

S.Sankaravadivu

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Date of Joining : 01 July, 2013
Education : M.Sc, B.A (Hindi), DCA
Specialization : Marine Chemistry

Education & Credentials

Degree	College / University	Specialization	Year
Ph.D	Manonmaniam Sundaranar University, Tirunelveli	Marine Chemistry	2019
M.Sc	V.O.C.College, Thoothukudi	Chemistry	2009
B.Sc	A.P. C. Mahalaxmi college for women, Thoothukudi	Chemistry	2007

Conferences / Seminars / Workshops Attended

International Level

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, Chunkankada, Kanniyakumari District, Tamilnadu.

International Conference at Department of Chemistry, St. Xavier's college tirunelveli in "Recent advances in materials and its applications on 16th December 2015.

International workshop on Integrating technology into teaching – engineering class rooms organized by Department of English, University V.O.C College of Engineering, Thoothukudi on 8th November 2016.

International Seminar on "New vistas in Chemistry" at A.P.C. Mahalaxmi College for Women, Thoothukudi on 28th December, 2017.

2nd International Seminar on "Materials science and Technology" at A.P.C. Mahalaxmi College for Women, Thoothukudi on 23rd February, 2018.

Synthesis and characterization of zirconium oxide nanoparticles in International conference on recent trends in multi disciplinary research organized by V.O.Chidambaram College on 19th & 20th April, 2018

National Level

National Seminar on “Current trends in Chemistry” at A.P.C. Mahalaxmi College for Women, Thoothukudi on 7th August, 2013. Sponsored by A.P.C. Mahalaxmi College for Women, Thoothukudi.

National Seminar on “Emerging Trends in Graph Theory and Fuzzy Mathematics” at A.P.C. Mahalaxmi College, Thoothukudi on 6th September, 2013. A.P.C. Mahalaxmi College for Women, Thoothukudi.

National Seminar on “Marine Conservation” at A.P.C. Mahalaxmi College, Thoothukudi on 18th September, 2013. A.P.C. Mahalaxmi College for Women, Thoothukudi.

National Conference on “Modern trends in Science & Communication” at Dr. Sivanthi Aditanar College of Engineering, Tiruchendur on 7th May 2014. Sponsored by Department of Science & Humanities, Dr. Sivanthi Aditanar College of Engineering, Tiruchendur.

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.

UGC Sponsored National Seminar on “Plant genetic resources: utilization and conservation” at V.O.C College, Thoothukudi on 12th & 13th February 2015.

Colloquium on “Department of Atomic Energy in the services of Society” held on 6th April 2015 organized by Heavy Water Plant, Thoothukudi.

Science academics of India IASc, INSA & NASI sponsored lecture workshop on Recent Advances in chemistry (RAC-2016) organized by VOC college Thoothukudi on 26th and 27th February 2016

National Seminar , Department of Zoology A.P.C. Mahalaxmi College for Women, Thoothukudi on 23rd August, 2017.

National Seminar on University VOC college of Engineering, Thoothukudi on 24th February, 2017.

National Seminar, Department of Maths, A.P.C. Mahalaxmi College for Women, Thoothukudi on 28th February, 2017.

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

Title: “Chemical Investigation and Anticancer studies of some selected tunicates” under the guidance of Dr. R. Jothibai Margret, Associate Professor, Department of Chemistry, Pope’s College, Sawyerpuram, Thoothukudi. and coguide Dr. V. K. Meenakshi, Associate Professor, Department of Zoology, A.P. C. Mahalaxmi College for Women, Thoothukudi.- 2, Completed UGC funded minor research project entitled “Studies on toxicity and anticancer studies of a colonial ascidian *Ecteinascidia venui*”

Papers Presented in Conferences / Seminars

National Level

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.

“Nutritive value of a colonial ascidian *Ecteinascidia venui*”, Meenakshi 2000 in International conference on KAAS 2013 at Sree Ayyappa college for Women on September 20-21, 2013.

“Preliminary chemical screening of a colonial ascidian *Ecteinascidia venui*, Meenakshi, 2000 in National Conference on “ Modern trends in Science & Communication” Dr. Sivanthi Aditanar College of Engineering, Tiruchendur on 7th May 2014.

Presented a paper on “Estimation of Glycogen and Vitamin – C in a colonial ascidian *Ecteinascidia venui* Meenakshi, 2000” in a national seminar on “Recent Developments in Chemistry (RDC’ 14)” at Sadakathullah appa college, Tirunelveli on 20.8.2014.

Presented a paper on “Fluorescence and ash value studies of a colonial ascidian *Ecteinascidia venui* Meenakshi, 2000” in a national seminar on “Emerging Trends in Chemistry” at Sri Sarada College, Tirunelveli on 16.12.2014.

Presented a paper on “Cytotoxicity nature of a colonial ascidian *Ecteinascidia venui*” in a National seminar on Marine Conservation at A.P.C College, Thoothukudi -2.

Proceedings

“Nutritive value of a colonial ascidian *Ecteinascidia venui*”, Meenakshi 2000 in International conference on KAAS 2013 at Sree Ayyappa college for Women on September 20-21, 2013.

“Preliminary chemical screening of a colonial ascidian *Ecteinascidia venui*, Meenakshi, 2000 in National Conference on “Modern trends in Science & Communication” Dr. Sivanthi Aditanar College of Engineering, Tiruchendur on 7th May 2014.

Proceedings on “Estimation of Glycogen and Vitamin – C in a colonial ascidian *Ecteinascidia venui* Meenakshi, 2000” in a national seminar on “Recent Developments in Chemistry (RDC’ 14)” at Sadakathullah appa college, Tirunelveli on 20.8.2014

Proceedings on “Nutritive value of a colonial ascidian *Didemnum psammathodes*” in a national seminar on “Recent Developments in Chemistry (RDC’ 14)” at Sadakathullah appa college, Tirunelveli on 20.8.2014

Proceedings on “Nutritive value of amla plant *Cicca distica*” in a UGC sponsored Two day national seminar on “Current trends in Chemistry” at A.P.C. Mahalaxmi College for Women, Thoothukudi on 4th and 5th February, 2015.

Paper presented entitled “Estimation of biochemical constituents in a colonial ascidian *Didemnum psammathodes*” International conference on Recent Advancement in Information Technology, Science & Engineering at APC Mahalaxmi College for Women, Thoothukudi on 14th, 15th December 2017

Synthesis and characterization of zirconium oxide nanoparticles in International conference on recent trends in multi disciplinary research organized by V.O.Chidambaram College on 19th & 20th April,2018.

Workshop

- ❖ Workshop on “Recent Advances in Chemistry (RAC-2016)” – Science Academies of India, in V.O.C College, Tuticorin.
- ❖ Workshop on “Current Innovations & Development in Life Science” organized by the Department of Zoology at APC Mahalaxmi College for Women, Thoothukudi on 14 & 15th March 2018.
- ❖ Workshop on “save chemicals save environments” organized by the Department of Chemistry at APC Mahalaxmi College for Women, Thoothukudi on 19th Sep 2018.


Paper Publications

1. **Sankaravadivu, S., R. Jothibai Margret and V.K. Meenakshi.** 2013. Infrared and gas chromatogram-mass spectral studies of the ethanolic extract of *Ecteinascidia venui* Meenakshi, 2000. International Journal of Chemical and Pharmaceutical Sciences, 4(2):84-89.
2. **Sankaravadivu, S., R. Jothibai Margret and V.K. Meenakshi.** 2013. Spectrophotometric studies of a colonial ascidian *Ecteinascidia venui* Meenakshi, 2000. International journal of pharmacy and biological sciences, 3(4): 159-163.
3. **Sankaravadivu, S., R. Jothibai Margret and V.K. Meenakshi.** 2015. Preliminary Screening and IR Spectral studies of a colonial ascidian *Ecteinascidia venui* Meenakshi, 2000. Journal of Chemical, biological and physical sciences, 5(4): 4205-4210.
4. **Sankaravadivu S, Jothibai Margret R, Meenakshi VK.** Antitumour Activity of *Ecteinascidia venui* Meenakshi, 2000 against Dalton's Lymphoma Ascites. International Journal of Pharma Research and Health sciences. 2016; 4(3): 1214-1222.
5. **Sankaravadivu S, Jothibai Margret R, Meenakshi VK.** Assessment of Acute and Subchronic Oral Toxicity of *Ecteinascidia venui* Meenakshi, 2000. World Journal of Pharmacy and Pharmaceutical Sciences. 2016; 5(7): 1225-1234.

6. **Sankaravadiyu S**, Jothibai Margret R, Meenakshi VK. *In vitro* antioxidant studies of a colonial ascidian *Ecteinascidia venui* Meenakshi, 2000. International Journal of Pharmaceutical Chemistry. 2016; 6(6): 169-177.
7. **Sankaravadiyu S**, Jothibai Margret R, Meenakshi VK. *Ecteinascidia venui* Meenakshi, 2000 induces immunomodulations against Dalton's lymphoma ascites. International Journal of Medicinal Chemistry and Analysis. 2016; 6(2): 79-86.
8. **Sankaravadiyu S**, Jothibai Margret R, Meenakshi VK. *Ecteinascidia venui* Meenakshi 2000 against Ehrlich Ascites carcinoma – Anticancer Potential. European Journal of Pharmaceutical and Medical Research, 2016; 3(9): 329-334.
9. Meenakshi, V.K., and Senthamarai, S. Paripooranaselvi, M., Gomathy, S., **Sankaravadiyu, S.**, and Chamundeswari, K.P. 2013. *In vitro* and *in vivo* antitumor and immunomodulatory studies of *Microcosmus exasperatus* against DLA bearing mice. *European Journal of Applied Engineering and Scientific Research*. 2(3): 18-25. ISSN: 2278-0041, SJImpact Factor: 1.952.
10. Meenakshi, V.K., Paripooranaselvi, M., **Sankaravadiyu, S.**, Gomathy, S., and K.P. Chamundeewari. 2013. Immunomodulatory activity of *Phallusia nigra* Savigny, 1816 against S-180. International Journal of Current Microbiology and Applied Sciences. 2(8): 286-295. ISSN: 2319-7706.
11. Meenakshi, V.K., Paripooranaselvi, M., Senthamarai, S., Gomathy, S., **Sankaravadiyu, S.**, and Chamundeewari, K.P. 2014. Antitumor effect of ethanolic extract of *Phallusia nigra* Savigny, 1816 on S-180 tumor bearing mice. International Journal of Pharmacological Screening Method. 4(1): 20-25. ISSN: 2249-7749.
12. Meenakshi, V.K., Paripooranaselvi, M., Gomathy, S., Senthamarai, S., Chamundeewari, K.P., and **Sankaravadiyu, S.** 2014. Immunostimulating activities of *Phallusia nigra* Savigny, 1816 on sarcoma-180 tumor-bearing mice. International Journal of Medicinal Chemistry and Analysis. 4(2): 62-69. ISSN: 2249-7587.
13. Shanmugapriya D, Kohila Subathra Christy H, and **Sankaravadiyu, S.** Antimicrobial activity of simple ascidian *Phallusia nigra* World Journal of Pharmaceutical research, 2015: 4(9): 822-827. ISSN: 2277-7103, SJIF Impact Factor: 5.990
14. Shanmugapriya D, Kohila Subathra Christy H, **Sankaravadiyu, S** and Stella Packiam. Antidiabetic activity of the ethanolic extract of a simple ascidism *Phallusia nigra* World Journal of Pharmaceutical research, 2015: 4(11):1557-1563. ISSN: 2277-7103, SJIF Impact Factor: 5.990

15. Shanmugapriya D, Kohila Subathra Christy H, **Sankaravadivu, S** and Stella Packiam.C. Antioxidant activity of the simple ascidian *Phallusia nigra* of Thoothukudi coast. International Journal of Pharmaceutical Chemistry, 2015:410-412. ISSN: 2249-734X.
16. Shanmugapriya D, Kohila Subathra Christy H, and Sankaravadivu, S. Hepatoprotective activity of ethanol extracts of *Phallusia nigra* against CCl₄ induced hepatotoxicity in rats. World Journal of Pharmaceutical research, 2015: 5(1):648-655. ISSN: 2277-7103, SJIF Impact Factor: 5.990.
17. Shanmugapriya D, **Sankaravadivu, S** and Kohila Subathra Christy H. Determination of Heavy metal in a simple ascidian *Phallusia nigra* by Atomic Absorption Spectroscopy. European Journal of Pharmaceutical and Medical Research, 2016: 3(4):189-190. ISSN: 2294-3211, SJIF Impact Factor: 3.628.
18. Shanmugapriya D, **Sankaravadivu, S** and Kohila Subathra Christy H. Qualitative and Quantitative estimations of chemical constituents in a simple ascidian *Phallusia nigra* World Journal of Pharmaceutical Research, 2016: 6(2):1492-1497. ISSN: 2277-7106, SJIF Impact Factor: 5.990
19. Shanmugapriya D, **Sankaravadivu, S** and Kohila Subathra Christy H. Antioxidant activity of a colonial ascidian *Eudistoma viride* using DPPH method. European Journal of Pharmaceutical and Medical Research, 2016: 3(8):427 -429.

Awards and Recognition

-  Best Paper award for cyclic voltammetric studies of simple ascidian *Phallusia nigra* in International Conference on “Recent Advancements in IT, Science & Engineering” organized by IFERP on 20.12.2018 & 21.12.2018.

Books published

“Indian Women status”, a chapter given on the book Let Equality Flourish. 2019

Other Activities

- Member of Research guidance cell in A.P.C.Mahalaxmi College for Women, Thoothukudi.
- Reviewer in journal of Applied Pharmaceutical Sciences