

## **CURRICULUM VITAE**

### **Dr.P.Senthamil Selvan**

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### **1. Research Area**

- BA/BE Studies.
- Pharmaceutical Analysis.
- Pharmacology of Natural Products.
- Biomedical Engineering.

### **2. Educational Qualifications**

<b>Qualification</b>	<b>Institution/University</b>	<b>Year of Completion</b>
<b>Ph.D.</b>	Jadavpur University, Kolkata, West Bengal.	2008
<b>M.Pharm.</b>	The Tamil Nadu Dr.M.G.R Medical University, Chennai.	2002
<b>B.Pharm.</b>	The Tamil Nadu Dr.M.G.R Medical University, Chennai.	1999

### 3. Experience: (Chronological Order)

Name of Institution	Designation	From	To	Experience in Year
University College of Engineering Tiruchirappalli, Anna University.	Assistant Professor	August 2024	Till date	–
University College of Engineering Ariyalur, Anna University.	Dean (i/c)	May 2022	August 2024	2 Years 3 Months
University College of Engineering Tiruchirappalli, Anna University.	Assistant Professor	August 2009	May 2022	12 Years 9 Months
Nandha College of Pharmacy and Research Institute, Erode.	Assistant Professor	January 2009	August 2009	8 Months
Department of Pharmaceutical Technology, Jadavpur University, Kolkata.	Senior Research Fellow	September 2005	December 2008	3 Years 3 Months
Nandha College of Paramedical Sciences, Erode.	Assistant Professor	September 2004	June 2005	10 Months
Orchid R&D Center, Chennai.	Research Executive	February 2002	August 2004	2 Years 6 Months
<b>Total Experience</b>				<b>22 Years 6 Months</b>

#### 4. Awards/Honours Received

- “Certificate of Merit” awarded to the research paper 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.

#### 5. Additional Academic/Administrative Responsibilities at University

- Dean – University College of Engineering Ariyalur, Anna University – May 2022 August 2024.
- Placement Coordinator – January 2020 to December 2021.
- Coordinator – Laboratory Equipment Maintenance and Service - January 2020 to December 2021.
- Sports Coordinator – January 2014 to December 2021.
- Member NBA Coordination Committee July 2013 to January 2018.
- Coordinator – International Centre for Research Facilitation and Training October 2016 to August 2021.

#### 6. Membership of Scientific and Professional Societies

- The Indian Science Congress Association.
- The Association of Pharmaceutical Teachers of India.
- The Indian Pharmaceutical Association.
- Tamil Nadu Pharmacy Council.

#### 7. Fellowships and Grants Received

- **Senior Research Fellowship (SRF)** - Department of Science and Technology (DST) by Ministry of Science and Technology, Govt. of India, New Delhi.
- **Senior Research Fellowship (SRF)** – Indian Council of Medical Research (ICMR) by Ministry of Health and Family Welfare, Govt. of India, New Delhi.

#### 8. Completed UG/PG Projects

- Number of UG Project Completed: 16
- Number of PG Projects Completed: **M.Pharm:** 04 & **M.Tech:** 04

**9. Funds Received for UG/PG Student Projects**

<b>S.No.</b>	<b>Title of the Project</b>	<b>Scheme</b>	<b>Year</b>	<b>Amount in Rupees</b>	<b>Status</b>
1.	D.Rajaraman R.Venkatesh	TEQIP-II Students Project Scheme	2016	10,000.00	Completed
2.	V. Devendhiran S. Vishnu Priyan	TEQIP-II Students Project Scheme	2015	10,000.00	Completed

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

<b>S. No.</b>	<b>Name of the Scholar</b>	<b>Title of the Thesis</b>	<b>Degree</b>	<b>Year of Award</b>
1.	P.Sivasakthi	Probing for Therapeutic Leads from Natural Sources for the Treatment of Crucial Imminent Non-Communicable Disease.	Ph.D.	Ongoing
2.	M.P.Balasubramanian	Leveraging New Drug Development through Cloud Computing.	Ph.D.	Thesis Submitted
3.	P.Sivasakthi	Oldenlandia umbellata L. promotes osteoblast proliferation and inhibits osteoclastogenesis via inhibiting therapeutic targets of osteoporosis – in	M.S	2024

		silico and in vitro Approaches.		
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### 11. Sponsored Research Projects from Funding Agencies

S. No.	Title	Funding Agency	Amount (Rs.)	Role	Duration	Status
1.	Harnessing phenolic acid bound arabinoxylans from kodo millet as potent immunoregulatory dietary supplement.	Chef minister Research Grant, Tamil Nadu	34.15 Lakhs	Co-PI	2025–28	Sanctioned
2.	Identification of S100 proteins binding distinct DAMP receptors and its activated signaling pathways that cause formation of NLRP3 inflammasome-development of specific S100 inhibitors.	ICMR, New Delhi, Govt. of India.	23.35 Lakhs	Co-PI	2022–24	Completed

## 12. 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, Nova Science Publishers Inc., New York, (**2024**); ISBN: 979-8-89113-382-2.
2. **Selvan P.S**, Priya E.S and Sivasakthi P; Neohesperidin: Biosynthesis, ADME, Biological and Pharmacological Activities. In: Xiao, J. (eds) Handbook of Dietary Flavonoids, Springer, Cham, (**2023**); [https://doi.org/10.1007/978-3-030-94753-8\\_33-1](https://doi.org/10.1007/978-3-030-94753-8_33-1).
3. Ekambaram S.P, **Perumal S.S** and Paramasivam S; Galangin: Advances on Resources, Biosynthesis Pathway, Bioavailability, Bioactivity, and Pharmacology. In: Xiao, J. (eds) Handbook of Dietary Flavonoids, Springer, Cham, (**2023**); [https://doi.org/10.1007/978-3-030-94753-8\\_10-1](https://doi.org/10.1007/978-3-030-94753-8_10-1).
4. E. Sanmuga Priya, **P. Senthamil Selvan** and E. Thamizharasi; Ch: Biochemistry of Type-2 diabetes mellitus; Phytotherapy in the Management of Diabetes and Hypertension, Volume 3, Page No. 1-37, Bentham Science Publishers, Editor: Mohamed Eddouks, (**2020**); ISBN: 978-981-14-5913-9 (Online), DOI: 10.2174/97898114591391200301.
5. E. Sanmuga Priya, **P. Senthamil Selvan**, R. Durgalakshmi, S. Dhevash and A. Mohammad Navas Khan; “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 and **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** and Syed Arshad Aakhil; Monograph on *Eugenia jambolana*. Lam. Phytotherapy in the Management of diabetes and hypertension – Vol 2. Bentham Science publishers, Editor: Mohamed Eddouks, 213-234, (2015); ISBN: 978-1-68108-162-5.
8. **P.Senthamil Selvan**, E. Sanmuga Priya and Dhanam T; Monograph on *Coccinia indica* Wight and Arn. Phytotherapy in the Management of diabetes and hypertension – Vol 2. Bentham Science publishers, Editor: Mohamed Eddouks, 235-257, (2015); ISBN: 978-1-68108-162-5.
9. E.Sanmuga Priya and **P.Senthamil Selvan**; "Discovery of Novel Lead Molecules from Plant Sources" Vol.7: Drug Discovery. Biotechnology. Publisher: Studium press LLC. USA; Editors: K.K.Bhutani and J.N.Govil Chapter-1, pp.1- 42, (2014); ISBN of series: 1-62699-015-8 and ISBN of volume: 1-62699-022-0.

#### **b. International Journals**

1. Sivasakthi Paramasivam, **Senthamil Selvan Perumal** and Sanmuga Priya Ekambaram; S100A8 and S100A9 – Critical mediators of inflammation in arthritis; *Current proteomics*, (22), (2025); DOI: 10.2174/0115701646347924241111071800; (IF: 0.5).
2. Sivasakthi Paramasivam, Janaranjani Murugesan, Hemamalini Vedagiri, **Senthamil Selvan Perumal** and Sanmuga Priya Ekambaram; Virtual Probing on the Influence of Ca<sup>2+</sup> and Zn<sup>2+</sup> 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).
3. Sanmuga Priya Ekambaram, Sivasakthi Paramasivam, **Senthamil Selvan Perumal** and Saraswathy Sundara Dakshinamurthy; *Rosmarinus officinalis* L.: A Source of Potential Antimicrobial Agents for Combating Antimicrobial

- Resistance; *Letters in Applied Nanobioscience*, 13(1), 45 (2024); <https://doi.org/10.33263/LIANBS131.045>.
4. Paramasivam Sivasakthi, **Perumal Senthamil Selvan** and 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; *The Protein Journal*, (43), 243-258, (2024); <https://doi.org/10.1007/s10930-024-10186-0>; (IF: 3.0).
  5. M.P.Balasubramanian and **P.Senthamil Selvan**; A Disease-Specific Text Corpora-Based Automatic Biomedical Document Summarisation for Sustainable Development; *Journal of Environmental Protection and Ecology*, 24(4) 1413–1422 (2023) (IF: 0.692).
  6. Paramasivam S and **Perumal S.S**; Methanolic extract of *O.umbellata* L. exhibits anti-osteoporotic effect via promoting osteoblast proliferation in MG-63 cells and inhibiting osteoclastogenesis in RANKL-stimulated RAW 264.7 cells; *Journal of Ethnopharmacology*, 315; 116641; 1-13 (2023); (IF: 5.195).
  7. Sakthivel P, Sakthivel I, Paramasivam S, **Perumal S.S** and Ekambaram S.P; 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*, 195, 7037-7059, (2023); 10.1007/s12010-023-04451-8; <https://doi.org/10.1007/s12010-023-04451-8> (IF: 3.0).
  8. Vigneshwaran S, Maharani K, Sivasakthi P, **Selvan P.S**, Saraswathy S.D and Priya E.S; Bioactive fraction of *Tragia involucrata* Linn leaves attenuates inflammation in Freund's complete adjuvant-induced arthritis in Wistar albino rats via inhibiting NF-Kb; *Inflammopharmacology*, 31(2) 967–981 (2023); <https://doi.org/10.1007/s10787-023-01154-8> (IF: 5.8).
  9. Premnath Sakthivel, Indrajith Sakthivel, **Senthamil Selvan Perumal** and Sanmuga Priya Ekambaram; 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, (2023); <https://doi.org/10.33263/BRIAC134.341>.
- 10.Srinivasan A, Aruldas J, **Perumal S.S** and Ekambaram S.P; 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 (2021); <https://doi.org/10.1111/jfbc.13563> (IF: 4.0).
  - 11.Sivasakthi P, Sanmuga Priya E and **Senthamil Selvan P**; Molecular insights into phytochemicals exhibiting anti-arthritic activity: Systematic Review: John Di Battista; *Inflammation research: Official Journal of the European Histamine Research Society*, 70(6), 665–685 (2021); <https://doi.org/10.1007/s00011-021-01471-0> (IF:6.986).
  - 12.Aswini S, Sanmuga Priya and **Senthamil Selvan P**; Plant polysaccharides– An insight into its Immunostimulatory properties; Book Review; *Bioactive Carbohydrates and Dietary Fiber*, 25, 100244 (2021); <https://doi.org/10.1016/j.bcdf.2020.100244>.
  - 13.Srinivasan A, Ekambaram S.P, **Perumal S.S**, Aruldas J and Erusappan T; Chemical characterization and immunostimulatory activity of phenolic acid bound arabinoxylans derived from foxtail and barnyard millets; *Journal of food biochemistry*, 44(2), e13116 (2020); <https://doi.org/10.1111/jfbc.13116> (IF: 4.0).
  - 14.Ekambaram S.P, **Perumal S.S**, Erusappan T and Srinivasan A; Hydrolysable tannin-rich fraction from Terminalia chebula Retz. fruits ameliorates collagen-induced arthritis in BALB/c mice; *Inflammopharmacology*, 28(1), 275–287 (2020); <https://doi.org/10.1007/s10787-019-00629-x> (IF: 5.093).
  - 15.Sanmuga Priya E, **Senthamil Selvan P** and Ajay B; Tannin rich fraction from Terminalia chebula fruits as Anti-inflammatory agent; *Journal of Herbs, Spices and Medicinal Plants*, 24(1) (2018); <https://doi.org/10.1080/10496475.2017.1399953>.

16. Ekambaram S.P, Babu K.B, **Perumal S.S** and Rajendran D; 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*, 92, 182–188 (2018); <https://doi.org/10.1016/j.yrtph.2017.12.001> (IF: 3.598).
17. **Perumal S.S**, Ekambaram S.P and Dhanam T; *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 (2017); <https://doi.org/10.1080/13880209.2016.1226346> (IF: 3.889).
18. Ekambaram S.P, **Perumal, S.S** and Pavadai S; 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 (2017); <https://doi.org/10.1007/s10787-016-0303-2> (IF: 5.8).
19. Priya E.S and **Selvan P.S**; Water hyacinth (Eichhornia crassipes)–An efficient and economic adsorbent for textile effluent treatment – A review; *Arabian Journal of Chemistry*, 10, (2017); S3548-S3558. <https://doi.org/10.1016/j.arabjc.2014.03.002> (IF: 2.26).
20. Ekambaram S.P, **Perumal S.S** and Balakrishnan A; Scope of Hydrolysable Tannins as Possible Antimicrobial Agent; A review; *Phytotherapy Research*, 30(7), 1035–1045 (2016); <https://doi.org/10.1002/ptr.5616> (IF: 2.66).
21. Ekambaram S.P, **Perumal S.S**, Balakrishnan A, Marappan N, Gajendran S.S and Viswanathan V; Antibacterial synergy between rosmarinic acid and antibiotics against methicillin-resistant *Staphylococcus aureus*; *Journal of intercultural ethnopharmacology*, 5(4), 358–363 (2016); <https://doi.org/10.5455/jice.20160906035020>.
22. Ekambaram S.P, **Perumal S.S** and Annamalai U; Decolorization and biodegradation of remazol reactive dyes by Clostridium species; *3 Biotech*, 6 (1), 20 (2016); <https://doi.org/10.1007/s13205-015-0335-0> (IF: 2.8).

23. Priya E.S, **Selvan P.S** and Marudhupandian K; 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 (2015); <https://doi.org/10.1556/JPC.28.2015.1.8> (IF: 1.088).
24. Priya E.S, **Selvan P.S** and Yavanarajan A; Chemotypic variation in clove oil and lemongrass oil obtained from three different geographical locations of India; *J Pharmacogn Nat Prod*, 1(102), 2472-0992 (2015); <https://dx.doi.org/10.4172/2472-0992.1000102> (IF: 1.52).
25. Moorthy P, Ekambaram S.P and **Perumal S.S**; Synthesis, characterization and antimicrobial evaluation of imidazolyl thiazolidinedione derivatives; *Arabian journal of chemistry*, 12(3), 413-419 (2014); <https://doi.org/10.1016/j.arabjc.2014.08.010> (IF: 3.613).
26. **Perumal S.S**, Ekambaram S.P and Raja S; Analytical method development and validation of simultaneous estimation of rabeprazole, pantoprazole, and itopride by reverse-phase high-performance liquid chromatography; *Journal of Food and Drug Analysis*, 22(4), 520-526 (2014); <https://doi.org/10.1016%2Fj.jfda.2014.05.003> (IF: 6.157).
27. Sanmuga Priya E, **Senthamil Selvan P** and Umayal A.N; Biodegradation studies on dye effluent and selective remazol dyes by indigenous bacterial species through spectral characterisation; *Desalination and Water Treatment*, 55(1), 241-251, (2015); <https://doi.org/10.1080/19443994.2014.913999> (IF: 1.272).
28. Priya E.S, **Selvan P.S** and Prakash P.P; 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 (2013); <https://doi.org/10.1080/10826076.2012.723087> (IF: 1.467).
29. E. Sanmuga Priya, **P. Senthamil Selvan** and R. Tamilselvan; Phytochemical Investigation of *Allophylus serratus* Kurz Leaves by UV and GC-MS

- Analysis; *Research Journal of Phytochemistry*, 6, 17-24 (2012); DOI:10.3923/rjphyto.2012.17.24.
30. Ekambaram S.P, **Perumal S.S** and Subramanian V; 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, (2011); <https://doi.org/10.1080/10496475.2011.632115>.
  31. Rajavel A, Sanmuga Priya E, **Senthamil Selvan P**, Rajagopal K and Durga Mallikarjuna Rao; Stability indicating method development and validation for the determination of Lacidipine in tablets; *International Research Journal of Pharmacy*, 2(5) 157-161 (2011).
  32. Ekambaram S.P, **Perumal S.S** and Subramanian V; 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 (2011).
  33. E. Sanmuga priya, **P. Senthamil Selvan** and S. Venkataraman; Evaluation of antiarthritic activity of Strychnos potatorum Linn seeds in Freund's adjuvant induced arthritic rat model; *BMC-Complementary and Alternative medicine*, 10:56, (2010); <https://doi.org/10.1186/1472-6882-10-56> (IF: 2.94).
  34. A.Puratchikody, A.Umamaheswari, P.Sudhakar, **P.Senthamil Selvan** and S.M.M.Rahman; Synthesis and validation of RP-HPLC method for the indole hydroxyhexanamide as potential histone deacetylase inhibitor; *Journal of Pharmacy and Pharmacology*, 62(10); 1212-1213 (2010); ISSN: 0022-3573. (IF: 3.765).
  35. **P. Senthamil Selvan** and T.K. Pal; Chromatography-mass spectrometry method for the Quantitation of metoprolol succinate and simvastatin in human blood plasma; *Journal of Pharmaceutical and Biomedical Analysis*; 49(3), 780-785 (2009); <https://doi.org/10.1016/j.jpba.2008.12.031> (IF: 3.571).

36. Uttam Bhaumik, Animesh Ghosh, Amlan Kanti Sarkar, Anirbandeep Bose, **P.Senthamil Selvan**, Pinaki Sengupta, Uday Sankar Chakraborty, Debotri Ghosh and Tapan Kumar Pal; Determination of ranolazine in human plasma by LC-MS/MS and its application in bioequivalence study; *Journal of Pharmaceutical and Biomedical Analysis*; 48 (5), 1404-1410 (**2008**); <https://doi.org/10.1016/j.jpba.2008.09.033> (**IF: 3.571**).
37. K.V.Gowda, D.S.Rajan, U.Mandal, **P.Senthamil Selvan**, W.D.Sam Solomon, A.Bose, A.K.Sarkar, T.K.Chattaraj and T.K.Pal; Evaluation of bioequivalence of two formulations containing 100 mg of Aceclofenac; *Drug Development & Industrial Pharmacy*, 32(10), 1219-1225 (**2008**); <https://doi.org/10.1080/03639040600608805> (**IF: 3.727**).
38. Amlan Kanti Sarkar, Debotri Ghosh, Ayan Das, **P.Senthamil Selvan**, K.Veeran Gowda, Uttam Mandal, Anirbandeep Bose, Sangeeta Agarwal, Uttam Bhaumik and T.K.Pal; Simultaneous determination of metoprolol succinate and amlodipine besylate in human plasma by liquid chromatography tandem mass spectrometry method and its application in bioequivalence study; *Journal of Chromatography B: Biomedical Sciences and Applications*, 873 (1), 77-85 (**2008**); <https://doi.org/10.1016/j.jchromb.2008.07.040>; (**IF: 3.318**).
39. U.Mandal, Veeran K.Gowda, A.Ghosh, **P.Senthamil Selvan**, W.D.Sam Solomon and T.K.Pal; Development of Dissolution Medium for Glipizide; *Asian Journal of Chemistry*, 20(4), 2651-2656 (**2008**); ISSN: 0970-7077; (**IF: 1.68**).
40. W.D.Sam Solomon, **P.Senthamil Selvan**, K.Veeran Gowda, U.Mandal and T.K.Pal; Evaluation of bioequivalence of two formulations containing 200 mg of Ketoconazole; *Asian Journal of Chemistry*, 19 (7), 5365-5371 (**2008**) (**IF: 1.68**).
41. K.Veeran Gowda, U.Mandal, **P.Senthamil Selvan**, W.D.Sam Solomon, A.Ghosh, A.K.Sarkar, S.Agarwal, T.N.Rao and T.K.Pal; Liquid chromatography tandem mass spectrometry method for simultaneous

- determination of metoprolol tartrate and ramipril in human plasma; *Journal of Chromatography B: Biomedical Sciences and Applications*, 858 (1-2), 13-21 (2007); <https://doi.org/10.1016/j.jchromb.2007.07.047> (IF: 3.318).
42. **P.Senthamil Selvan**, K.Veeran Gowda, U.Mandal, W.D.Sam Solomon, T.K.Pal; Determination of Duloxetine in human plasma by liquid chromatography with atmospheric pressure ionization tandem mass spectrometry and its application to pharmacokinetic study; *Journal of Chromatography B: Biomedical Sciences and Applications*, 858(1-2), 269-275; ISSN: 0378-4347 (2007) <https://doi.org/10.1016/j.jchromb.2007.09.002> (IF: 3.318).
43. **P.Senthamil Selvan**, K.Veeran Gowda, U.Mandal, W.D.Sam Solomon, T.K.Pal; Simultaneous determination of fixed dose combination of Nebivolol and Valsartan in human plasma by liquid chromatography tandem mass spectrometry and its application to pharmacokinetic study; *Journal of Chromatography B: Biomedical Sciences and Applications*, 858(1-2), 143-150 (2007); ISSN: 0378-4347; <https://doi.org/10.1016/j.jchromb.2007.08.016> (IF: 3.318).
44. Sangita Agarwal, WD.Sam Solomon, K.Veeran Gowda, **P.Senthamil Selvan**, Debotri Ghosh, AmlanKanti Sarkar, Tapas Kumar Chattaraj and Tapan Kumar Pal; Bioequivalence study of a fixed dose combination of nitazoxanide and ofloxacin in Indian healthy volunteers; *Arzneimittelforschung*, 57(10), 679-83 (2007); <https://doi.org/10.1055/s-0031-1296667> (IF: 2.2).
45. Uttam Mandal, Veeran Gowda, Animesh Ghosh, **Senthamil Selvan Perumal**, Sam Solomon and Tapan Kumar Pal; Formulation and Optimization of Sustained Release Matrix Tablet of Metformin HCl 500 mg Using Response Surface Methodology; *Yakugaku Zasshi*, 127(8), 1281-90 (2007); ISSN: 0031-6903; <https://doi.org/10.1248/yakushi.127.1281> (IF: 0.314).

46. K. Veeran Gowda, D.S. Rajan, U. Mandal, **P. Senthamil Selvan**, W.D. Sam Solomon, A. Bose, A.K. Sarkar, T.K. Chattaraj and T.K. Pal; Bioequivalence study of fixed dose combination of Atorvastatin/Ezetimibe tablet in healthy volunteers by LC-MS/MS method; *Asian Journal of Chemistry*, 19(2), 1293 - 1300 (2007); ISSN: 0970-7077 (IF: 1.68).
47. **P. Senthamil Selvan**, R. Gopinath, V.S. Saravanan, N. Gopal, A. Saravana Kumar and K. Periyasamy; Simultaneous Estimation of Paracetamol and Aceclofenac in Combined Dosage Forms by RP-HPLC Method; *Asian Journal of Chemistry*, 19(2), 1004-1010 (2007); ISSN: 0970-7077 (IF: 1.68).
48. **P. Senthamil Selvan**, R. Gopinath, V.S. Saravanan and K. Periyasamy; Simultaneous Estimation of Paracetamol and Valdecoxib in Combined Dosage Forms by RP-HPLC Method; *Asian Journal of Chemistry*, 19(2) 1011-1016 (2007); ISSN: 0970-7077 (IF: 1.68).
49. V.S. Saravanan, **P. Senthamil Selvan**, N. Gopal and Jayanta Kumar Gupta; Synthesis and pharmacological evaluation of some indonone-3-acetic acid derivatives; *Asian Journal of Chemistry*, 18(4) 2597-2604 (2006); ISSN: 0970-7077, (IF: 1.68).
50. **P. Senthamil Selvan**, R. Gopinath, V.S. Saravanan and N. Gopal; Simultaneous Estimation of Levocetirizine, Ambroxol, Phenylpropanolamine and Paracetamol in Combined Dosage Forms by RP-HPLC Method; *Asian Journal of Chemistry*, 18(4) 2591-2596 (2006); ISSN: 0970-7077, (IF: 1.68).
51. V.S. Saravanan, **P. Senthamil Selvan**, N. Gopal, Biplap De and Jayanta Kumar Gupta; Synthesis and antibacterial activity of some 4-substituted 2-phenyl oxazole-5-(4H) one derivatives; *Asian Journal of Chemistry*, 18(4) 2511-2514 (2006); ISSN: 0970-7077, (IF: 1.68).
52. **P. Senthamil Selvan**, R. Gopinath, V.S. Saravanan and N. Gopal; Simultaneous Estimation of Tizanidine and Valdecoxib in Combined Dosage Forms by RP-HPLC Method; *Asian Journal of Chemistry*, 18(4) 2505-2510 (2006); ISSN: 0970-7077, (IF: 1.68).

53. Sampath Saravanan, **Perumal Senthamil Selvan**, Natesan Gopal, Jayanta Kumar Gupta and Biplap De; Synthesis and Antibacterial Activity of Some Imidazole-5- (4H) one Derivatives; *Archiv der Pharmazie*, 338(10) 488-492 (2005); ISSN: 0365-6233; <https://doi.org/10.1002/ardp.200400944>, (IF: 4.613).

#### **c. National Journals**

1. Priya E.S, **Selvan P.S** and Arshad A.S; Analysis of in vitro and in silico anti-hyperglycaemic action of bioflavonoids isolated from different citrus peels; *Current Science*, 115(10), 1928-1937 (2018) (IF: 1.169).
2. **Senthamil Selvan P** and Sanmuga Priya E; Determination of ethanol content in ayurvedic formulations *kumaryasava* and *mustakarista* by gas chromatography; *Indian Journal of Pharmaceutical Sciences*, 77(1), 120-125. (2015); <https://doi.org/10.4103/0250-474x.151600> (IF: 0.97).

#### **13. 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 4<sup>th</sup> May – 17<sup>th</sup> May 2015 – Coordinator.

#### **14. List of Seminar/Short Term Course/FDP/ Workshop Attended**

1. Participated in STTP on “Pharmaceutical Applications of Chemical Engineering – 2024” (PHACE - 2024) organized by Department of Chemical Engineering, Sardar Vallabhbhai National Institute of Technology, Surat, Gujarat during 1<sup>st</sup> – 5<sup>th</sup> July 2024.
2. Participated in the “UGC-Sponsored Online Refresher Course in Material Science (Interdisciplinary) organized by UGC-Human Resource Development



Centre, Bharathidasan University, Tiruchirappalli from 05.07.2022 to 18.07.2022.

3. Participated and completed three weeks Industrial Training on Communication and networking Technologies organized by Rajiv Gandhi Telecom Training Centre (RGMTTC), BSNL Tamil Nadu Telecom Circle at BSNL Trichy on 30.06.2020 to 20.07.2020.
4. Attended an International Webinar series on Recent Advance in Biomaterials and Biosciences (RABB-2020) organized by Department of Analytical Chemistry, University of Madras, Guindy Campus, Chennai and sponsored by Abinnovus consulting private Limited-India society for biomaterials and artificial organs India (SBAOI), Chennai on 27.07.2020 to 31.07.2020.
5. Participated and completed an UGC sponsored Refresher course in Educational Technology (Multidisciplinary) organized by UGC-Human Resource Development Centre Bharathidasan University, Tiruchirappalli from 06.12.2019 to 19.12.2019.
6. TEQIP sponsored faculty development program on Advanced Technologies for Societal Applications (ATSA'16) held from 06.06.2016 TO 19.06.2016 organized by Department of Petrochemical Technology, Anna University, BIT Campus, Tiruchirappalli.
7. Participated in the workshop on “Strategic Development Quality by Design” organized by Department of Pharmaceutics, Faculty of Pharmacy, Sri Ramachandra University, Chennai on 12.03.2016.
8. TEQIP – II sponsored Two Weeks FDP on Advanced Research in Materials for Engineering and Technological Applications (ARMETA-2015), 17-07-2015 to 30-07-2015 organized by Department of Physics, Anna University, BIT Campus, Tiruchirappalli.
9. TEQIP – II sponsored FDP on Thermal Engineering Applications for Sustainable Improvement (TEASI'15) from 15.06.2015 to 28.06.2015, Organized by Department of Mechanical Engineering Anna University, BIT Campus, Tiruchirappalli - 620 024.

10. TEQIP – II Sponsored FDP on Multidisciplinary Perspectives for Pharmaceutical, Life – Sciences Educators and Researchers from 09.12.2013 to 15.12.2013 organized at Department of Pharmaceutical Technology, Anna University BIT Campus, Tiruchirappalli – 620 024.

### **15. National/International Conferences Organized/Participated**

1. Participated in the “National Conference on Regenerative Medicine – 2024” jointly organized by Mothercell Regenerative Centre (MCRC), Trichy and Department of Biotechnology, Microbiology & Bioinformatics, National College (Autonomous), Trichy, during 19 September 2024.
2. Participated in the workshop on “PRP & Stem Cell Isolation under NCRM-2024” jointly organized by Mothercell Regenerative Centre (MCRC), Trichy and Department of Biotechnology, Microbiology & Bioinformatics, National College (Autonomous), Trichy, during 18 September 2024.
3. Participated in All India Seminar on “Fog Computing Using Industry 5.0” organized by The Institution of Engineers (India), Tiruchirappalli Local Centre in association with University College of Engineering, BIT-Campus, Tiruchirappalli during 23<sup>rd</sup> August 2024.
4. Participated in One-Day Training Programme on “Importance of Accreditation in Academic Institutions” organized by the Internal Quality Assurance Cell (IQAC) & Centre for Constituent Colleges, Anna University, Chennai during 06.07.2024.
5. Participated in “One Day Awareness Workshop on Intellectual Property Rights & Innovation – 2022 (IPR-2022) conducted by Centre for Intellectual Property Rights (CIPR), Anna University, Chennai during 16.09.2022.
6. Participated in 2<sup>nd</sup> National Conference on “*Regenerative Medicine & Stem cell Research*” on 6<sup>th</sup> – 7<sup>th</sup> April 2018 held at Dhanalakshmi Srinivasan Medical College & Hospital, Perambalur.

7. Participated in a “National Symposium on Regenerative Medicine – Are stem cells a Magic bullet?” held on 3<sup>rd</sup> June 2017 at Dhanalakshmi Srinivasan Medical College & Hospital, Perambalur.
8. Attended the National workshop on “Good Clinical practices, Bioethics & Conference on Strategies in Conducting Clinical Trials” on 24<sup>th</sup> and 25<sup>th</sup> March 2017 organized by the Institutional Ethical Committee (Human Studies), Dhanalakshmi Srinivasan Medical College & Hospital, Perambalur.
9. Presented a paper on the topic “Calophyllum Inophyllum – Its potential as in vivo antiarthritic agent in the conference “Phytochemicals as Biotherapeutics – Unraveling the mystery of Natural Products (HERBESCON 2016) at Department of Biomedical Sciences, Sri Ramachandra University, Chennai from 17.02.2016 to 18.02.2016.
10. Participated in the National conference on “Sustainable Institute Industry Partnership” on 25.08.2014 to 26.08.2014 at IIT Madras, Chennai organized by SEED (Society for Educational and Entrepreneurship Development Chennai).

**(A) Guest Lectures Delivered**

1. Invited lecture on a webinar in the topic “Preclinical Drug Development – Challenges Ahead” organized by GRID Health Care Partners Pvt Ltd from 21.05.2021 to 21.05.2021.
2. Invited lecture on Current Aspects of Drug Discovery and Development at the Department of Chemistry, Anna University, BIT Campus, Tiruchirappalli on 29.07.2016.
3. Invited lecture on the topic “Preclinical studies on Medicinal Plants – To develop novel anti-arthritis agent” Department of Chemistry, Anna University, BIT Campus, Tiruchirappalli on 28.07.2016.
4. Invited lecture on the topic “Fourier Transform – infrared Spectroscopy; Instrumentation and Application in Pharmaceuticals” in the Department of Physics, University College of Engineering, BIT Campus, Anna University, Tiruchirappalli on 22.07.2016.

5. Invited lecture on the topic “UV/Visible Spectroscopy Instrumentation and Application in Pharmaceuticals” in the Department of Physics, University College of Engineering, BIT Campus, Anna University, Tiruchirappalli on 22.07.2016
6. Hands on training on Sophisticated Instruments – Department of Pharmaceutical Technology, National Facility for Drug Development, University College of Engineering, BIT Campus, Anna University, Tiruchirappalli.
7. Invited talk on the topic “Current trends in Standardization of Herbal Medicine and Supplements using Modern Analytical Techniques” in the Department of Pharmaceutical Technology, University College of Engineering, BIT Campus, Anna University, Tiruchirappalli on 09.05.2015.

**(B) Chairperson for Conferences/Seminar/Technical Symposia**

1. Chief Guest – Convocation on 12.10.2023 at Government ITI Andimadam, Ariyalur District.
2. Chief Guest – National Engineer’s Day on 15.09.2023 at Meenakshi Ramaswamy Engineering College, Ariyalur.
3. Chief Guest – National Engineer’s Day on 15.09.2023 at Reddipalayam Cement Works, UltraTech Cements, Aditya Birla Groups, Ariyalur.

**P.Senthamil Selvan**