18th September, 2013.
- Participated in the RSC Symposium on recent Trends in Chemical Sciences, Organized by St. Xavier’s College (Autonomous), Palayamkottai, 12th December 2014.
- Participated in the one day National Conference on “Modern trends in Science & Communication” at Dr. Sivanthi Aditanar College of Engineering, Tiruchendur on 7th May 2014.
- National Seminar on “Emerging Trends in Graph Theory and Fuzzy Mathematics” at A.P.C.Mahalaxmi College,Thoothukudi on 6th September, 2013.
- National Seminar on “Current trends in Chemistry” at A.P.C. Mahalaxmi College for Women, Thoothukudi on 27th August, 2014.
- UGC Sponsored National Seminar on “Current trends in Chemistry” at A.P.C. Mahalaxmi College for Women, Thoothukudi on 4th & 5th February 2015.

- Colloquium on “Department of Atomic Energy in the services of Society” held on 6th April 2015 organized by Heavy Water Plant, Thoothukudi.
- Participated in a national conference on “Marine Resources:Utilization ,Exploitation And Conservation”at A.P.C. Mahalaxmi College for Women, Thoothukudi on 23rd August , 2016.
- Participated in a national conference on “Demonitisation and Cashless Economy” at A.P.C. Mahalaxmi College for Women, Thoothukudi on 2nd March, 2017.

State Level

- ✓ Participated in the one day regional seminar on “Environmental Studies” at A.P.C.Mahalaxmi College,Thoothukudi on 23rd July 2004
- ✓ Participated in the one day state level seminar on “Modern trends in Chemistry” at A.P.C.Mahalaxmi College,Thoothukudi on 29th July 2005
- ✓ Participated in the one day state level seminar on “New frontiers in Chemistry”at St.Mary’s College, Thoothukudi on 28.09.2007
- ✓ Participated in the one day seminar on “Advanced topics in Chemistry” at V.O.Chidambaram College, Thoothukudi on 4th Feb.2007
- ✓ Participated in the one day workshop on Safety, Health and Environment held on 19.02.2009 at Heavy water Plant, Thoothukudi
- ✓ Participated in the one day state level workshop on “Nurturing the spirit of research among Under graduate students” on 27th Jan.2011 at APC Mahalaxmi College, Thoothukudi
- ✓ Participated in the One day State level seminar on “E-Commerce security challenges and solutions” at A.P.C Mahalaxmi College, Thoothukudi. on 16th October 2017

Theses / Dissertations

- **Ph.D Thesis**

Title: “Studies on some selected ascidians of Tuticorin Coast” under the guidance of Dr. S. Gopalakrishnan, Professor and Head, Department of Pharmaceutical Chemistry, M.S. University, Tirunelveli and Co-guidance of Dr. V. K. Meenakshi, Associate Professor, Department of Zoology, A.P. C. Mahalaxmi College for Women, Thoothukudi.

- **M.Phil Thesis**

Title: “Conductivity studies of amino acid complexes with alkaline earth metals”
under the guidance of Dr. Theodore David Manickam, Head, Department of Chemistry, St. John’s College, Palayamkottai, Tirunelveli.

Minor Research Project

Completed UGC funded minor research project entitled “Pharmacological and Chemical Evaluation of simple ascidian *Phallusia nigra*”

Papers Presented in Conferences / Seminars

International Level

- ❖ Paper presented entitled “Studies on Pharmacological activities of methanolic extract of *Phallusia nigra*” in SciTech’11, Drug design and development organized by the Department of Chemistry, Nadar Saraswathi College of Arts and Science, Theni on 21st Jan 2010
- ❖ Paper presented on the topic “Total flavonoid and phenolic content in a simple ascidian *Phallusia nigra*” in the Second International Conference of KAAS 2013 on September 20 – 21 2013, sponsored by Kanniyakumari academy of arts of Sciences and Sree Ayyappa College for Women, Chankankadai, Kanniyakumari District

National Level

- Presented a paper entitled “Phytochemical screening of *Phallusia nigra*” in the National Symposium on “Standardisation of crude drugs” organized by the Department of Pharmaceutical Chemistry, M.S. University, Tirunelveli on 23rd Dec.2009
- Presented a paper entitled “Chemical screening of a simple ascidian *Phallusia arabica*” in the National Conference on “Emerging trends in Chemistry” at The M.D.T. Hindu College, Tirunelveli on 8th and 9th Mar.2013
- Presented a paper on “Nutritive value of a simple ascidian *Phallusia nigra*” in National Conference on “Modern trends in Science & Communication” conducted by the Department of Chemistry, Dr. Sivanthi Aditanar College of Engineering, Tiruchendur on 7th May 2014.
- Poster for “Vitamin – C in some selected simple ascidians” in a National Seminar on “Current trends in Chemistry” at A.P.C.Mahalaxmi College, Thoothukudi on 7th August, 2013.

- Poster for “The Acid Sea” in National Seminar on “Marine Conservation” at A.P.C. Mahalaxmi College for Women, thoothukudi on 18th May 2013.
- Poster presented in one day national seminar on “Emerging trends in Graph theory and Fuzzy Mathematics” at A.P.C.Mahalaxmi College, Thoothukudi, 6th Sep. 2013.

Proceedings

- **D. Shanmuga Priya**, S. Gopalakrishnan and V. K. Meenakshi, “Phytochemical screening of *Phallusia nigra*” in the National Symposium on “Standardisation of crude drugs” organized by the Department of Pharmaceutical Chemistry, M.S. University, Tirunelveli on 23rd Dec.2009

- **D. Shanmuga Priya**, V. K. Meenakshi, S. Senthamarai, M. Paripoorana Selvi, S.Gomathy, and K. P. Chamundeswari. Phytochemical investigation of the simple ascidian, *Phallusia nigra* Savigny, 1816 of Tuticorin Coast. The Proceedings of the All India Eighth Conference of KAAS.

- M. Paripoorana Selvi, V. K. Meenakshi, **D. Shanmuga Priya** , S. Senthamarai, S.Gomathy, and K. P. Chamundeswari. Ascidian biofouling. The Proceedings of the All India Eighth Conference of KAAS.

- S. Senthamarai, V. K. Meenakshi, S. Gomathy, M. Paripoorana Selvi, **D. Shanmuga Priya**, and K. P. Chamundeswari. Anti bacterial activity of ascidian *Microcosmus exasperates* against human pathogens. The Proceedings of the All India Eighth Conference of KAAS.

- S. Gomathy, V. K. Meenakshi, S. Senthamarai, **D. Shanmuga Priya**, M. Paripoorana Selvi, K. P. Chamundeswari. Studies on the distribution of ascidians. The Proceedings of the All India Eighth Conference of KAAS.

- **D. Shanmuga Priya**, “Chemical screening of a simple ascidian *Phallusia arabica*” in the National Conference on “Emerging trends in Chemistry” at The M.D.T. Hindu College, Tirunelveli on 8th and 9th Mar.2013

- **D. Shanmuga Priya**, “Total flavonoid and phenolic content in a simple ascidian *Phallusia nigra*” in International Conference on KAAS 2013 at Sree Ayyappa college for Women on September 20-21, 2013.

• **D. Shanmuga Priya**, “Nutritive value of a simple ascidian *Phallusia nigra*” in National Conference on “Modern trends in Science & Communication” Dr. Sivanthi Aditanar College of Engineering, Tiruchendur on 7th May 2014.

Awards and Recognition

- 🏆 Best Paper award for “cyclic voltammetric studies of simple ascidian *Phallusia nigra*” in International Conference on “Recent Trends in Multidisciplinary Research” organized by IFERP on 20.12.2018 & 21.12.2018.

Chapter in Edited Book published

“Why we need gender equity now”, a chapter given on the book Let Equality Flourish . 2019

Paper Publications

- Antipyretic and analgesic activity of *Phallusia nigra*, Savigny, 1816
S Gopalakrishnan, VK Meenakshi, D Shanmuga Priya
Annals of Biological Research 2 (4), 192-196
- Wound healing activity of the methanolic extract of *Phallusia nigra* Savigny
S Gopalakrishnan, VK Meenakshi, D Shanmugapriya
International Journal of Chemical and Pharmaceutical Sciences, 45-51
- Antimicrobial activity of the methanolic extract of *Phallusia nigra* Savigny
S Gopalakrishnan, VK Meenakshi, D Shanmugapriya
Journal of Natural Product and Plant Resources 2 (5), 579-583
- Chemical investigation of the simple ascidian *Phallusia nigra* Savigny, 1816 of Tuticorin coast by GC-MS
S Gopalakrishnan, VK Meenakshi, D Shanmugapriya
International Journal of Pharma and Biosciences 2 (4), 385-386
- Anaesthetic activity of *Phallusia nigra* Savigny
S Gopalakrishnan, VK Meenakshi, D Shanmugapriya
Annals of Biological Research 3 (4), 1863-1865
- Acute and subchronic oral toxicity of *Microcosmus exasperatus* Heller, 1878
VK Meenakshi, S Gomathy, KP Chamundeswari
Journal of Microbiology and Biotechnology Research 2 (1), 94-98
- Antibacterial activity of simple ascidian *Ascidia sydneiensis* (Family: Ascidiidae) against human pathogens
VK Meenakshi, S Senthamarai, MP Selvi, S Gomathy, DS Priya, ...

- Anti-Inflammatory activity of Simple Ascidian, *Phallusia nigra* Savigny
S Gopalakrishnan, VK Meenakshi, D Shanmuga Priya
International Journal of Pharmaceutical sciences Review and Research 22 (2 ...
- Pharmacognostical and Preliminary Phytochemical Evaluation of *Phallusia nigra* Sav
S Gopalakrishnan, D Shanmuga Priya, VK Meenakshi
Global Journal of Pharmacology 7, 39-44
- Studies on the toxicity of crude methanol extract of *Phallusia nigra* Savigny, 1816
VK Meenakshi, D Shanmuga Priya, S Gomathy, M Paripooranaselvi, ...
International Journal of Chemical and Pharmaceutical Sciences 4 (2), 64-68
- HPLC and FTIR spectral studies of the simple ascidian *Phallusia nigra*
VK Meenakshi, D Shanmuga Priya
Arch. Appl. Sci. Res. 4, 2145-2148
- Antidiabetic activity of the ethanolic extract of a simple ascidian, *Phallusia nigra*
D. Shanmuga Priya, H. Kohila Subathra Christy, S. Sankaravadivu
World journal of Pharmaceutical Research 4 (11), 1557-1563
- Anti microbial activity of a simple ascidian, *Phallusia nigra*
*D. Shanmuga Priya, H. Kohila Subathra Christy
World Journal of Pharmaceutical Research 4 (11), 822-827
- Kohila Subathra Christy H, Sankaravadivu, S. Antimicrobial activity of simple ascidians
Phallusia nigra
D Shanmuga Priya
World Journal of Pharmaceutical research 4 (9), 822-827
- Hepatoprotective activity of ethanol extracts of *Phallusia nigra* against CCl₄ induced
hepatotoxicity in rats
*D. Shanmuga Priya, H. Kohila Subathra Christy
World journal of Pharmaceutical Research 5 (1), 648-655
- HPTLC and IR Spectral studies of the ethanolic extract of *Phallusia nigra*
D Shanmuga Priya, S Sankaravadivu, HKS Christy
International Journal of Pharmaceutical Chemistry 6 (10), 218-223
- In vitro antioxidant and spectrophotometric studies of a colonial ascidian *Didemnum
psammathodes*
D Shanmuga Priya, S Sankaravadivu, HKS Christy
International Journal of Pharmaceutical Chemistry 6 (8), 192-195

- Qualitative and quantitative estimations of chemical constituents in a simple ascidian *Phallusia nigra*
D. Shanmuga Priya
World Journal of Pharmaceutical Research 5 (2), 1492-1497
- Antioxidant activity of the simple ascidian *Phallusia nigra* of Thoothukudi Coast
DS Priya
- Biochemical Estimation of a colonial ascidian *Eudistoma viride*
DS Priya, S Sankaravadivu
ENRICH, 15
- Antioxidant activity of a colonial ascidian *Eudistoma viride* Using DPPH Method
DS Priya, S Sankaravadivu, HKS Christy
- Determination of heavy metal in a simple ascidian *Phallusia nigra* by atomic absorption spectroscopy
DS Priya, S Sankaravadivu, HKS Christy

Other Activities

- Member – Enrich Editorial Board
- Member – Women Empowerment Cell
- Reviewer & Editorial Board – International Journal of Pharmaceutical Chemistry
- Reviewer & Editorial Board – International Journal of Pharmaceutical Chemistry and Analysis