

CURRICULUM VITAE

Dr. E. Sanmuga Priya

Professor

Department of Pharmaceutical Technology
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➤ **Research Area:**

- Isolation and identification of bioactive fractions and lead molecules from medicinal plants under antiarthritic, antidiabetic and antimicrobial categories.
- Identification of the role of DAMPs related to various inflammatory disorders to develop anti-inflammatory products.

➤ <u>Educational Qualifications:</u> Qualification	College/University	Year of completion	Percentage	Class
Ph.D. (Pharmacy/ Pharmacology)	Dr. ALM PG Institute of Basic Medical Sciences, University of Madras, Taramani - 600 113, Chennai.	2006	-	-
M. Pharm (Pharmaceutical Chemistry)	Banaras Hindu University, Varanasi- 221005, Uttar pradesh, India.	2001	95.70%	First Class with Distinction
B. Pharm (Pharmacy)	Tamilnadu Dr. M.G.R. Medical University, Chennai.	1999	80.40%	First class (Gold Medalist)

Experience: (chronological order)

Name of Company / Institutions	Designation of Post	From	To	Experience in Year
University College of Engineering, Bharathidasan Institute of Technology campus, Anna University, Tiruchirappalli	Professor	September 2015	Till date	9 years
University College of Engineering, Bharathidasan Institute of Technology campus, Anna University, Tiruchirappalli	Associate Professor	September 2012	September 2015	3 years
University College of Engineering, Bharathidasan Institute of Technology campus, Anna University, Tiruchirappalli	Assistant Professor	September 2009	September 2012	3 years
C.L. Baid Metha College of Pharmacy, Thorapakkam, Chennai	Assistant Professor	February 2008	August 2009	1 year 6 months
Amrutanjan Limited, Chennai	Scientist A	July 2005	January 2008	2 year 6 months
Total years of Experience				19 years

1. Awards / Honours Received:

1. Best Oral presentation award received for presenting a research paper entitled “Investigating the critical role of S100A8 and S100A9 proteins in the pathogenesis of rheumatoid arthritis in the complete freund’s adjuvant-induced arthritis model” in IPSCON 2023 held at SRM Institute of Science and Technology, Kattankulathur during 14-16 Dec.2023.
2. University Nominee - Member – Academic Council – Nehru Institute of Engineering and Technology, Coimbatore (2023-2026).
3. University Nominee - Member - Board of Studies – Faculty of Technology, Sengunthar Engineering College, Tiruchengode (2023-2025).
4. Research Projects Evaluation Expert – SERB, New Delhi.
5. Expert visiting committee (EVC) member (2019-2020) – AICTE, New Delhi.
6. PhD Viva Examiner, SRIHER, Chennai, NIFTEM, Thanjavur, Bharathidasan University, Tiruchirappalli, Manipal College of Pharmaceutical sciences, Manipal, Karnataka.

7. Doctoral committee member – University College of Engineering, Anna University BIT campus, Tiruchirappalli; Anna University Chennai; Bharathidasan University, Trichy; SRMIST, Kattankulathur; Alagappa University, Karaikudi; Shri Venkateshwara College of Engineering, Chennai; Bannari Amman Institute of Technology, Sathyamangalam.
8. Question paper setter – Anna University Chennai; Bharathidasan University, Paavai Engineering College, Namakkal, Dhanalakshmi Srinivasan College of Engineering and Technology, Perambalur. Sengunthar Engineering College, Tiruchengode.
9. “Certificate of merit” awarded to the research paper “E. Sanmuga Priya, P. Senthamil Selvan, and P. Prakash. HPTLC method development and validation for simultaneous analysis of Emodin and Chrysophanol in Cassia tora Linn methanolic extract. Journal of Liquid Chromatography and Related Technologies, 36:18, 2525-2533, 2013 by Dr.P.D.Sethi Annual award – 2013.
10. Recipient of SIRI Research Award for the paper entitled “Antistress activity of Justicidin-E an aryl naphthalide lignan from Justicia prostrata Gamble” awarded by Indian Association of Biomedical Scientists, 2001.
11. Recipient of “IDMA G.P. Nair award” for ranking - I in the T.N Dr. M.G.R Medical University, 1999.
12. Honoured with a Gold Medal by The T.N. IDMA for securing highest percentage of marks in final B.Pharm examination, 2000.
13. Honoured by Pallavan Pharmacy College with a Gold Medal for securing highest mark in B. Pharm examinations, 2000.
14. Recipient of “Sevaratna Dr. R.Venkatesalu Gold medal” and “Prof. E. Venugopal Endowment” for securing highest percentage of marks in B.Pharm Examinations in the T.N. Dr. M.G.R Medical University, 1999.
15. Recipient of “Prof. M.L. Khorana Medal” for securing highest percentage of marks in final B.Pharm examinations (awarded by Indian Pharmaceutical Association (IPA, Mumbai), 1999.

2. Additional / Academic Responsibilities at University:

1. Department NBA Coordinator Dec 2020- Dec 2023.
2. Chief Superintendent – Distance education examinations, Anna University BIT Campus, Tiruchirappalli– Aug-Sep 2022 (30.01.2023-17.02.2023).
3. Coordinator – Health center – since 15.07.2013 to 20.02.2023
4. Coordinator – B.Tech Pharmaceutical Technology- Curriculum & syllabus revision CBCS 2017.
5. Anti ragging Proctorial committee member (APC member) from 01.08.2013 – Aug 2014
6. Department TEQIP coordinator from 2013- 2017.
7. Acted as Physical verification officer for various departments.
8. As women welfare cell coordinator - 2010.
9. Anna university Representative (as AUR) – May 2011 examinations.

3. Membership of Scientific and Professional Societies:

1. Life member in Indian Pharmacological Society (LS-850)
2. Life member in Association of Pharmacy Teachers of India (APTI – LM-601)
3. Life member in Indian Pharmacy Graduates association (IPGA-1311).
4. Life member in Indian association of Biomedical scientists (IABMS-1129/2014).
5. Life member in Tamilnadu Pharmacy council (4504A1)

4. Fellowships and Grants received:

1. Qualified in GATE-99 with 96.77 percentile score (National Level Exam)
2. Recipient of UGC fellowship for M.Pharm through Gate 99 (1999-2001).
3. Recipient of fellowship in the category “Research fellow” sponsored by “Clarity salts Pvt Ltd, Mumbai” through UICIC, University of Madras in the project entitled “Chemical, Pharmacological and Toxicological studies on Saindavalavana” 16th Sep 2002- Oct 2003 (13 months)
4. Recipient of fellowship in the category “Research Associate” in the Project entitled “Biochemical, Pharmacological, and Toxicological studies on Biourah's Vilvam juice” sponsored by “Rumi herbal research Institute” through UICIC, University of Madras.16-12-2003 to 1-6-2004 (6 months).

Grants Received For International Visits

S.No.	Event details	Name of the funding agency
1.	The IUPHAR world conference on pharmacology of natural and traditional medicine 2015 during 22-24 th July 2015 at National University of Singapore, Republic of Singapore	SERB, New Delhi
		CICS, Chennai

➤ Completed PG/UG Projects:

- a. Number of PG Projects Completed: **M.Pharm** – 07; **M.Tech** – 05.
- b. Number of UG Project Completed: **B.Tech** - 27

➤ **Funds received for student Projects (Role : Mentor)**

S.No	Students Name	Title of the Project	Scheme	Amount in Rupees	Year	Status
1.	Jayasurya K	Anthocyanin rich fraction loaded Ag-si formulation as a potent antimicrobial agent	TNSCST students project	7500	2023-2024	Completed
2.	N.Tamil Selvan	Nanofibers reinforced bioplastic with biochar modified chitosan - cellulose	MSME IDEA HACKATHON 2.0 (Ref.NO.IDEATN00 9315)	12,00,000	2023-2025	Ongoing
3.	S.Dheveash, A.Mohammed Navas Khan	Evaluation of Decolourisation efficiency of Phosphoric acid Treated Water Hyacinth on Textile Dyes and Effluents	TEQIP-II Students Project Scheme	10,000.00	2016	Completed
4.	Nathiya M, Sabari Srinivasan G, Vinodhini V	Evaluation of Antibacterial action of Rosmarinic acid and its synergistic effects with antibiotics against <i>Staphylococcus aureus</i> and methicillin resistant <i>Staphylococcus aureus</i>	TEQIP-II Students Project Scheme	10,000.00	2015	Completed

➤ **Research Guidance (M.S/Ph.D.) (Completed):**

Sl. No	Name of the scholar	Title of the thesis	Year of registration	Date of viva voce
1.	S.Aswini	Immunomodulating Effect of Phenolic acid bound Arabinoxylans (PCA-AXs) derived from Different Millets	2016	05.08.2020

➤ **Research Guidance (M.S/Ph.D.) (Ongoing):**

Sl. No	Name of the scholar	Tentative Title of the thesis	Year of registration	Status
1.	E.Thamizharasi	Experimental validation on possible interactions of <i>Alpinia calcarata</i> Roscoe phytoconstituents towards the molecular targets of rheumatoid arthritis	2017	Synopsis Submitted
2.	S.Aswini	Experimental validation of siddha formulations used in the treatment of osteoarthritis	2023	Ongoing

➤ **Sponsored Research Projects:**

Sl.No	Name of the project	Funding agency	Project value (Rs.)	Duration	Status	Role
1.	Harnessing phenolic acid bound arabinoxylans from kodo millet as potent immunoregulatory dietary supplement	Chief minister Research Grant, Tamil Nadu	34,12,500	2025-2028	Ongoing	PI
2.	Identification of S100 proteins binding distinct DAMP receptors	ICMR, New Delhi, GoI	23.35 lakhs	2022 – 2024	Ongoing	PI

	and its activated signaling pathways that cause formation of NLRP3 inflammasome – development of specific S100 inhibitors					
3.	Amelioration of hydrolysable tannin fraction from <i>Terminalia chebula</i> fruits as potent antirheumatic agent	SERB, New Delhi, GoI	26.93 lakhs	2015-2018	Completed	PI

➤ **Publications:**

a. Books / book chapters:

1. Aarthi T, Jegadeshwari B, Saraswathy S. D, Sivasakthi P, Senthamil Selvan P and **Sanmuga Priya E**, The Role of Interleukin-17 (IL-17) - A Critical mediator of inflammatory arthritis. In: Advances in Health and Disease, Vol. 78, Ed: Lowell T. Duncan, 2024, Nova Science Publishers Inc., New York, ISBN: 979-8-89113-382-2.
2. Senthamil Selvan, P., **Sanmuga Priya, E**, Sivasakthi, P. (2023). Neohesperidin: Biosynthesis, ADME, Biological and Pharmacological Activities. In: Xiao, J. (eds) Handbook of Dietary Flavonoids. Springer, Cham. https://doi.org/10.1007/978-3-030-94753-8_33-1
3. **Sanmuga Priya E.**, Senthamil Selvan P, Sivasakthi P. (2023). Galangin: Advances on Resources, Biosynthesis Pathway, Bioavailability, Bioactivity, and Pharmacology. In: Xiao, J. (eds) Handbook of Dietary Flavonoids. Springer, Cham. https://doi.org/10.1007/978-3-030-94753-8_10-1
4. **E. Sanmuga Priya**, P. Senthamil Selvan, E. Thamizharasi. Ch: Biochemistry of Type 2 diabetes mellitus. Phytotherapy in the Management of Diabetes and Hypertension Volume 3. Bentham Science Publishers. Editor: Mohamed Eddouks, 2020, ISBN: 978-981-14-5913-9 (Online), DOI:10.2174/97898114591391200301. Page No. 1-37.
5. **E. Sanmuga Priya**, P. Senthamil Selvan, R. Durgalakshmi, Dhevash S, Mohammad Navas Khan A “New Approach of dye Removal in Textile Effluent: A cost effective management for cleanup of toxic dyes in textile effluent by Water hyacinth” on the book series “Toxicity and Biodegradation testing” published by Springer

Science+Business Media LLC, located at 233 Spring Street New York, NY 10013. USA. 2018, ISBN No.978-1-4939-7424-5; ISSN 1557-2153.

6. **E.Sanmuga Priya, P.** Senthamil Selvan. Phytoremediation of Heavy Metals by *Catharanthus Roseus* Linn. Vol. 11: Soil Pollution and Phytoremediation. Publisher: Studium press LLC. USA, Chief editors: Prof. Bhola R Gurjar, IIT Roorkee., 12 Vols Series on Environmental Science and Engineering. 2017. ISBN No. 10:1-62699-099-9
7. **E. Sanmuga Priya, P.** Senthamil Selvan, Syed Arshad Aakhil. Monograph on *Eugenia jambolana*. Lam. Phytotherapy in the Management of diabetes and hypertension – Vol 2. Bentham Science publishers, 2015; 213-234. ISBN: 978-1-68108-162-5 Editor: Mohamed Eddouks
8. P.Senthamil Selvan, **E. Sanmuga Priya**, Dhanam T. Monograph on *Coccinia indica* Wight and Arn. Phytotherapy in the Management of diabetes and hypertension – Vol 2. Bentham Science publishers 2015; 235-257. ISBN: 978-1-68108-162-5, Editor: Mohamed Eddouks
9. **E. Sanmuga Priya, P.** Senthamil Selvan. "Discovery of Novel Lead Molecules from Plant Sources" Vol.7: Drug Discovery. Biotechnology. Publisher: Studium press LLC. USA, Chapter 1, pp.1- 42, 2014, ISBN of series: 1-62699-015-8 and ISBN of volume: 1-62699-022-0. Editors: K.K.Bhutani and J.N.Govil.

b. International Journals:

1. Sivasakthi Paramasivam, Janaranjani Murugesan, Hemamalini Vedagiri, Senthamil Selvan Perumal, **Sanmuga Priya Ekambaram**. Virtual Probing on the Influence of Ca^{2+} and Zn^{2+} Bound S100A8 and S100A9 Proteins Towards their Interaction Against Pattern Recognition Receptors Aggravating Rheumatoid Arthritis. Cell Biochemistry and Biophysics. 2024, DOI: 10.1007/s12013-024-01600-6. (IF:1.8)
2. Sivasakthi Paramasivam, Senthamil Selvan Perumal, **Sanmuga Priya Ekambaram**, S100A8 and S100A9 – Critical mediators of inflammation in arthritis. Current proteomics, 2024. (IF:0.5)
3. **Sanmuga Priya Ekambaram**, Sivasakthi Paramasivam, Senthamil Selvan Perumal, & Saraswathy Sundara Dakshinamurthy. *Rosmarinus officinalis* L.: A Source of Potential Antimicrobial Agents for Combating Antimicrobial Resistance. Letters in Applied Nanobioscience, 13(1), 2024, 45, <https://doi.org/10.33263/LIANBS131.045>
4. Paramasivam Sivasakthi, Perumal Senthamil Selvan, & **Ekambaram Sanmuga Priya**. Computational Deciphering of the Role of S100A8 and S100A9 Proteins and Their Changes in the Structure Assembly Influences Their Interaction with TLR4, RAGE, and CD36. *Protein J* (2024). <https://doi.org/10.1007/s10930-024-10186-0>. (IF: 3.0).
5. Jegadeshwari B, Thenmozhi K, **Sanmuga Priya E** & Saraswathy SD. An Overview on the Ethnopharmacological, Nutritional, and Phytochemical Perspectives of *Elaeocarpus floribundus* Blume. *Curr. Pharmacol. Rep.* 9, 377–389 (2023). <https://doi.org/10.1007/s40495-023-00329-9>.
6. Sakthivel, P., Sakthivel, I., Paramasivam, S., Perumal, S. S., & **Ekambaram, S. P.** (2023). Underpinning Endogeneous Damp EDA-Fibronectin in the Activation of Molecular Targets of Rheumatoid Arthritis and Identification of its Effective Inhibitors

- by Computational Methods. *Applied biochemistry and biotechnology*, 10.1007/s12010-023-04451-8. <https://doi.org/10.1007/s12010-023-04451-8> (IF: 3.0)
7. Vigneshwaran, S., Maharani, K., Sivasakthi, P., Senthamil Selvan, P., Saraswathy, S. D., & **Sanmuga Priya, E.** (2023). Bioactive fraction of *Tragia involucrata* Linn leaves attenuates inflammation in Freund's complete adjuvant-induced arthritis in Wistar albino rats via inhibiting NF- κ B. *Inflammopharmacology*, 31(2), 967–981. <https://doi.org/10.1007/s10787-023-01154-8> (IF: 5.8)
 8. Premnath Sakthivel, Indrajith Sakthivel, Senthamil Selvan Perumal, **Sanmuga Priya Ekambaram.** (2023). The Role of Fibronectin and its Isoforms in the Pathogenesis and Progression of Rheumatoid Arthritis: A Review. *Biointerface Research in Applied chemistry*. 13 (4), 341. <https://doi.org/10.33263/BRIAC134.341>
 9. **Ekambaram, S. P.**, Aruldas, J., Srinivasan, A., & Erusappan, T. (2022). Modulation of NF- κ B and MAPK signalling pathways by hydrolysable tannin fraction from *Terminalia chebula* fruits contributes to its anti-inflammatory action in RAW 264.7 cells. *The Journal of pharmacy and pharmacology*, 74(5), 718–729. <https://doi.org/10.1093/jpp/rgab178> (IF: 3.7)
 10. Erusappan, T., Paramasivam, S., & **Ekambaram, S. P.** (2022). Identification of galangin as the bioactive compound from *Alpinia calcarata* (Haw.) Roscoe rhizomes to inhibit IRAK-1/ MAPK/ NF- κ B p65 and JAK-1 signaling in LPS stimulated RAW 264.7 cells. *Journal of ethnopharmacology*, 288, 114975. <https://doi.org/10.1016/j.jep.2022.114975> (IF: 5.4)
 11. Erusappan, T., Kondapuram, S. K., **Ekambaram, S. P.**, & Coumar, M. S. (2021). Investigation of *Alpinia calcarata* constituent interactions with molecular targets of rheumatoid arthritis: docking, molecular dynamics, and network approach. *Journal of molecular modeling*, 27(1), 14. <https://doi.org/10.1007/s00894-020-04651-7> (IF: 2.2)
 12. Srinivasan, A., Aruldas, J., Perumal, S. S., & **Ekambaram, S. P.** (2021). Phenolic acid bound arabinoxylans extracted from Little and Kodo millets modulate immune system mediators and pathways in RAW 264.7 cells. *Journal of food biochemistry*, 45(1), e13563. <https://doi.org/10.1111/jfbc.13563> (IF: 4.0)
 13. Sivasakthi, P., **Sanmuga Priya, E.**, & Senthamil Selvan, P. (2021). Molecular insights into phytochemicals exhibiting anti-arthritic activity: systematic review: John Di Battista. *Inflammation research: official journal of the European Histamine Research Society ... [et al.]*, 70(6), 665–685. <https://doi.org/10.1007/s00011-021-01471-0> (IF:3.174)
 14. Aswini S, **Sanmuga Priya E**, Senthamil Selvan P. (2021). Plant polysaccharides –An insight into its Immunostimulatory properties. *Bioactive Carbohydrates and Dietary fiber* 25, 100244. <https://doi.org/10.1016/j.bcdf.2020.100244>
 15. Srinivasan, A., **Ekambaram, S. P.**, Perumal, S. S., Aruldas, J., & Erusappan, T. (2020). Chemical characterization and immunostimulatory activity of phenolic acid

- bound arabinoxylans derived from foxtail and barnyard millets. *Journal of food biochemistry*, 44(2), e13116. <https://doi.org/10.1111/jfbc.13116> (IF: 4.0)
16. **Ekambaram, S. P.**, Perumal, S. S., Erusappan, T., & Srinivasan, A. (2020). Hydrolysable tannin-rich fraction from *Terminalia chebula* Retz. fruits ameliorates collagen-induced arthritis in BALB/c mice. *Inflammopharmacology*, 28(1), 275–287. <https://doi.org/10.1007/s10787-019-00629-x> (IF: 5.8)
 17. **Ekambaram, S. P.**, Babu, K. B., Perumal, S. S., & Rajendran, D. (2018). Repeated oral dose toxicity study on hydrolysable tannin rich fraction isolated from fruit pericarps of *Terminalia chebula* Retz in Wistar albino rats. *Regulatory toxicology and pharmacology : RTP*, 92, 182–188. <https://doi.org/10.1016/j.yrtph.2017.12.001> (IF: 3.4)
 18. **Sanmuga Priya, E.**, Senthamil Selvan, P., & Ajay, B. (2018). Tannin rich fraction from *Terminalia chebula* fruits as Anti-inflammatory agent. *Journal of Herbs, Spices and Medicinal Plants*, 24(1). <https://doi.org/10.1080/10496475.2017.1399953>
 19. **Ekambaram, S. P.**, Perumal, S. S., & Pavadai, S. (2017). Anti-inflammatory effect of *Naravelia zeylanica* DC via suppression of inflammatory mediators in carrageenan-induced abdominal oedema in zebrafish model. *Inflammopharmacology*, 25(1), 147–158. <https://doi.org/10.1007/s10787-016-0303-2> (IF: 5.8)
 20. **Ekambaram, S. P.**, Perumal, S. S., & Balakrishnan, A. (2016). Scope of Hydrolysable Tannins as Possible Antimicrobial Agent. *Phytotherapy research : PTR*, 30(7), 1035–1045. <https://doi.org/10.1002/ptr.5616> (IF: 2.66)
 21. **Ekambaram, S. P.**, Perumal, S. S., Balakrishnan, A., Marappan, N., Gajendran, S. S., & Viswanathan, V. (2016). Antibacterial synergy between rosmarinic acid and antibiotics against methicillin-resistant *Staphylococcus aureus*. *Journal of intercultural ethnopharmacology*, 5(4), 358–363. <https://doi.org/10.5455/jice.20160906035020>
 22. Perumal, S. S., **Ekambaram, S. P.**, & Dhanam, T. (2017). In vivo antiarthritic activity of the ethanol extracts of stem bark and seeds of *Calophyllum inophyllum* in Freund's complete adjuvant induced arthritis. *Pharmaceutical biology*, 55(1), 1330–1336. <https://doi.org/10.1080/13880209.2016.1226346> (IF: 3.8)
 23. **Priya, E. S.**, Selvan, P. S., & Yavanarajan, A. (2015). Chemotypic variation in clove oil and lemongrass oil obtained from three different geographical locations of India. *J Pharmacogn Nat Prod*, 1(102), 2472–0992. <https://dx.doi.org/10.4172/2472-0992.1000102> (IF: 1.52)
 24. **Sanmuga Priya Ekambaram**, Senthamil Selvan Perumal, Umayal Annamalai (2016). Decolorization and biodegradation of remazol reactive dyes by *Clostridium* species. 3 *Biotech*, 6(1), 20. <https://doi.org/10.1007/s13205-015-0335-0> (IF: 2.8)
 25. **Sanmuga Priya, E.**, Senthamil Selvan, P., & K. Marudhupandian (2015). Comparative analysis of isoflavone and protein content in different varieties of *Glycine max* (L.) Merrill. *JPC–Journal of Planar Chromatography–Modern TLC*, 28, 48–53. <https://doi.org/10.1556/JPC.28.2015.1.8> (IF: 0.96)

26. **Sanmuga Priya, E.**, Senthamil Selvan, P., (2017). Water hyacinth (*Eichhornia crassipes*)—An efficient and economic adsorbent for textile effluent treatment—A review. *Arabian Journal of Chemistry*, 10, S3548-S3558. <https://doi.org/10.1016/j.arabjc.2014.03.002> (IF: 2.26)
27. Moorthy, P., **Ekambaram, S. P.**, & Perumal, S. S. (2014). Synthesis, characterization and antimicrobial evaluation of imidazolyl thiazolidinedione derivatives. *Arabian journal of chemistry*, 12(3), 413-419. <https://doi.org/10.1016/j.arabjc.2014.08.010> (IF: 3.613)
28. Perumal SS, **Ekambaram SP**, Raja S. Analytical method development and validation of simultaneous estimation of rabeprazole, pantoprazole, and itopride by reverse-phase high-performance liquid chromatography. *J Food Drug Anal.* 2014 Dec;22(4):520-526. <https://doi.org/10.1016%2Fj.jfda.2014.05.003> (IF: 1.98)
29. **Sanmuga Priya, E.**, Senthamil Selvan, P., & Umayal, A. N. (2015). Biodegradation studies on dye effluent and selective remazol dyes by indigenous bacterial species through spectral characterisation. *Desalination and Water Treatment*, 55(1), 241-251. <https://doi.org/10.1080/19443994.2014.913999> (IF: 1.272)
30. **E.Sanmuga Priya.**, P.Senthamil Selvan., & P. P. Prakash, (2013). HPTLC method development and validation for simultaneous analysis of Emodin and Chrysophanol in *Cassia tora* Linn methanolic extract. *Journal of Liquid Chromatography & Related Technologies*, 36(18), 2525-2533. <https://doi.org/10.1080/10826076.2012.723087> (IF : 0.884)
31. **E. Sanmuga Priya**, P. Senthamil Selvan and R. Tamilselvan, 2012. Phytochemical Investigation of *Allophylus serratus* Kurz Leaves by UV and GC-MS Analysis. *Research Journal of Phytochemistry*, 6: 17-24. DOI:10.3923/rjphyto.2012.17.24.
32. **Ekambaram, S. P.**, Perumal, S. S., & Subramanian, V. (2011). Strychnos potatorum Linn Seed Extract Enhances Lysosomal Membrane Stability and Collagen Formation in Freund's Complete Adjuvant-Induced Arthritic Rats. *Journal of herbs, spices & medicinal plants*, 17(4), 392-402. <https://doi.org/10.1080/10496475.2011.632115>
33. Rajavel A, **Sanmuga Priya. E**, Senthamil Selvan. P, Rajagopal K, Durga Mallikarjuna Rao. (2011). Stability indicating method development and validation for the determination of Lacidipine in tablets. *International Research Journal of Pharmacy*. 2(5), 157-161
34. **Ekambaram, S. P.**, Perumal, S. S., & Subramanian, V. (2011). Assessment of the in-vivo and in-vitro antioxidant potential of Strychnos potatorum Linn. seeds in Freund's adjuvant induced arthritic rats. *Journal of Medicinal Plants Research*, 5(19), 4780-4787.
35. **E. Sanmuga priya**, P. Senthamil selvan, S. Venkataraman. (2010). Evaluation of antiarthritic activity of *Strychnos potatorum* Linn seeds in Freund's adjuvant induced arthritic rat model. *BMC- Complementary and Alternative medicine*, 10:56. <https://doi.org/10.1186/1472-6882-10-56> (IF: 2.94)

36. Deepika, K. B., **Priya, E. S.**, Murali, K., & Kumar, N. R. (2010). Synthesis of various sulphonamide-linked fluoroquinolones as antibacterial agents. *Asian Journal of Chemistry*, 22(6), 4363. (IF: 0.20)
37. **Sanmuga Priya E** and Venkataraman S. (2010). Pharmacognostical and Phytochemical Studies of *Strychnos potatorum* Linn Seeds. **PHCOG J.**, 2(7), 190-197.
38. **Sanmuga Priya E** and Venkataraman S. (2010). Antinociceptive and Antipyretic Effects of *Strychnos potatorum* Linn seeds on Experimental Rats. *International Journal of Pharmacology*. 6, 1-5. <https://doi.org/10.3923/ijp.2010.681.685>
39. **Sanmugapriya, E.**, & Venkataraman, S. (2006). Studies on hepatoprotective and antioxidant actions of *Strychnos potatorum* Linn. seeds on CCl₄-induced acute hepatic injury in experimental rats. *Journal of ethnopharmacology*, 105(1-2), 154–160. <https://doi.org/10.1016/j.jep.2005.10.028> (IF: 2.70)
40. **Sanmugapriya, E.**, & Venkataraman, S. (2007). Antiulcerogenic potential of *Strychnos potatorum* Linn seeds on aspirin plus pyloric ligation-induced ulcers in experimental rats. *Phytomedicine: international journal of phytotherapy and phytopharmacology*, 14(5), 360–365. <https://doi.org/10.1016/j.phymed.2006.12.025> (IF:2.33)
41. **Sanmugapriya, E.**, & Venkataraman, S. (2006). Toxicological investigations on *Strychnos potatorum* Linn seeds in experimental animal models. *Journal of health science*, 52(4), 339-343. (IF: 0.75)
42. **E. Sanmuga priya, S.Venkataraman. (2007).** Anti-inflammatory effect of *Strychnos potatorum* seeds on acute and sub-acute inflammation in experimental rat models. *Pharmaceutical biology* 45(6), 435-439. <https://doi.org/10.1080/13880200701388922> (IF:1.206)
43. Chandra Shekhar Joshi and **Ekambaram Sanmuga Priya.** (2007). B Glucuronidase Inhibitory Effect of Phenolic Constituents from *Phyllanthus amarus*. *Pharmaceutical biology* 45(5), 363-365. <https://doi.org/10.1080/13880200701214706> (IF: 1.206)
44. Joshi, C. S., Priya, E. S., & Venkataraman, S. (2007). Acute and subacute toxicity studies on the polyherbal antidiabetic formulation Diakyur in experimental animal models. *Journal of health science*, 53(2), 245-249. <https://doi.org/10.1248/jhs.53.245> (IF: 0.754)
45. **Sanmugapriya, E.**, Shanmugasundaram, P., & Venkataraman, S. (2005). Anti-inflammatory activity of *Justicia prostrata* gamble in acute and sub-acute models of inflammation. *Inflammopharmacology*, 13(5-6),493–500. <https://doi.org/10.1163/156856005774649313>
46. **Sanmuga priya. E.** Shanmugasundaram.P and Venkataraman.S. (2003). Antinociceptive effect of aqueous and alcoholic extracts of *Justicia prostrata* Gamble. *Biomedicine*, 23 (1 & 2). 113-117.
47. Shanmugasundaram.P, **Sanmuga priya. E** and Venkataraman.S. **(2003).** Toxicity studies on *Hygrophila auriculata* (S chum) Heine in rats with respect to biochemical and haematological parameters. *Biomedicine*, 23 (1&2), 61-65.

c. National Journals:

1. **E.Sanmuga Priya.**, P.Senthamil Selvan., & A. Syed Arshad. (2018). Analysis of in vitro and in silico anti-hyperglycaemic action of bioflavonoids isolated from different citrus peels. *Current science*, 115(10), 1928-1937. (IF: 1.16)
2. Selvan, P. S., & **Priya, E. S.** (2015). Determination of ethanol content in ayurvedic formulations kumaryasava and mustakarista by gas chromatography. *Indian journal of pharmaceutical sciences*, 77(1), 120–125. <https://doi.org/10.4103/0250-474x.151600> (IF: 0.76)
3. **Sanmugapriya, E.**, Shanmugasundaram, P., & Venkataraman, S. (2005). Antiulcerogenic effect of *Justicia prostrata* Gamble. *Indian journal of experimental biology*, 43(2), 181–186. (IF: 0.599)

➤ **List of Seminar / Short Term Course /FDP/ Workshop organized:**

1. Webinar on “Preclinical safety evaluation of herbal products” on 25.07.2020 Resource person: Dr.S.Gopumadhavan, Principal Scientist, Himalaya Drug Co., Bengaluru-
Coordinator
2. TEQIP II sponsored Faculty Development Programme – New perspectives in drug Discovery and Progressive Technological Developments NPDPTD 2015 during 4th May – 17th May, 2015 – **Coordinator.**
3. “Health Awareness Programme for teaching and non-teaching staffs” on 27.02.2015 as **Health Center coordinator.**
4. “International women’s day”- March 8, 2010 – **Women welfare cell coordinator.**
5. “Recent trends and applications of Nanotechnology in Pharmacy and Biology” by Department of Pharmaceutical Technology, Anna University of Technology, Tiruchirappalli on 21st and 22nd January 2010- **Co convener.**

➤ **List of Seminar / Short Term Course /FDP/ Workshop attended:**

1. Participated National Level Online Faculty Development Program (e-FDP) organized by the School of Pharmacy, P P Savani University, Kosamba, Surat district, Gujarat, India. “Harnessing Artificial Intelligence (AI) to Revolutionize Pharmaceutical Education and Research” 5th to 9th of August, 2024.
2. Participated and completed AICTE sponsored five days online FDP SI on Universal Human values (UHV) from 11.04.2022 to 15.04.2022.
3. Participated and completed AICTE -Training and Learning (ATAL) Academy Online Elementary FDP on "Recent trends, advancements and opportunities in phytochemical research and development" from 06.12.2021 to 10.12.2021 organized by Dr. D. Y. Patil Institute of Pharmaceutical Sciences & Research, Pimpri, Pune.

4. Participated and completed AICTE -Training and Learning (ATAL) Academy Online Elementary FDP on "Revisiting different facets of medicinal chemistry" from 05.07.2021 to 09.07.2021 organized by Bombay College of Pharmacy.
5. Participated and presented a research paper in an Online "International symposium on Phytochemicals in Medicine and food" 5- ISPMF 2021 in the title "Antiarthritic potential of hydrolysable tannin fraction isolated from Terminalia chebula fruits in collagen induced BALB/c mice" during 25th Aug – 1st Sep. 2021 organised by Nanchang University, China.
6. Participated and presented a research paper in an Online "International symposium on Phytochemicals in Medicine and food" ISPMF 2020 in the title "Experimental validation of the immunomodulatory potential of Indian Traditional Millets" on 30th Nov' 2020.
7. Participated & presented a research paper in an Online International conference on "Holistic Approach to Immunity to microbial diseases and their treatment- HMDT 2020" held during 12-13th September, 2020
8. International conference on Biosciences and Bioinformatics ICBB 2017 organized by Bharathiar University, Coimbatore during Dec 14-16, 2017.
9. TEQIP-II sponsored two weeks faculty development programme on "Frontiers Research in Applied Sciences" organized by Department of Chemistry, Anna University BIT Campus, during June 3-16, 2015.
10. TEQIP-II sponsored two weeks faculty development programme on "Comprehensive approaches in biotechnological applications" organized by Department of Biotechnology, Anna University BIT Campus, during April 16-29, 2015.
11. TEQIP sponsored One-week faculty development programme on "Multidisciplinary perspectives for pharmaceutical, life science educators and researchers" conducted by Department of Pharmaceutical Technology, Anna University BIT Campus, during 09.12.2013- 15.12.2013.
12. Three days International conference and exhibition on "Pharmacognosy, Phytochemistry and Natural products" held on October 21-23, 2013 in Radisson Blu Plaza Hotel, Hyderabad, India organized by OMICS Publishing group, USA.
13. TEQIP sponsored three days workshop on "Good governance and Academic excellence" – Aug 29 to 31, 2013. – Organized by Cresys Technologies, Bangalore.
14. DBT sponsored one day workshop on "How to write an effective grant proposal" – Nov.22, 2011. NCBS, Bangalore.
15. Seminar on "Solution for current analytical challenges" conducted by M/s Waters (India) Pvt Ltd., Bangalore on 26th May 2011 at Hotel Breeze Residency, Tiruchirappalli.
16. UGC sponsored 5 days workshop on "Capacity Building in Women Managers" – 15th to 19th March, 2010. Department of Women studies, BDU, Tiruchirappalli.
17. Attended training course on "High performance Thin layer Chromatography" from 15-12.2004- 17-12-2004 conducted by Anchrome enterprises (I) P. ltd., Mumbai.

➤ **National / International Conferences organized / Participated:**

Organized

1. TEQIP II sponsored International conference on “Trends and Innovations in Chemical and Pharmaceutical Technologies” TICPT 2017 during 2-4 February 2017. – **Organizing Secretary.**

Participated

1. Participated 45th Annual Conference of the Indian Association of Biomedical Scientists, AJ Institute of medical Sciences and Research center, Mangalore, Karnataka, 7-9th Nov., 2024.
2. Presented a poster paper entitled “*In silico* screening of phytoconstituents present in the *Clerodendrum phlomidis* Linn leaf against the novel molecular targets of Osteoarthritis” Vidhyaa G and Sanmuga Priya E in “National Conference on Multiomics & structural Biology in Redefining Therapeutics MOTIF 2024”, Dept. of Bioinformatics, Bharathiar University, Coimbatore during 24th March, 2024.
3. Presented a poster paper entitled “Virtual assessment of Hecogenin as a multitargeted anti osteoarthritic agent inhibiting the degrading enzymes of endogenous lubricants” Neha, Libika and E.Sanmuga Priya “National Conference on Multiomics & structural Biology in Redefining Therapeutics MOTIF 2024”, Dept. of Bioinformatics, Bharathiar University, Coimbatore during 24th March, 2024.
4. Participated and presented a research paper entitled “Investigating the critical role of S100A8 and S100A9 proteins in the pathogenesis of rheumatoid arthritis in the complete freund’s adjuvant-induced arthritis model” in IPSCON 2023 held at SRM Institute of Science and Technology, Kattankulathur during 14-16 Dec. 2023.
5. Participated in a “National Conference on the role of phytochemicals in futuristic developments as smart materials” held during 8th to 9th of Dec.2023 organized by Department of Chemistry, College of Engineering, Anna University, Chennai.
6. Participated and presented a research paper in an Online “5th International symposium on Phytochemicals in Medicine and food” 5- ISPMF 2021 in the title Antiarthritic potential of Hydrolysable tannin fraction isolated from Terminalia chebula fruits in collagen induced BALB/c mice” during Aug 25-31, 2021.
7. Participated and presented a research paper in an Online “International symposium on Phytochemicals in Medicine and food” ISPMF 2020 in the title “Experimental validation of the immunomodulatory potential of Indian Traditional Millets” on 30th Nov’ 2020.
8. Presented a poster paper on “Evaluation of minimum inhibitory concentration for tannin rich fraction (TRF) obtained from Terminalia chebula against MRSA using modified resazurin based microtitre plate method. Monissha S, Subhashini K,

Senthamil Selvan P, Sanmuga Priya E. “International Conference on Antimicrobial Resistance organized by SASTRA University, Thanjavur, Tamilnadu during 19-20, January, 2018.

9. Presented oral paper on “In vitro anti-inflammatory activity and immunomodulatory effect of terpenoids rich fraction of *Alpinia calcarata* rhizomes”, Aswini Srinivasan, Vedhanayagi Sakthivel, Senthamil Selvan Perumal, Sanmuga Priya Ekambaram*, Two days “National Seminar on Cancer Immunology and Immunotherapy”, sponsored by Indian Immunology Society & Immunology Foundation, New Delhi, organized by Department of Zoology, Saiva Bhanu Kshatriya College, Aruppukkotai, Tamilnadu on 21-22, September 2017.
10. Presented a poster entitled “Identification of bioactive fraction from *Alpinia calcarata* rhizome extract with respect to its immune stimulatory properties”, Thamizharasi Erusappan, Senthamil Selvan Perumal, Sanmuga Priya Ekambaram*, Two days “National Seminar on Cancer Immunology and Immunotherapy”, sponsored by Indian Immunology Society & Immunology Foundation, New Delhi, organized by Department of Zoology, Saiva Bhanu Kshatriya College, Aruppukkotai, Tamilnadu on 21-22 September 2017.
11. Presented a poster entitled “New approach of toxicity reduction in textile effluent – A cost effective management for cleanup of toxic dyes in textile effluent by water hyacinth” Dhevash S, Mohammad Navas Khan A, Durgalakshmi Rajendran, Sanmuga Priya Ekambaram*. International conference on Trends and Innovations in Chemical and Pharmaceutical Technologies TICPT 2017 organized by Anna University BIT campus, Tiruchirappalli on 2-4 Feb, 2017.
12. Presented an invited paper on “Synergistic antibacterial effect of phytochemicals with antibiotics against Methicillin resistant *Staphylococcus aureus* (MRSA)” in 36th Annual conference of Indian Association of Biomedical scientists during 18th – 20th December, 2015 organized by Dept. of Biotechnology, School of life sciences, Pondicherry University, Puducherry- 605 014.
13. Presented a poster entitled “Synergistic effect of Rosmarinic acid with antibiotics against *Staphylococcus aureus* and MRSA” Sanmuga Priya E, Nathiya M, Vinodhini V, Sabari srinivasan G, Ajay B. in The IUPHAR world conference on pharmacology of natural and traditional medicine 2015., NUS, Republic of Singapore. July 22-24, 2015.
14. Presented a paper (oral) entitled “Standardization techniques involved in the estimation of soy isoflavones from *Glycine max* L.Merill.” E.Sanmuga Priya in International conference and exhibition on “Pharmacognosy, Phytochemistry and Natural products” held on October 21-23, 2013 in Radisson Blu Plaza Hotel, Hyderabad, India organized by OMICS publishing group, USA.
15. Presented a paper (Poster) entitled “Hypoglycemic and antidiabetic activities of Diakyur a polyherbal formulation in experimental animals” Joshi C.S., Sanmuga Priya E, at Bangalore Bio 2006, Bangalore, 2006.

16. Presented a paper (Oral) entitled "Hypoglycemic and antidiabetic effect of Diakyur a polyherbal formulation in experimental animals". Sanmuga priya E. at International conference on drug development from medicinal plants –Issues and Problems, C.L. Baid Metha college of Pharmacy, 2005.
17. Presented a Paper (Poster) entitled "Antinociceptive activity of Aqueous and Alcoholic extracts of Justicia prostrata Gamble" Shanmugasundaram.P, Sanmuga priya. E and Venkataraman. S at 24th Indian Association of Biomedical Scientists, Delhi, 2003.
18. Presented a Paper (Oral) entitled "Anti- ulcer activity of Rock Salt (Saindavalavana)" Shanmugasundaram.P, Sanmuga priya. E. and Venkataraman at Southern Regional Conference of Indian Pharmacological Society, 2003.
19. Presented a Paper (Poster) entitled "In vitro antioxidant activity of some medicinal plants" Vidya. D, Saravanan.S, Sanmuga priya. E, Shanmugasundaram.P and Venkataraman.S at 24th Indian Association of Biomedical Scientists, New Delhi, 2003.
20. Presented a Paper (Poster) entitled "A comparative in vitro antioxidant activity of certain medicinal plants using Ferric thiocyanate and Thiobarbiturate methods" Saravanan.S, Vidya. D, Sanmuga priya. E, Shanmugasundaram.P and Venkataraman.S. at 24th Indian Association of Biomedical Scientists, 2003.
21. Presented a Paper (Oral) entitled "Anti - inflammatory activity of aqueous and alcoholic extracts of Justicia prostrata" at the Southern regional Conference of Pharmacologists, Tirupathi, 2003.
22. Presented a Paper (Poster) entitled "Antiulcer activity of aqueous and alcoholic extracts of Justicia prostrata Gamble" at 24th Indian Association of Biomedical Scientists, Delhi, 2003.
23. Presented a Paper (Oral) entitled "Isopropyl bromide - A chemical agent to induce Bone Marrow depression in Experimental rats" at 23rd Indian Association of Biomedical Scientists, Pondicherry, 2002.
24. Presented a Paper (Poster) entitled "Anti- tumour activity of Rhinacanthone on Dalton's Ascitic Lymphoma" at 52nd Indian Pharmaceutical Congress, Hyderabad, 2001.
25. Presented a Paper (Oral) entitled "Antistress activity of Justicidin- E an aryl naphthalide lignan from Justicia prostrata" at 22nd Indian Association of Biomedical Scientists, Chennai, 2001.

➤ **Professional recognitions:** (details like chairperson/member of a committee, reviewer, editor ...etc)

1. **Guest editor** - Special issue on "Trends and Innovations in Chemical and Pharmaceutical Technologies 2017" in European Journal of Pharmaceutical Sciences – Elsevier publications, Vol. 116, April 2018.
2. **Editorial Board** - BMC Complimentary Medicine and Therapies.
3. **Journal Reviewer:**
 - Journal of Pharmaceutical and Biomedical analysis
 - GENE

- Current research in food science
- Biocatalysis and Agricultural biotechnology
- Journal of food biochemistry
- Journal of cereal science
- Journal of the science of food and agriculture
- Journal of Ayurveda and Integrative Medicine
- BMC Complementary and Alternative Medicine
- Phytochemical analysis
- Spectroscopy letters
- Pharmaceutical biology
- Journal of Pharmacy and Pharmacology
- Medicinal Chemistry Research
- Drug research
- J AOAC International
- International Journal of Phytoremediation
- Bioremediation Journal
- Journal of Chinese Integrative medicine
- Journal of Medicinal Plants Research
- Indian Journal of Pharmacology

(A) Chairperson for conferences / Seminar / Technical symposia:

1. Chairperson – National Conference on Chemical, Biological and Medical sciences NCCBMS-23 held on 07.03.2023 at PG Research Dept. of Biochemistry, Thanthai Periyar Govt Arts and Science College, Trichy.
2. Chairperson for invited talk in Online International conference “Holistic Approach to Immunity to microbial diseases and their treatment- HMDT 2020” held during 12-13th September 2020.
3. Poster presentation Judge - International conference on Biosciences and Bioinformatics, ICBB 2017 organized by Bharathiar University during Dec 14-16, 2017.
4. Chairperson for Oral presentation in 5th Annual International Convention of Association of Pharmacy Professionals held on 22nd and 23rd January 2016.

(B) Guest lectures delivered:

1. Guest lecture on “Scope of Pharmaceutical technology” at Sengunthar Engineering College, Tiruchengode on 25.02.2025.
2. Invited lecture “Mechanistic insights into S100A8 and S100A9 proteins and pattern recognition receptors in rheumatoid arthritis pathogenesis via integrative computational, *in vitro* and *in vivo* approaches” 45th Annual Conference of the Indian

Association of Biomedical Scientists, AJ Institute of medical Sciences and Research center, Mangalore, Karnataka, 7-9th Nov., 2024.

3. Invited talk on “Interactions of bioactive flavonoids of *Alpinia calcarata* Roscoe rhizomes with molecular targets of inflammation.” 6th International Symposium on Phytochemicals in Medicine and Food (6-ISPMF) August 05 – 13, 2022, Hangzhou, China.
4. Invited talk on “Chemical characterization and therapeutic validation of *Terminalia chebula* Retz fruit pericarps” in Online International conference “Holistic Approach to Immunity to microbial diseases and their treatment- HMDT 2020” held during 12-13th September, 2020.
5. Invited talk on “Therapeutic properties of hydrolysable tannins containing medicinal plants” in a webinar organized by “Apollo College of Pharmacy” Chennai on 28.08.2020.
6. Delivered an invited lecture on “Phenolics bound arabinoxylans of millets could modulate immune system” in 3rd international conference on Emerging trends in millet Technology for health promotion (ICEMT -2020) organized by Department of Nutrition & Dietetics, Periyar University, Salem during 9th & 10th January, 2020.
7. Delivered guest lecture as chief guest in the International Women’s day celebration on the theme “Women the Entrepreneur in Pharmacy era” on the topic “Research opportunities for the budding entrepreneurs in Pharmacy” on 08.03.2019 at Pallavan Pharmacy College, Kanchipuram.
8. Delivered a special talk on “Drug Discovery and Development” in Students Science club BIOMED FUTURA 2018 at Department of Biomedical Science, Bharathidasan University, Tiruchirappalli on Feb 14th, 2018.
9. Delivered an invited paper on “Synergistic antibacterial effect of phytochemicals with antibiotics against Methicillin resistant *Staphylococcus aureus* (MRSA)” in 36th Annual conference of Indian Association of Biomedical scientists during 18th – 20th December, 2015 organized by Dept. of Biotechnology, School of life sciences, Pondicherry University, Puducherry- 605 014.
10. Resource person and delivered talk on “Hands on training in molecular techniques” in the faculty development programme on “New perspectives in Drug discovery and progressive technological developments” conducted by Department of Pharmaceutical Technology, Bharathidasan Institute of Technology, Anna University Tiruchirappalli – 620 024 on May 10th, 2015.
11. Resource person and delivered talk on “FT-IR spectroscopy in Hands on training on sophisticated instruments” organized by Department of Pharmaceutical Technology and National facility for Drug development, Anna University, BIT Campus, Tiruchirappalli during 5th -7th October, 2015.

DECLARATION:

I certify that the information furnished above is correct and true to the best of my knowledge and belief.

A handwritten signature in blue ink, appearing to be 'E. S. T.', is written on a light-colored background.

Signature of the staff member