

1. Name of the Faculty : Dr. A. Madeswaran
2. Qualification : M. Pharm., Ph.D.
3. Faculty ERP ID : P0075
4. Designation : Professor and Head
5. Department : Pharmacology
6. Date of joining : 14-06-2022
7. Official E-Mail ID : madeswaran.a@kcp.edu.in



Work Experience:

S. No.	Professional	Subject	Institutions	University	Month & Year
1.	Professor & Head	Pharmacology	Karpagam College of Pharmacy, Othakalmandapam, Coimbatore	The Tamil Nadu Dr. M.G.R. Medical University, Chennai, Tamil Nadu.	1 Year and 10 months
2.	Professor	Pharmacology	Karpagam College of Pharmacy, Othakalmandapam, Coimbatore	The Tamil Nadu Dr. M.G.R. Medical University, Chennai, Tamil Nadu.	11 months and 18 days
3.	Assistant Professor	Pharmacology	College of Pharmacy, Sri Ramakrishna Paramedical Sciences, Coimbatore	The Tamil Nadu Dr. M.G.R. Medical University, Chennai, Tamil Nadu.	10 Years and 9 months and 11 days

Educational Details:

S. No.	Degree	Subject	College/School	University	Month & Year of Passing
1.	Ph.D	Pharmaceutical Sciences	College of Pharmacy, Sri Ramakrishna Institute of Paramedical Sciences, Coimbatore.	The Tamil Nadu Dr. M.G.R. Medical University, Chennai, Tamil Nadu.	June & 2018
2.	M. Pharm.	Pharmacology	College of Pharmacy, Sri Ramakrishna Institute of Paramedical Sciences, Coimbatore.	The Tamil Nadu Dr. M.G.R. Medical University, Chennai, Tamil Nadu.	May & 2011
3.	B. Pharm.	Pharmacy	J.K.K. Nataraja College of Pharmacy, Komarapalayam. The Tamil Nadu Dr. M.G.R. Medical University, Chennai, Tamil Nadu.	The Tamil Nadu Dr. M.G.R. Medical University, Chennai, Tamil Nadu.	August & 2008

8. Teaching Experience (in years) : 13 years and 7 Months

9. Industrial Experience (in years)	: Nil
10. No. of Publications	: SCI / WoS: 30; Scopus: 30; Peer reviewed: 67
11. No. of Book Publications	: 08
12. No. of Papers Presented in Conferences	: International: Nil; National: 16
13. No. of Guest Lectures Presented in Conferences	: 5
14. No. of Conferences and Workshops Organized	: 5
15. No. of Conference/Seminars attended	: 31
16. No. of Seminar Grant Received	: 2
17. No. of Research Grants / Projects received	: Nil
18. Patents	: Published: 01; Granted: Nil
19. No. of Consultancy services offered	: Nil

Awards

- Served as a **Poster Evaluator** in the **Three Days International Conference** on “Drug Discovery and Development: 4th Dimension Era” during 13.03.2024 to 15.03.2024 at Faculty of Pharmacy, Karpagam Academy of Higher Education, Coimbatore.
- Received **Young Pharmacy Teacher of the Year Award 2024** from **Association of Pharmaceutical Teachers of India Tamil Nadu State Branch** during Annual event held at **The Erode College of Pharmacy, Erode on 09 March 2024**.
- Served as a **Poster Evaluator** in the Two days National conference on **Global Perspective in Pharmaceutics and Pharmacy Practice on 7th & 8th December 2023** at Faculty of Pharmacy, Karpagam Hospital and Medical Research, Coimbatore.
- Received **Best Oral Presenter award** for the research paper entitled “Unwinding the complexities of Diabetic Alzheimer’s disease by certain commercially available terpenoids-An *in silico*, *in vitro* and *in vivo* study” at 9th International Congress of Society for Ethnopharmacology, India (SFEC 2022) held on April 22-24, 2022 in **JSS College of Pharmacy, Mysuru, India**.
- Research paper entitled “Neuroprotective effect of scopoletin against scopolamine induced dementia in mice- An *in silico*, *in vitro* and *in vivo* study” was selected for **Young Ethnopharmacological Award Competition** at 7th International Congress of the Society for Ethnopharmacology, India (SFEC 2020) held on February 15-17, 2020 in **Jamia Hamdard, New Delhi, India**.
- **Third prize** for oral presentation entitled “An exploratory study of evaluation of knowledge and attitude of pharmacy students towards the animal ethics” Presented at International Conference on Bioethics in Health Sciences on Redefining Bioethics in Health Sciences for the Next Century held on 8th to 10th November 2019 at **SRM Medical College Hospital and Research Centre, SRM IST, Chennai**.
- Served as a **staff coordinator** for the Scientific Services Committee, Indian Pharmaceutical Congress for **three consecutive years** from **2013-2015**.
- **Best Paper presenter** for the Poster presentation entitled “*In silico* evaluation of α -amylase inhibitory activity of some commercially available flavonoids”, Presented at **JSS College of Pharmacy, Ooty**, during 16th and 17th August 2013.
- **Second prize** for oral presentation entitled “*In silico* and *in vitro* xanthine oxidase inhibitory activity of commercially available flavonoids”, Presented at **R.V.S. College of Pharmaceutical Sciences, Coimbatore**, during 17th & 18th February 2011.
- **1st Rank holder** in M. Pharmacy in SRIPMS, Coimbatore in 2010.
- **Special Prize** in oratorical contest in Tamil on the University Day and Teachers day Celebrations held at **The Tamil Nadu Dr. M. G. R. Medical University, Chennai**, on 5th September 2010.
- Qualified in **GATE-2009**.
- **Best Outgoing student Gold Medalist** in J.K.K. Nataraja College of Pharmacy (2004 to 2008 batch).

Publications

International Journal: 63

List of International Publications

1. Madeswaran A, Mathivanan V. Chronopharmacology of the fisetin / glimepiride combination in the amelioration of diabetic retinopathy in rat model. *Biologica Nyssana*, 2025; 16(1), 1-10.
2. Madeswaran A, Asokkumar A, Sonia G. Neuroprotective effects of certain flavonoids as a cholinesterase inhibitor for the management of Alzheimer's disease – An *in silico* and *in vitro* study. *Letters in Applied NanoBioScience*, 2025; 14(2), 1-10.
3. Vijayabaskaran M*, Ishfaq S, Madeswaran A. *In silico* molecular docking analysis of some commercially available tannins and evaluation of *in vitro* acetylcholinesterase inhibitory activity of ellagic acid for the management of Alzheimer's disease. *Journal of Technology*, 2025; 13 (1), 742-752.
4. Madeswaran A*, Govindharaj P, Padmasreeni B, Pavithran G, Prasanth M. An assessment of outcome in stroke patients using NIHSS scale –A cross-sectional interventional study in a tertiary care hospital. *YMER*, 2025; 24(2), 36-47.
5. *In silico* evaluation, characterization, and *in vitro* anticancer activity of curcumin–nimbin loaded nanoformulation in HCT-116 cell lines. *BioTechnologia*, 2024; 105 (4), 355–365.
6. Madeswaran A, Lakshmi M, Mohan S. *In vitro* cholinesterase inhibitory activities of Piper betle Stem and their correlation with *in silico* docking studies of its phytoconstituents. *Letters in Drug Design & Discovery*, 2024, 21(6), 1066-1073.
7. Madeswaran, A.; Brahmasundari, S.; Mohan, S.; Parasuraman, P. *In silico* evaluation of some commercially available terpenoids as spike glycoprotein of SARS-CoV-2 – inhibitors using molecular dynamic approach. *Journal of Biomolecular Structure and Dynamics*, 2024, 42, 1072-1078.
8. Madeswaran A, Mohan S, Neuroprotective effects of Terpenoids against streptozotocin-nicotinamide-induced diabetic rats: An *in silico*, *in vitro* and *in vivo* study. *International Journal of Biological Macromolecules* 2023; 247, 125817.
9. Madeswaran A*, Midhuna G.P., *In silico* evaluation of some commercially available flavonoids as Galactofuranoyltransferase-2 inhibitors in the management of tuberculosis, *Letters in Drug Design & Discovery* 2022; 19(9):858-863.
10. Madeswaran A, Brahmasundari S, Midhuna PG. *In silico* molecular docking studies of certain commercially available flavonoids as effective antiviral agents against spike glycoprotein of SARS-CoV-2. *European Reviews for Medical and Pharmacological Sciences*, 2021; 25(21):6741-6744.
11. Madeswaran A, Brahmasundari S. *In silico* pharmacological evaluation of certain commercially available terpenoids as α -amylase inhibitors for the management of diabetes mellitus. *Research & Reviews: Journal of Computational Biology*. 2021; 10(2): 1–9.
12. Madeswaran A, Menon L. *In silico* molecular docking studies of phytoconstituents identified in *Curcuma zedoaria* rosc. on acetylcholinesterase: an enzyme target for anti alzheimer's activity. *Research & Reviews: Journal of Computational Biology*, 2019; 8 (3): 9-14.
13. Madeswaran A. Computational evaluation of certain flavonoids against poly (ADP-Ribose) Polymerase-1 using *in silico* docking studies. *International Journal of Phytopharmacy*, 2019; 9(1): 1-6.
14. Madeswaran A. *In silico* screening of some commercially available alkaloids against angiotensin converting enzyme using Lamarckian genetic algorithm. *Algerian Journal of Natural Products*. 2019; 7(1): 657-662.
15. Madeswaran A, Nivetha R, Bhargav M, Lakshmi M. *In silico* evaluation of inhibitory potential of some commercially available flavonoids against beta-secretase in the management of Alzheimer's Disease. *Research & Reviews: A Journal of Drug Design & Discovery* 2019; 6(2): 30-35.
16. Madeswaran A, Asokkumar K. Combining *in silico* and *in vitro* approaches to evaluate the acetylcholinesterase inhibitory profile of some commercially available flavonoids in the management of Alzheimer's disease. *International Journal of Biological Macromolecules*, 95, 2017; 199-203.
17. Madeswaran A, Dona K, Feroz SS, Fremil J. A Cross Sectional Study of Patients Attitude towards the Knowledge and Rational Use of Antibiotics in South India. *Inventi Rapid: Pharmacy Practice*, 2015(2): 2015; 1-3.
18. A Madeswaran, K Asokkumar. *In silico* Tau Protein Kinase I Inhibitory Activity of Some Commercially Available Flavonoids. *Research & Reviews: A Journal of Drug Design & Discovery*, 2(1), 2015; 6-12.
19. A Madeswaran, K Asokkumar. Evaluation of inhibitory affinity potential of the alkaloids against crystal structure of human angiotensin-converting enzyme using Lamarckian genetic algorithm. *Research and Reviews: Journal of Computational Biology*, 4 (1), 2015; 1-6.
20. Madeswaran A, Asokkumar K. *In silico* docking studies of alpha amylase inhibitory activity of some commercially available flavonoids. *International Journal of Pharmaceutical Chemistry*, 05 (03): 2015; 77-81.

21. Madeswaran A, Anita J, Christy MV, Divia M. A Survey on Patients Attitude towards Patient Counselling in South Indian Patients in Coimbatore District. *Inventi Rapid: Pharmacy Practice*, 2015(2): 2015: 1-3.
22. Madeswaran A, Abhijath M, Achsah RB, Alka T. A cross sectional study of patient's knowledge and attitude towards the drug-drug interactions in Coimbatore district, India. *International Journal of Advances in Scientific Research*, 1(02): 2015; 87-89.
23. Madeswaran A, Asokkumar K. Evaluation of inhibitory affinity potential of the alkaloids against crystal structure of human angiotensin-converting enzyme using Lamarckian genetic algorithm. *Oriental Pharmacy and Experimental Medicine*, 15 (3), 2015; 183-189.
24. Madeswaran A, Umamaheswari M, Asokkumar K, Sivashanmugam T, Subhadradevi V, Jagannath P. Computational drug design of potential α -amylase inhibitors using some commercially available flavonoids. *Bangladesh Journal of Pharmacology*, 9: 2014; 72-76.
25. Madeswaran A, Umamaheswari M, Asokkumar K, Sivashanmugam T, Subhadradevi V, Jagannath P. *In silico* evaluation of α -amylase inhibitory activity of some commercially available flavonoids. *Research & Reviews: Journal of Computational Biology*, 3(1): 2014; 1-5.
26. Madeswaran A, Umamaheswari M, Asokkumar K, Sivashanmugam T, Subhadradevi V, Jagannath P. *In silico* Docking Evaluation of α -Amylase Inhibitory Activity of Butein and Tricetin. *J. Comput. Method. Mol. Design*, 3(1): 2014; 1-5.
27. Madeswaran A*, Asokkumar K, Umamaheswari M, Sivashanmugam T, Subhadradevi V. *In silico* approach for alpha-amylase inhibitory activity of diosmetin and galangin. *International Journal of Phytopharmacy*, 4 (5): 2014; 124-127.
28. Simin SJ, Madeswaran A. A survey of Patient's attitude towards the rational use and knowledge on antibiotics. *Inventi Impact: Pharmacy Practice*, 2014(4): 2014, 109-112.
29. Madeswaran A, Umamaheswari M, Asokkumar K, Sivashanmugam T, Subhadradevi V, Jagannath P. Docking studies: *in silico* cyclooxygenase inhibitory activity of some commercially available flavonoids. *Inventi Impact: Molecular modelling*, 2: 2013; 1-4.
30. Madeswaran A, Umamaheswari M, Asokkumar K, Sivashanmugam T, Subhadradevi V, Jagannath P. Docking studies of aldose reductase inhibitory activity of commercially available flavonoids. *International Journal of Biomedical and Pharmaceutical Sciences*, 7 (1): 2013; 7-11.
31. Madeswaran A, Umamaheswari M, Asokkumar K, Sivashanmugam T, Subhadradevi V, Jagannath P. Computational drug discovery of potential cyclooxygenase inhibitors using *in silico* studies. *International Journal of Biomedical and Pharmaceutical Sciences*, 7 (1): 2013; 12-15.
32. Madeswaran A, Umamaheswari M, Asokkumar K, Sivashanmugam T, Subhadradevi V, Jagannath P. Discovery of potential lipoxigenase inhibitors using *in silico* docking studies. *Universal Journal of Pharmacy*, 2 (1): 2013; 79-84.
33. Madeswaran A, Umamaheswari M, Asokkumar K, Sivashanmugam T, Subhadradevi V, Jagannath P. Computational drug discovery of potential tau protein kinase I inhibitors using *in silico* studies. *Bangladesh Journal of Pharmacology*, 8: 2013; 131-135.
34. Umamaheswari M, Madeswaran A, Asokkumar K, Sivashanmugam T, Subhadradevi V, Jagannath P. Virtual screening analysis and in-vitro xanthine oxidase inhibitory activity of some commercially available flavonoids. *Iranian Journal of Pharmaceutical Research* 2013; 12 (3): 317-323.
35. Asokkumar K, Prathyusha T L, Umamaheswari M, Sivashanmugam T, Subhadradevi V, Jagannath P, Madeswaran A, Francis S. Design, ADMET Studies and synthesis of novel chalcone oxide derivative as soluble epoxide hydrolase inhibitors. *Inventi Impact: Medicinal Chemistry*, 2: 2013; 1-5.
36. Sivashanmugam T, Muthukrishnan S, Umamaheswari M, Asokkumar K, Subhadradevi V, Jagannath P, Madeswaran A. Discovery of potential cholesterol esterase inhibitors using *in silico* docking studies. *Bangladesh J Pharmacol*, 2013; 8: 223-229.
37. Priya LSS, Devi PR, Madeswaran A. *In silico* docking studies of RP2 (X-Linked retinitis pigmentosa) protein using anthocyanins as potential inhibitors. *Bangladesh J Pharmacol*, 8: 2013; 292-299.
38. Madeswaran A, Umamaheswari M, Asokkumar K, Sivashanmugam T, Subhadradevi V, Jagannath P. Computational drug discovery of potential phosphodiesterase inhibitors using *in silico* studies. *Asian Pacific Journal of Tropical Disease*, Suppl (2): 2012; S822-S826.
39. Madeswaran A, Umamaheswari M, Asokkumar K, Sivashanmugam T, Subhadradevi V, Jagannath P. Discovery of potential cyclooxygenase inhibitors using *in silico* docking studies. *Bangladesh Journal of Pharmacology*, 7: 2012; 21-27.
40. Madeswaran A, Umamaheswari M, Asokkumar K, Sivashanmugam T, Subhadradevi V, Jagannath P. Docking studies: *In silico* phosphodiesterase inhibitory activity of commercially available flavonoids. *Bangladesh Journal of Pharmacology*, 2012; 7: 70-75.
41. Madeswaran A, Umamaheswari M, Asokkumar K, Sivashanmugam T, Subhadradevi V, Jagannath P. *In silico* docking studies of aldose reductase inhibitory activity of commercially available flavonoids.

Bangladesh Journal of Pharmacology, 7: 2012; 266-271.

42. Madeswaran A, Umamaheswari M, Asokkumar K, Sivashanmugam T, Subhadradevi V, Jagannath P. Computational drug discovery of potential aldose reductase inhibitors using *in silico* studies. Electronic Journal of Biology, 8(4): 2012; 67-72.

43. Madeswaran A, Umamaheswari M, Asokkumar K, Sivashanmugam T, Subhadradevi V, Jagannath P. Computational drug discovery of potential lipoxygenase inhibitors using *in silico* docking studies. Inventi Rapid: Molecular modelling, 4: 2012; 1-5.

44. Madeswaran A, Umamaheswari M, Asokkumar K, Sivashanmugam T, Subhadradevi V, Jagannath P. Discovery of potential aldose reductase inhibitors using *in silico* docking studies. Oriental Pharmacy and Experimental Medicine, 12: 2012; 157-161.

45. Madeswaran A, Umamaheswari M, Asokkumar K, Sivashanmugam T, Subhadradevi V, Jagannath P. *In silico* docking studies of phosphodiesterase inhibitory activity of commercially available flavonoids. Oriental Pharmacy and Experimental Medicine, 12: 2012; 301-306.

46. Madeswaran A, Venkateswaramurthy N. Herb-drug interactions: A survey of use, attitudes, and knowledge among patients. Inventi Impact: Pharmacy Practice, Vol. 2012 , Article ID- "Inventi:ppp/177/12 ", 2012 [cited 2012 Jul 23] Available From <http://www.inventi.in/Article/ppp/177/12.aspx>

47. M. Umamaheswari, A. Madeswaran, K. Asokkumar, A. T. Sivashanmugam, V. Subhadradevi, P. Jagannath. Docking studies: Search for possible phytoconstituents for the treatment of gout, International Journal of Biological and Pharmaceutical Research, 3 (1), 2012; 6-11.

48. Umamaheswari M, Dhinesh S, Sivashanmugam T, Subhadradevi V, Jagannath P, Madeswaran A. Anticataract and antioxidant activities of *Achyranthes aspera* Linn. against glucose-induced cataractogenesis using goat lenses. Journal of Natural Products and Plant Resources, 2(1): 2012; 153-161.

49. Umamaheswari M, Dhinesh S, Asokkumar K, Sivashanmugam T, Subhadradevi V, Jagannath P, Madeswaran A. Anticataract and antioxidant activities of *Abrus precatorius* Linn. against calcium-induced cataractogenesis using goat lenses. European Journal of Experimental Biology, 2012, 2 (2):378-384.

50. Umamaheswari M, Dhinesh S, Asokkumar K, Sivashanmugam T, Subhadradevi V, Jagannath P, Madeswaran A. Anticataract and antioxidant activities of *Achyranthus aspera* Linn. against calcium-induced cataractogenesis using goat lenses. Der Pharmacia Lettre, 2012, 4 (2):436-442.

51. Umamaheswari M, Ajith P M, Asokkumar K, Sivashanmugam T, Subhadradevi V, Jagannath P, Madeswaran A. *In vitro* angiotensin converting enzyme inhibitory and antioxidant activities of seed extract of *Raphanus sativus* Linn. Central European Journal of Experimental Biology, 1(1): 2012; 11-17.

52. Umamaheswari M, Ajith P M, Asokkumar K, Sivashanmugam T, Subhadradevi V, Jagannath P, Madeswaran A. *In vitro* angiotensin converting enzyme inhibitory and antioxidant activities of seed extract of *Apium graveolens* Linn. Annals of Biological Research, 3(3): 2012; 1274-1282.

53. Umamaheswari M, Aji C S, Asokkumar K, Sivashanmugam T, Subhadradevi V, Jagannath P, Madeswaran A. Docking studies: *In silico* aldose reductase inhibitory activity of commercially available flavonoids. Bangladesh Journal of Pharmacology, 7: 2012; 108-113.

54. Umamaheswari M, Aji C S, Asokkumar K, Sivashanmugam T, Subhadradevi V, Jagannath P, Madeswaran A. *In silico* docking studies of aldose reductase inhibitory activity of commercially available flavonoids. International Journal of Drug Development & Research, 4(3): 2012; 328-334.

55. Umamaheswari M, Aji C S, Asokkumar K, Sivashanmugam T, Subhadradevi V, Jagannath P, Madeswaran A. Anticataract and antioxidant activities of commercially available flavonoids against glucose-induced cataractogenesis using goat lenses, Inventi Rapid: Ethnopharmacology, 4: 2012; 1.

56. Umamaheswari M, Preetha R, Asokkumar K, Sivashanmugam T, Subhadradevi V, Jagannath P, Madeswaran A. *In silico* docking studies and *in vitro* xanthine oxidase inhibitory activity of commercially available terpenoids. International Journal of Phytopharmacy, 2 (5): 2012; 135-142.

57. Asokkumar K, Prathyusha T L, Umamaheswari M, Shivashanmugam T, Subhadradevi V, Jagannath P, Madeswaran A, Francis S. Design, ADMET and docking studies on some novel chalcone derivatives as soluble epoxide hydrolase enzyme inhibitors. Journal of Chilean Chemical Society, 57(4): 2012; 1199-1203.

58. Asokkumar K, Prathyusha T L, Umamaheswari M, Shivashanmugam T, Subhadradevi V, Jagannath P, Madeswaran A. *In vitro* Human Red Blood Cell Membrane Stabilization Assay of Some Novel Chalcone Derivatives. Inventi Impact: Animal Models & Cell Assays, 4: 2012; 1-3.

59. Asokkumar K, Prathyusha T L, Umamaheswari M, Shivashanmugam T, Subhadradevi V, Jagannath P, Madeswaran A. *In vitro* soluble epoxide hydrolase enzyme inhibitory activity of some novel chalcone derivatives. International Journal of Phytopharmacy, 2 (4): 2012; 116-121.

60. Madeswaran A, Umamaheswari M, Asokkumar K, Sivashanmugam T, Subhadradevi V, Jagannath P. *In silico* docking studies of lipoxygenase inhibitory activity of commercially available flavonoids. J. Comput. Method. Mol. Design, 1 (4): 2011; 65-72.

61. Madeswaran A, Umamaheswari M, Asokkumar K, Sivashanmugam T, Subhadradevi V, Jagannath P. Docking studies: *In silico* lipoxygenase inhibitory activity of some commercially available flavonoids. Bangladesh Journal of Pharmacology, 6: 2011; 133-138.
62. Umamaheswari M, Madeswaran A, Asokkumar K, Sivashanmugam T, Subhadradevi V, Jagannath P. Discovery of potential xanthine oxidase inhibitors using *in silico* docking studies. Der Pharma Chemica, 2011, 3 (5): 240-247.
63. Umamaheswari M, Madeswaran A, Asokkumar K, Sivashanmugam T, Subhadradevi V, Jagannath P. Study of potential xanthine oxidase inhibitors: *In silico* and *in vitro* biological activity. Bangladesh J Pharmacol, 6: 2011; 117-123.

List of National Publications

1. Madeswaran A, Umamaheswari M, Asokkumar K, Sivashanmugam T, Subhadradevi V, Jagannath P. A Survey of Patient's Attitude Towards The Rational Use And Knowledge Of Herbal Products And Dietary Supplements In Primary Health Care Centres At Coimbatore District. Druglines, 13(1&2), 2015; 15-20.
2. Madeswaran A, Umamaheswari M, Asokkumar K, Sivashanmugam T, Subhadradevi V, Jagannath P. *In silico* docking studies of cyclooxygenase inhibitory activity of commercially available flavonoids. Asian Journal of Pharmacy and Life Science, 2 (2), 2012; 174-181.
3. Asokkumar K, Jagannath P, Umamaheswari M, Sivashanmugam T, Subhadradevi V, Madeswaran A. Cardioprotective activity of Bixa orellana L. on isoproterenol induced myocardial necrosis in rats. Journal of Pharmacy Research, 5 (4), 2012; 1930-1934.
4. Umamaheswari M, Madeswaran A, Asokkumar K, Sivashanmugam T, Subhadradevi V, Jagannath P. *In silico* docking studies and *in vitro* xanthine oxidase inhibitory activity of commercially available flavonoids and polyphenolic compounds, Journal of Pharmacy Research, 4 (10), 2011; 3460-3462.

Book Publications

1. Book Title: *In Silico* Docking of Tannins for the Management of Alzheimer's Disease
ISBN: 978-620-7-99726-8 Authors: Vijayabaskaran M , Ishfaq S, Madeswaran A
Publisher: Lambert Academic Publishing, Germany. Year of Publication: 2024
Language: English
2. Book Title: Cholinesterase inhibitory activity of certain plant extracts
ISBN: 978-620-5-49466-0 Authors: Arumugam Madeswaran, Sellappan Mohan
Publisher: Lambert Academic Publishing, Germany. Year of Publication: 2022
Language: English
3. Book Title: 'Activité inhibitrice de la cholinestérase de certains extraits de plantes
ISBN: 978-620-5-16111-1 Authors: Arumugam Madeswaran, Sellappan Mohan
Publisher: 'Editions Notre Savoir. Year of Publication: 2022 Language: French
4. Book Title: Xanthine oxidase inhibitory activity of certain commercial Flavonoids
ISBN: 978-3-330-03225-5 Authors: Arumugam Madeswaran
Publisher: Lambert Academic Publishing, Germany. Year of Publication: 2018
Language: English
5. Book Title: A textbook of biostatistics
ISBN: 978-3-659-79008-9 Authors: Arumugam Madeswaran
Publisher: Lambert Academic Publishing, Germany. Year of Publication: 2015
Language: English
6. Book Title: Computational studies of anti-inflammatory activity of some flavonoids
ISBN: 978-3-659-37016-8 Author: Arumugam Madeswaran
Publisher: Lambert Academic Publishing, Germany. Year of Publication: 2013
Language: English
7. Book Title: Herb-drug interactions: A survey of knowledge among patients
ISBN: 978-3-659-39276-4 Authors: Madeswaran A, Venkateswaramurthy N
Publisher: Lambert Academic Publishing, Germany. Year of Publication: 2013
Language: English
8. Book Title: Discovery of cyclooxygenase inhibitors using *in silico* docking studies
ISBN: 978-3-659-19323-1 Author: Arumugam Madeswaran
Publisher: Lambert Academic Publishing, Germany. Year of Publication: 2012
Language: English

Papers Presented in Conferences

Oral Presentation:

1. A cross sectional study to evaluate attitude towards the knowledge and rational use of antibiotics in South India population. Presented at International conference held on 6th and 7th December, 2022 in Chitkara University, Punjab, India.
2. Neuroprotective effects of terpenoids against streptozotocin-nicotinamide-induced diabetic rats: An *in silico*, *in vitro* and *in vivo* study. Presented at 25th Annual National Convention of Association of Pharmaceutical Teachers of India 2022 held on 2nd to 4th September, 2022 in JSS College of Pharmacy, Mysuru, India.
3. Unwinding the complexities of Diabetic Alzheimer's disease by certain commercially available terpenoids-An *in silico*, *in vitro* and *in vivo* study. Presented at 9th International Congress of Society for Ethnopharmacology, India (SFEC 2022) held on April 22-24, 2022 in JSS College of Pharmacy, Mysuru, India.
4. Neuroprotective effect of scopoletin against scopolamine induced dementia in mice an *in silico*, *in vitro* and *in vivo* study. Presented at 7th International Congress of the Society for Ethnopharmacology, India (SFEC 2020) held on February 15-17, 2020 in Jamia Hamdard, New Delhi, India.
5. An exploratory study of evaluation of knowledge and attitude of Pharmacy students towards the animal ethics. Presented at International Conference on Bioethics in Health Sciences on Redefining Bioethics in Health Sciences for the Next Century held on 8th to 10th November 2019 at SRM Medical College Hospital and Research Centre, SRM IST, Chennai.
6. Neuroprotective Effect of Baicalein on Scopolamine induced cognitive impairment in mice-An *in silico*, *in vitro* and *in vivo* study. Presented as Oral at Indian Association of Colleges of Pharmacy's 1st Pharmaceutical Sciences Congress held at Ramaiah University of Applied Sciences, Bangaluru on 18th and 19th March 2017.
7. *In silico* Molecular docking analysis and *in vitro* evaluation of some commercial flavonoids as acetylcholinesterase inhibitors in the management of Alzheimer's disease. Presented as Oral at JSS College of Pharmacy, Ooty on 4th to 5th November 2016.
8. Novel approach to discover potential acetylcholinesterase inhibitors for treatment of Alzheimer's disease. Presented as Oral at National conference (SNCI CON-2014) held at Sri Ramachandra University, Chennai on 10th to 12th September 2014.
9. *In silico* and *in vitro* xanthine oxidase inhibitory activity of commercially available flavonoids. Presented as Oral at R.V.S. College of Pharmaceutical Sciences, Coimbatore, during 17th & 18th February 2011.

Poster Presentation:

1. Combining *in silico*, *in vitro* and *in vivo* approaches to evaluate the neuroprotective activity of baicalein in chronic aluminium chloride induced cognitive impairment in mice. Presented as a Poster at 8th Asian Association of Schools of Pharmacy conference held at Jagadguru Sri Shivarathreeshwara University, Mysuru, during 27th to 29th October, 2017.
2. Assessment of depression using personal health depression scale analysis in student community. Presented as a Poster at Indian Congress of Pharmacy Practice 2016 & Second Convention of Indian Association of Colleges of Pharmacy held at Coimbatore, during 2nd and 3rd April, 2016.
3. Investigation of acetylcholinesterase-ligand interactions by molecular docking simulations and evaluation of *in vitro* enzyme inhibitory activity of some flavonoids. Presented as a Poster at 67th Indian Pharmaceutical Congress held at Mysuru, during 19th – 21st December 2015.
4. A survey of patient's attitude towards the rational use and knowledge of herbal products and dietary supplements. Presented as a Poster at the Inaugural Convention of the Indian Association of Colleges of Pharmacy & Indian Congress of Pharmacy Practice during 21st & 22nd February, 2014.
5. *In silico* evaluation of α -amylase inhibitory activity of some commercially available flavonoids. Presented as a Poster at JSS College of Pharmacy, Ooty, during 16th and 17th August 2013.
6. Computational Drug Design of α - amylase Inhibitors Using Some Commercially Available Flavonoids. Presented as a Poster at 65th Indian Pharmaceutical Congress held at Delhi NCR, during 20th – 22nd December 2013.
7. Herbal products and dietary supplements: A survey of use attitudes and knowledge among patients. Presented as a Poster at Nehru College of Pharmacy, Kerala, during 29 & 30th March 2008.

Guest Lectures Presented in Conferences

1. As a resource person given a talk on the topic “Current Trends and Future Perspectives in the management of Alzheimer’s Disease” on International Convention on ““Neuropharmacology: An Emerging Field in the Pharmacology”” held on 27th & 28th February 2025 at Karpagam College of Pharmacy, Coimbatore, Tamil Nadu.
2. As a resource person given a talk on the topic “Alternatives to animals used in research – 5R Concept” at Continuing Education Programme on “Emerging Trends and Challenges in Drug Safety Discovery and Development” held on 6th December 2024 at Abirami College of Pharmacy, Coimbatore, Tamil Nadu.
3. As a resource person given a talk on the topic “Crafting a comprehensive approach: Guidelines for Research Publications” five days National Faculty Development Program on “Pharmacy Teaching, Learning and Research: Trends and Tools” held on 22nd & 26th April 2024 at Karpagam College of Pharmacy, Coimbatore, Tamil Nadu.
4. As a resource person given a talk on the topic “Translational research approaches in the management of neurodegenerative diseases” at two days national seminar on “Preclinical to Clinical Aspects of Neuropharmacology – Global Concern” held on 16th & 17th March 2023 at Karpagam College of Pharmacy, Coimbatore, Tamil Nadu.
5. As a resource person given a talk on the topic “Newer molecular approaches in the management of neurodegenerative diseases” at two Days Workshop cum Hands-on training on “Computational approach & *in vivo* behavioural assessments in Neuropharmacology” held on 22nd & 23rd August 2022 at Karpagam College of Pharmacy, Coimbatore, Tamil Nadu.

Conferences and Workshops Organized

1. As an Organized secretary, organized two days International Convention on ““Neuropharmacology: An Emerging Field in the Pharmacology”” held on 27th & 28th February 2025 at Karpagam College of Pharmacy, Coimbatore, Tamil Nadu.
2. As an Organized secretary, organized five days National Faculty Development Program on “Pharmacy Teaching, Learning and Research: Trends and Tools” held on 22nd & 26th April 2024 at Karpagam College of Pharmacy, Coimbatore, Tamil Nadu.
3. As an Organized secretary, organized two days national seminar on “Preclinical to Clinical Aspects of Neuropharmacology – Global Concern” held on 16th & 17th March 2023 at Karpagam College of Pharmacy, Coimbatore, Tamil Nadu.
4. As an Organized secretary, organized two Days Workshop cum Hands-on training on “Computational approach & *in vivo* behavioural assessments in Neuropharmacology” held on 22nd & 23rd August 2022 at Karpagam College of Pharmacy, Coimbatore, Tamil Nadu.
5. As an Organizing member involved in the two days International Conference on “Developments in Drug Discovery” held on 27th & 28th February 2023.

Conference/Seminars attended

1. Two days National Seminar on “Envisioning New Bharat: Educational Reforms and Indigenous Systems” on 8th & 9th June 2024 at Hotel Vivanta Coimbatore, Tamil Nadu.
2. One day FDP entitled Developing a Knowledge Frame Work for Effective Research on 17th April 2024 in Karpagam College of Pharmacy, Coimbatore, Tamil Nadu.
3. One day National Seminar on Effective Teaching, Learning Strategies and Research in Pharmacy on 1st April 2023 at PSG College of Pharmacy, Coimbatore.
4. Cloud based Hands-on Workshop on Computational Methods in Hit and Lead Identification/Optimization for Drug Discovery on 8th & 9th August 2022 at Karpagam College of Higher Education, Coimbatore.
5. International conference on One world, One Health Organized by Prevent It Consortium held on 6th and 7th December, 2022 in Chitkara University, Punjab, India.
6. 25th Annual National Convention of Association of Pharmaceutical Teachers of India 2022 held on 2nd to 4th September, 2022 in JSS College of Pharmacy, Mysuru, India.
7. 9th International Congress of Society for Ethnopharmacology, India (SFEC 2022) held on April 22-24, 2022 in JSS College of Pharmacy, Mysuru, India.
8. 7th International Congress of the Society for Ethnopharmacology, India (SFEC 2020) held on February 15-17, 2020 in Jamia Hamdard, New Delhi, India.
9. International Conference on Bioethics in Health Sciences on Redefining Bioethics in Health Sciences for the Next Century held on 8th to 10th November 2019 at SRM Medical College Hospital and Research Centre, SRM IST, Chennai.

10. One day workshop on E-Resources in Academic Research and Institutional Ranking organized by Department of Library and Information Science, Sri Ramakrishna Engineering College at Coimbatore on 9th February 2019.
11. 69th Indian Pharmaceutical Congress held at Chitkara University, Rajpura, during 22nd -24th December, 2017.
12. 8th Asian Association of Schools of Pharmacy conference held at Jagadguru Sri Shivarathreeswara University, Mysuru, during 27th to 29th October, 2017.
13. Indian Association of Colleges of Pharmacy's 1st Pharmaceutical Sciences Congress held at Ramaiah University of Applied Sciences, Bangaluru on 18th and 19th March 2017.
14. Two Days National Seminar on Recent Advances in Drug Design using Computational Chemistry Tools – Case Studies at JSS College of Pharmacy, Ooty on 4th to 5th November 2016.
15. Indian Congress of Pharmacy Practice 2016 & Second Convention of Indian Association of Colleges of Pharmacy held at Coimbatore, during 2nd and 3rd April, 2016.
16. 67th Indian Pharmaceutical Congress held at JSS University, Mysuru, during 19th -21st December, 2015.
17. 66th Indian Pharmaceutical Congress held at Hitex Exhibition Centre, Hyderabad, during 23rd -25th January, 2015.
18. National conference (SNCI CON-2014) held at Sri Ramachandra University, Chennai during 10th to 12th September 2014.
19. 31st Workshop on Research Methodology and Biostatistics held at The Tamil Nadu Dr. M. G. R. Medical University, Chennai during 28th April to 2nd May 2014.
20. Indian Pharmaceutical Association State level conference and Rally held at Erode on 23rd March 2014.
21. Inaugural Convention of the Indian Association of Colleges of Pharmacy & Indian Congress of Pharmacy Practice, Bangalore during 21st & 22nd February, 2014.
22. 65th Indian Pharmaceutical Congress held at Delhi NCR, during 20th – 22nd December 2013.
23. National Seminar on Computer Aided Drug Design-Discovery of New Molecules held at JSS College of Pharmacy, Ooty, during 16th and 17th August 2013.
24. 64th Indian Pharmaceutical Congress held at SRM University Campus, Chennai during 7th to 9th December 2012.
25. One Day Seminar on Emerging trends and Challenges in Patient focused pharmacy education held at Sri Ramakrishna Hospital Campus, Coimbatore on 3rd November 2012.
26. ICMR sponsored National Seminar on Advances in Traditional Drug Discovery and Clinical Drug Evaluation held at R.V.S. College of Pharmaceutical Sciences, Coimbatore, during 17th & 18th February 2011.
27. Indo-European Symposium on Alternative Approaches to Animal Testing held at J.S.S. College of Pharmacy, Ooty, during 8th December 2010.
28. Seminar on Career Opportunities in Clinical Research held at Coimbatore, during 14th August 2010.
29. CME on Recent Trends in Cytokines held at MES Medical College, Kerala, during 17th July 2010.
30. International seminar and workshop on Pharmacology in Health and Diseases held at Sankaralingam Bhuvaneswari College of Pharmacy, Sivakasi, during 28-31 October 2009.
31. National symposium on Recent Trends in Pharmaceutical Research held at Nehru College of Pharmacy, Kerala, during 29 & 30th March 2008.

Seminar Grant Received:

1. Received Rs. 15,000/- as a seminar grant from The Tamil Nadu Dr. MGR Medical University, Chennai for two days International Convention on ““Neuropharmacology: An Emerging Field in the Pharmacology”” held on 27th & 28th February 2025 at Karpagam College of Pharmacy, Coimbatore, Tamil Nadu.
2. Received Rs. 5000/- as a seminar grant from Association of Pharmaceutical Teachers of India Tamil Nadu State Branch for five days National Faculty Development Program on “Pharmacy Teaching, Learning and Research: Trends and Tools” held on 22nd & 26th April 2024 at Karpagam College of Pharmacy, Coimbatore, Tamil Nadu.

Patents

1. Arumugam Madeswaran, AI enabled device for detection of inflammation in mice, Indian Design Patent, Patent Application Number: 410679-001, Patent filed on, 15.03.2024, Patent published on 09.05.2024.