

Tamilvanan Shunmugaperumal, Ph. D



Educational Details

Tamilvanan Shunmugaperumal studied diploma and bachelor courses in Pharmaceutical Sciences respectively at Annamalai University and Madras Medical College (under University of Madras). The master and doctoral degrees were completed at Jadavpur University, Calcutta. He obtained post-doctoral research experiences at Hebrew University of Jerusalem, Israel and University of Antwerp, Belgium.

Research Interest

- To amalgamate the plant-derived medicinally active principles with the modern days pharmaceutical carriers for achieving better therapeutic efficacy
- To apply the theragnostic principle by means of nanosized carriers for the management of either malignancy or joint inflammatory disease
- To circumvent/eradicate the biofilm structure from the surfaces of medical devices using metal nanoparticles-stabilized oil-in-water emulsion
- To develop dry-powder for reconstitution and liquid-retentive colloidal carriers for ocular topical applications for the containment of infections at extra-and intra-eye tissues
- To discover the unusual solid-and liquid-states interfacial structures at micro-and nano-particulate drug delivery systems

Research Experience

Hands-on experiences gained at various institutions placed in different geographical regions include

- ✓ Analysing the nanoformulations by means of several microscopical techniques like optical, SEM and TEM
- ✓ Developing drug delivery systems for neglected or uncovered infections of auricular and ocular regions of human body
- ✓ Optimizing the marker compounds for few house-hold condiments and their further amalgamation with few drug delivery carriers for getting better therapeutic efficacy
- ✓ Providing right direction to design experimentation for research activities of master-and doctoral-level students
- ✓ Discovering new pathways for drug transport from eye tissues to brain regions following topical instillation of eye drops into rabbit eyes

Publications and other academic-related activities

Publications (List of papers published in SCI Journals, in year wise descending order)

S. No.	Author(s)	Title	Name of Journal	Volume	Page	Year
1.	Harmanpreet Singh, Manish Kumar, Suksham Gupta, Thenrajan Raja Sekharan & <u>Shunmugaperumal Tamilvanan</u>	Influence of hydrophilic polymers addition into cinnarizine- β -cyclodextrin complexes on drug solubility, drug liberation behaviour and drug permeability	Polymer Bulletin [Impact factor in 2016 is 1.430] ISSN: 0170-0839 (Print) 1436-2449 (Online)	75(7)	2987-3009	2018
2.	<u>Tamilvanan Shunmugaperumal</u> , Malonje Daka, Puja Chanda	Self-Medication Awareness for Skin Rash Management by Indian University Students - A Questionnaire-Based Survey Study	Indian Journal of Pharmaceutical Education and Research ISSN-0019-5464	52(3)	525-531	2018 DOI: 10.5530/ijper.52.3.60
3.	<u>Tamilvanan S.</u> Singh N, Raja Sekharan T	Development of etoricoxib-loaded chitosan-and PEG-based microparticles to restrain the brain/neuro plasticity associated chronic pain	Micro and Nanosystems [H-Index: 8] ISSN: 1876-4037 (Online) ISSN: 1876-4029 (Print)	9(1)	39-49	2017
4.	<u>Tamilvanan S.</u> Thakur A, Kaur V, Sharma D and Vinaykumar.	In vitro evaluation of topical gels containing celecoxib-loaded stearic and alginic acids-based microparticles.	INDIAN DRUGS [Impact Factor in 2005= 0.122; H-Index: 21] ISSN: 0019-462X	53(2)	32-40	2016
5.	<u>Tamilvanan Shunmugaperumal</u> and Puja	Awareness and usage of over-the-counter pain-	THE INDIAN PHARMA	Vol.XIII, No. 08,	45-51	February, 2016

S. No.	Author(s)	Title	Name of Journal	Volume	Page	Year
	Chanda.	killer products by Indian University students: A questionnaire-based survey study	CIST [Impact Factor in 2005= 0.082] ISSN: 0972-7914			
6.	Amit Mittal, Deepak Malhotra, Preeti Jain, AnupamaKalia and <u>Tamilvanan Shunmugaperumal</u> .	Studies on aspirin crystals generated by a modified vapor diffusion method	AAPS PharmSciTech doi: 10.1208/s12249-015-0432-8 [Impact factor in 2014 is 1.641; 5-year Impact Factor: 2.035] ISSN 1530-9932 (Online)]	Aug;17(4)	988-94	2016
7.	<u>Tamilvanan Shunmugaperumal</u> , Varinder Kaur.	In Vitro Anti-inflammatory and Antimicrobial Activities of Azithromycin After Loaded in Chitosan- and Tween 20-Based Oil-in-Water Macroemulsion for Acne Management	AAPS PharmSciTech [Impact factor in 2014 is 1.641; 5-year Impact Factor: 2.035] ISSN 1530-9932 (Online)]	Jun;17(3): doi: 10.1208/s12249-015-0401-2.	700-9	2016
8.	<u>Tamilvanan Shunmugaperuma</u> Vinaykumar, Deepa Sharma, Ashutosh Thakur.	In Vitro Evaluation of Polyethylene Glycol-Based Microparticles Containing Azithromycin	Drug Delivery and Translational Research [Impact factor in 2016 is 3.395] ISSN: 2190-393X (Print); ISSN: 2190-3948 (Online)	4	139-148	2014
9.	<u>Tamilvanan Shunmugaperuma</u> Deepak Sharma, Ashutosh Thakur, Vinaykumar.	Effect of production variables on the physicochemical characteristics of	Interventional Medicine & Applied Science ISSN: 2061-	5(4)	175-181	2013

S. No.	Author(s)	Title	Name of Journal	Volume	Page	Year
		celecoxib-loaded stearic and alginic acids-based microparticles	1617 (Print); ISSN: 2061-5094 (Online)			
10.	<u>Shunmugaperumal Tamilvanan</u> , Ramona Khanum, SudalimuthuRama chandranSenthilku mar, MarimuthuMuthur aman and ThenrajanRajasek haran.	Studies on Ocular and Parenteral Application Potentials of Azithromycin-Loaded Anionic, Cationic and Neutral-Charged Emulsions	Current Drug Delivery [Impact factor in 2016 is 1.446] ISSN: 1567-2018 (Print); ISSN: 1875-5704 (Online)	10	572-586	2013
11.	Vinay Kumar, Sachin Kumar Singh, Renuka, RanjithAnishetty and <u>Tamilvanan Shunmugaperumal</u> .	Development and Validation of a Simple and Sensitive Spectrometric Method for Estimation of Azithromycin Dihydrate in Table Dosage Forms: Application to Dissolution Studies	Current Pharmaceutical Analysis [Impact Factor: 1.71] ISSN: 1573-4129 (print) 1875-676X (online)	9(3)	310-317	2013
12.	<u>Tamilvanan Shunmugaperumal</u> and Srinivasan Ramamurthy.	Assessment of antibiofilm activity of magnesium fluoride nanoparticles-stabilized oil-in-water nanosized emulsion	Drug Development and Industrial Pharmacy [2010 Impact Factor: 1.396; 5-year Impact Factor: 1.509; Ranking: 191/236 (Pharmacology and Pharmacy), 36/46 (Medicinal Chemistry)] ISSN: 1520-5762 (electronic) 0363-9045 (paper)	In Press		2013

S. No.	Author(s)	Title	Name of Journal	Volume	Page	Year
13.	<u>Tamilvanan Shunmugaperumal</u> and Raj Baskar.	Effect of non-phospholipid-based cationic and phospholipid-based anionic nanosized Emulsions on skin retention and anti-inflammatory activity of celecoxib	Pharmaceutical Development and Technology [2010 Impact Factor: 1.107; 5-year Impact Factor: 1.386] ISSN: 1083-7450 (print), 1097-9867 (electronic)	18(4)	761-771	2013
14.	<u>S. Tamilvanan</u> and S. Karmegam.	<i>In vitro</i> evaluation of chitosan coated and uncoated-calcium alginate beads containing methyl salicylate-lactose physical mixture	Pharmaceutical Development and Technology [2010 Impact Factor: 1.107; 5-year Impact Factor: 1.386] ISSN: 1083-7450 (print), 1097-9867 (electronic)	17(4)	494-501	2012
15.	Review By <u>Tamilvanan Shunmugaperumal</u> .	Mark Shirtliff and G. Leid (editors). The Role of Biofilms in Device-Related Infections. Series Editor: J. William Costerton, Springer-Verlag Berlin Heidelberg, 2009, ISBN: 978-3-540-68113-7; e-ISBN: 978-3-540-68119-9.	Journal of Medical Devices [2009 Impact Factor: 0.960; 5-year Impact Factor: 1.178, Transactions of the ASME (American Society of Mechanical Engineers), Minnesota, USA]	Vol.5, Iss.1, 016501-1, March		2011
16.	T. Raja Sekharan, S. Palanichamy, <u>S. Tamilvanan</u> , S. Shanmuganathan	Formulation and evaluation of hydroxyprop	Indian Journal of Pharmaceutical Sciences	July-August, 73 (4):	451-456	2011

S. No.	Author(s)	Title	Name of Journal	Volume	Page	Year
	and A. ThangaThirupathi.	yl methyl cellulose-based controlled release matrix tablets for theophylline	[Impact Factor in 2010= 0.455] ISSN: 0250474X / EISSN: 19983743			
17.	<u>S. Tamilvanan</u> and B. Ajith Kumar.	Influence of acetazolamide loading on the (in vitro) performances of non-phospholipid-based cationic nanosized emulsion in comparison to phospholipid-based anionic and neutral-charged nanosized emulsions	Drug Development and Industrial Pharmacy [2010 Impact Factor: 1.396; 5-year Impact Factor: 1.509; Ranking: 191/236 (Pharmacology and Pharmacy), 36/46 (Medicinal Chemistry)] ISSN: 1520-5762 (electronic) 0363-9045 (paper)	37(9)	1003-1015	2011
18.	<u>S. Tamilvanan,</u> R. Venkatesh Babu, A. Nappinai and G. Sivaramakrishnan.	<i>In vitro</i> and <i>in vivo</i> evaluation of hydrophilic and hydrophobic polymers-based nicorandil-loaded peroral tablet compared with its once-daily commercial sustained-release tablet	Drug Development and Industrial Pharmacy [2010 Impact Factor: 1.396; 5-year Impact Factor: 1.509; Ranking: 191/236 (Pharmacology and Pharmacy), 36/46 (Medicinal Chemistry)] ISSN: 1520-5762 (electronic) 0363-9045 (paper)	37(4)	436-445	2011
19.	<u>S. Tamilvanan,</u> B. Ajith Kumar, S.	Stability Assessment	AAPS PharmSciTech	Vol. 11 No. 2,	904-909	June 2010

S. No.	Author(s)	Title	Name of Journal	Volume	Page	Year
	R. Senthilkumar, Raj Baskar, and T. Raja Sekharan.	of Injectable Castor Oil-Based Nano-sized Emulsion Containing Cationic Droplets Stabilized by Poloxamer–Chitosan Emulsifier Films	[Impact Factor in 2010= 1.211;5-year Impact Factor: 2.035] ISSN 1522-1059. DOI: 10.1208/s12249-010-9455-3			
20.	<u>Shunmugaperumal Tamilvanan,</u> Sudalaimuthu Ramachandran Senthilkumar, Raj baskar and Thenrajan Raja Sekharan,	Manufacturing techniques and excipients used during the formulation of oil-in-water type nanosized emulsions for medical applications	Journal of Excipients and Food Chemicals ISSN: 2150-2668	1(1)	1-19	2010
21.	<u>S. Tamilvanan</u> and T. Raja Sekharan.	Oral lipid-based drug delivery-An overview	THE INDIAN PHARMACIST [Impact Factor in 2005= 0.082] ISSN: 0972-7914		24-26	June, 2010
22.	<u>Shunmugaperumal Tamilvanan.</u>	Microbial colonization of medical devices and novel preventive strategies	Recent Patents on Drug Delivery & Formulation [Impact Factor-2008 = 4.01; H-Index: 10] ISSN: 1872-	4(2)	153-173	2010

S. No.	Author(s)	Title	Name of Journal	Volume	Page	Year
			2113/10			
23.	<u>Shunmugaperumal Tamilvanan</u> , Natarajan Livingston Raja, Biswanath Sa and Sanat Kumar Basu.	Clinical Concerns of Immunogenicity produced at cellular levels by Biopharmaceuticals following their Parenteral Administration into Human Body	Journal of Drug Targeting [Impact Factor-2010 = 2.491; 5-year Impact Factor: 3.024]. ISSN: 1061-186X print / ISSN: 1029-2330 online	18(7)	489-498	2010
24.	T. Raja Sekharan, S. Palanichamy, S. Shanmuganathan, S. Tamilvanan and A. ThangaThirupathi.	Formulation and evaluation of theophylline controlled release matrix tablets using guar gum	Ars Pharm [Impact Factor in 2006= 0.24; H-Index: 7] ISSN: 0004-2927 http://farmacia.ugr.es/ars/	50(4)	205-214	2009
25.	Van de ven H, Vermeersch M, Shunmugaperumal Tamilvanan, Vandervoort J, Maes L, and Ludwig A.	Solid lipid nanoparticle (SLN) formulations as a potential tool for the reduction of cytotoxicity of saponins	Die Pharmazie [Impact Factor-2010 = 0.869; H-Index: 35] ISSN: 0031-7144	64(3)	172-176	2009
26.	K.G. Mahajan, <u>S. Tamilvanan</u> , H.S. Sawarkar, R.R. Thenge, V.S. Adhao, and P.S. Gangane.	Preliminary Phytochemical and Antipyretic Screening of Crude extract of the leaf of <i>Clerodendrum Colbrookianum</i>	Research Journal of Pharmacognosy and Phytochemistry (RJPP) [Impact Factor-2008 = < 0.05] Print ISSN: 0975-2331 Online ISSN: 0975-4385	1(3)	191-193	2009
27.	<u>Shunmugaperumal Tamilvanan</u>	Formulation of multifunctional oil-in-water	International Journal of	381	62-76	2009

S. No.	Author(s)	Title	Name of Journal	Volume	Page	Year
		nanosized emulsions for active and passive targeting of drugs to otherwise inaccessible internal organs of the human body	Pharmaceutics [Current Impact Factor = 3.607; 5-Year Impact Factor = 3.853] ISSN: 03785173			
28.	<u>Shunmugaperumal Tamilvanan,</u> Ganesh ShesraoBangale, JesudossJeyaAnanthi, VellaichamySivakumar, GanesanVinothapooshan, MadasamyPalanivelu and MabepalliByrappa gowbuViswanathan,	Carvedilol-loaded Mucoadhesive Buccal Tablets: Influence of Various Mucoadhesive Polymers on Drug Release Behavior	PDA Journal of Pharmaceutical Science and Technology [Impact Factor in 2010= 0.562] ISSN: 10797440	63(3)	196-206	2009
29.	<u>SHUNMUGAPERUMAL TAMILVANAN</u> and BISWANATH SA.	In Vitro and In Vivo Evaluation of Single-Unit Commercial Immediate-and Sustained-Release Capsules Compared with Multiple-Unit Polystyrene Microparticles Dosage Forms of Indomethacin	PDA Journal of Pharmaceutical Science and Technology [Impact Factor in 2010= 0.562] ISSN: 10797440	62(3)	177-190	2008
30.	<u>S. Tamilvanan,</u> S. Klang, and S. Benita.	Safety assessments of stearylamine-based cationic emulsion as ocular drug vehicle	INDIAN DRUGS [Impact Factor in 2005= 0.122; H-Index: 21] ISSN: 0019-462X	45(8)	635-642	2008
31.	<u>S. TAMILVANAN,</u>	Manufacturing Techniques and	PDA Journal of Pharmaceutical	62(2)	125-154	2008

S. No.	Author(s)	Title	Name of Journal	Volume	Page	Year
	R. VENKATESH BABU, K. KANNAN, S. K. BASU AND BISWANATH SA,	Excipients Used During the Design of Biodegradable Polymer-based Microspheres Containing Therapeutic Peptide/Protein for Parenteral Controlled Drug Delivery	Science and Technology [Impact Factor in 2010= 0.562] ISSN: 10797440			
32.	<u>Shunmugaperumal Tamilvanan,</u> Narayanan Venkateshan, Annick Ludwig,	The Potential of Lipid-and Polymer-Based Drug Delivery Carriers for Eradicating Biofilm Consortia on Device-Related Nosocomial Infections	Journal of Controlled Release [Impact Factor in 2010= 7.164; 5-Year Impact Factor = 7.424]. (The number one journal in Pharmaceutical Sciences). ISSN: 0168-3659	128/1,	2-22	2008
33.	<u>Shunmugaperumal Tamilvanan,</u> Muhammad Abdulrazik and Simon Benita.	Non-systemic delivery of topical brimonidine to the brain: A neuro-ocular tissue distribution study	Journal of Drug Targeting [Impact Factor-2010 = 2.491; 5-year Impact Factor: 3.024] ISSN: 1061-186X print / ISSN: 1029-2330 online	14(10)	670-679	2006
34.	<u>S.Tamilvanan</u> and B.Sa,	In Vitro and In Vivo Evaluation of Single-Unit (marketed conventional tablet and sustained release	AAPS PharmSciTech [Impact Factor in 2010= 1.211; 5-year Impact Factor: 2.035]	7(3)	72	2006

S. No.	Author(s)	Title	Name of Journal	Volume	Page	Year
		capsules) and Multiple-Units (polystyrene microparticles) Dosage Forms of Ibuprofen	ISSN:1522-1059			
35.	<u>S.Tamilvanan</u> , S. Schmidt, R.H. Müller and S. Benita.	In vitro adsorption of plasma proteins onto the surface (charges)-modified submicron emulsions for intravenous administration	European Journal of Pharmaceutics and Biopharmaceutics [Current Impact Factor = 4.304; 5-Year Impact Factor = 4.400] ISSN: 0939-6411	59(1)	1-7	2005
36.	<u>S.Tamilvanan</u>	Oil-in-water lipid emulsions: implications for parenteral and ocular delivering systems	Progress in Lipid Research [Impact Factor = 11.238 in the year 2015; Five Year Impact Factor = 11.325] ISSN: 0163-7827	43	489-533	2004
37.	<u>S.Tamilvanan</u> ,	Submicron emulsions as a carrier for topical (ocular and percutaneous) and nasal drug delivery	Indian Journal of Pharmaceutical Education and Research [Impact Factor in 2005= 0.630;H-Index: 3] ISSN: 0019-5464	38	73-80	2004
38.	<u>S.Tamilvanan</u> and S. Benita.	The potential of lipid emulsions for ocular delivery of	European Journal of Pharmaceutics and	58(2)	357-368	2004

S. No.	Author(s)	Title	Name of Journal	Volume	Page	Year
		lipophilic drugs	Biopharmaceutics [Current Impact Factor = 4.304; 5-Year Impact Factor = 4.400] ISSN: 0939-6411			
39.	M. Abdulrazik, <u>S. Tamilvanan</u> , and S. Benita.	Ocular and Regional Tissue Distribution of Topically Applied Ocular Therapeutics Part B: Non-Systemic Delivery of Topical Brimonidine to the Brain	Investigative Ophthalmology and Visual Science [Impact Factor in 2010= 3.466; This places <i>IOVS</i> fifth among 55 ophthalmology journals according to the ISI Journal Citation Reports] ISSN: 0146-0404	44: (Available at www.iovs.org)	E-Abstract 4271,	2003
40.	<u>S. Tamilvanan</u> , M. Abdulrazik, and S. Benita,	Ocular and Regional Tissue Distribution of Topically Applied Ocular Therapeutics Part A: How Does a Topically Applied Drug Penetrate to the Back of the Eye?	Investigative Ophthalmology and Visual Science [Impact Factor in 2010= 3.466; This places <i>IOVS</i> fifth among 55 ophthalmology journals according to the ISI Journal Citation Reports] ISSN: 0146-0404	44: (Available at www.iovs.org)	E-Abstract 4270,	2003
41	<u>S.Tamilvanan</u> , Dr R NeslihanGursoy and Professor Simon Benita.	Emulsion-based Delivery Systems for Enhanced Drug Absorption	BUSINESS BRIEFING: PHARMATECH [Impact Factor in 2005= 0.120] ISSN: 1740-7745;		156-160	2002

S. No.	Author(s)	Title	Name of Journal	Volume	Page	Year
			Online ISSN: 1740-7753			
42.	M.Abdulrazik, <u>S.Tamilvanan</u> , K.Khoury, and S.Benita,	OCULAR DELIVERY OF CYCLOSPORIN A. Part 2. Effect of submicron emulsion's surface charge on ocular distribution of topical Cyclosporin A	STP Pharma Science [Impact Factor in 2005= 0.656] ISSN: 1157- 1489	11(6)	427- 432	2001
43.	<u>S.Tamilvanan</u> , K.Khoury, D.Gilhar and S.Benita..	OCULAR DELIVERY OF CYCLOSPORIN A. Part 1. Design and characterization of Cyclosporin A-loaded positively- charged submicron emulsion	STP Pharma Science [Impact Factor in 2005= 0.656] ISSN: 1157- 1489	11(6)	421- 426	2001
44.	<u>S. Tamilvanan</u> and B. Sa.	Studies on in vitro release behaviour of indomethacin – loaded polystyrene microparticles	International Journal of Pharmaceutics [Current Impact Factor = 3.607; 5-Year Impact Factor = 3.853] ISSN: 03785173	201(2)	187- 197	2000
45.	<u>S. Tamilvanan</u> and B. Sa.	Studies on invitro release of ibuprofen – loaded polystyrene microparticles	Journal of Microencapsula tion [Impact Factor in 2010= 1.515; 5- Year Impact Factor = 1.738] ISSN: 0265- 2048	17(1)	57-67	2000
46.	<u>S. Tamilvanan</u> and B. Sa.	Effect of drug – load on the	Acta- PoloniaePharm	56(3)	221- 226	1999

S. No.	Author(s)	Title	Name of Journal	Volume	Page	Year
		internal structure of ibuprofen – loaded polystyrene microparticles	aceutica–Drug Research [Impact Factor in 2005= 0.356; H-Index: 18] ISSN: 0001-6837			
47.	<u>S.Tamilvanan</u> and B.Sa.	Effect of production variables on the physical characteristics of ibuprofen – loaded polystyrene microparticles	Journal of Microencapsulation [Impact Factor in 2010= 1.515; 5-Year Impact Factor = 1.738] ISSN: 0265-2048	16(4)	411-418	1999
48.	<u>S. Tamilvanan</u> and B. Sa.	Effect of production variables on the physical characteristics of indomethacin – loaded polystyrene microparticles	Pharmacy Pharmacology Communication [Impact Factor in 2010= 1.918; ISI Journal Citation Reports © Ranking: 2010: 144/249 (Pharmacology & Pharmacy)] ISSN 0022-3573 Note: Pharmacy and Pharmacology Communications was merged in 2000 into Journal of Pharmacy and Pharmacology- Online ISSN 2042-7158	4	427-432	1998
49	M.K. Samanta, <u>S.Tamilvanan</u> , K.Babu and B.Suresh.	Formulation and evaluation of chlorpromazine hydrochloride loaded self-	Indian Journal of Pharmaceutical Sciences [Impact Factor in	59(2)	68-74	1997

S. No.	Author(s)	Title	Name of Journal	Volume	Page	Year
		crosslinked gelatin microcapsules	2010= 0.455] ISSN: 0250474X / EISSN: 19983743			
50.	S. Tamilvanan, M. K. Samanta, and B. Suresh	The profession of pharmacy and the Nation's Health	THE EASTERN PHARMACIST [Impact Factor in 2005= 0.082] ISSN: 0019-526X	July	21-22	1996
51.	Biswanath Sa and S. Tamilvanan.	Characterization of in vitro release of sulphamethizole from eudragit RL 100 microspheres	INDIAN DRUGS [Impact Factor in 2005= 0.122; H-Index: 21] ISSN: 0019-462X	32(4)	176-183	1995
52.		Treatment of dry eye syndrome by positively-charged submicron emulsion of Cyclosporin	The haaretz, supplement (in Hebrew Language) ISSN: 0077-2305	August	27	2001

Detail of patents:

S.No	Patent Title	Name of Applicant(s)/Inventors	Patent No.	Award Date	Agency/Country	Status
1	An adjunct to non-surgical periodontal therapy and preparation method thereof	Tamilvanan Shunmugaperumal & Saurav Kumar Nayak	Application No: 201711023120	Date of Filing: 30/06/2017	India	Filed

2	Method for preparing a drug loaded oil-in-water macroemulsion	Tamilvanan Shunmugaperumal, Diksha Puri, Rhythm Bassi & Yusuf Nawaz Khan	Application no:201711034483	Date of Filing: 28/09/2017	India	Filed
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Books/Reports/Chapters

S.No	Title	Author's Name	Publisher	Year of Publication
<u>Book Chapters</u>				
1	Multifunctional nanosized emulsions for theragnosis of life threatening diseases	<u>Tamilvanan, S.</u> Raja Sekharan Thenrajan, Ruchi Sharma	Elsevier Publishers, Amsterdam, The Netherlands	2017
2	Lipid- and polymer-based drug delivery carriers for eradicating microbial biofilms causing medical device-	<u>Tamilvanan, S.</u> Varinder Kaur, Raja Sekharan Thenrajan	Springer Publishers, USA	2015
3	Oil-in-Water Nanosized Emulsions: Medical Applications.	<u>Tamilvanan, S.</u>	John Wiley & Sons Publishers, Hoboken, New Jersey, USA	2010
4	Progress in Design of Biodegradable Polymer-Based Microspheres for Parenteral Controlled Delivery of Therapeutic	<u>Tamilvanan, S.</u>	John Wiley & Sons Publishers, Hoboken, New Jersey, USA	2010
5	Oil-in-Water Nanosized Emulsions: Medical Applications.	<u>Tamilvanan, S.</u>	John Wiley & Sons Publishers, Hoboken, New Jersey, USA	2008
6	Progress in the design of Biodegradable Polymer-based Microspheres for Parenteral Controlled Delivery of Therapeutic	<u>Tamilvanan, S.</u>	John Wiley & Sons Publishers, Hoboken, New Jersey, USA	2008

7	Lipid and polymeric colloidal carriers for ocular drug delivery.	S. Tamilvanan and S. Benita.	Taylor & Francis Group, CRC Press, Boca Raton, FL. USA.	2005
<u>Multi-and single-authored international Books</u>				
8	Biofilm Eradication and Prevention: A Pharmaceutical Approach to Medical Device Infections	<u>Tamilvanan</u> <u>Shunmugaperumal</u>	John Wiley & Sons Publishers, NJ, USA	2010
9	Microparticulate dosage form for non-steroidal anti-inflammatory drugs. In vitro and in vivo evaluation	<u>Tamilvanan</u> <u>Shunmugaperumal</u>	LAP LAMBERT Academic Publishing AG & Co. KG, Dudweiler Landstr. 99, 66123 Saarbrücken	2010
10	Clinical concerns of immunogenicity produced by biopharmaceuticals	<u>Tamilvanan</u> <u>Shunmugaperumal</u>	LAP LAMBERT Academic Publishing AG & Co. KG, Dudweiler Landstr. 99, 66123	2010
11	Survey of active pharmaceutical ingredients-excipient incompatibility	<u>Tamilvanan</u> <u>Shunmugaperumal</u>	LAP LAMBERT Academic Publishing AG & Co. KG, Dudweiler Landstr. 99, 66123	2010
12	Preventive strategies for medical device-related nosocomial infections	<u>Tamilvanan</u> <u>Shunmugaperumal</u>	LAP LAMBERT Academic Publishing AG & Co. KG, Dudweiler Landstr. 99, 66123	2011
13	Excipients used in the design of lipidic and polymeric microspheres	<u>Tamilvanan</u> <u>Shunmugaperumal</u> , Ramona Khanum and Kavitha Mohandas	LAP LAMBERT Academic Publishing AG & Co. KG, Dudweiler Landstr. 99, 66123	2011

Scientific Committee Member for an International Conference

I. The 5th International Conference on Nano Science and Nanotechnology 2018 (ICNSNT 2018) to be held on 13th and 14th December 2018 in Colombo, Sri Lanka

II. The 4th International Conference on Nano Science and Nanotechnology 2017 (ICNSNT 2017) held on 13th and 14th December 2017 in Colombo, Sri Lanka

III. International Conference on Antimicrobial Research (ICAR2010), 3-5 November, 2010, Valladolid (Spain).

IV. International Conference on Antimicrobial Research (ICAR2012), 21-23 November, 2012, Lisbon, Portugal.

Professional Recognition/Award/Prize/Certificate, Fellowship received

S.No	Name of Award	Awarding Agency	Year
1	Passed Graduate Aptitude Test in Engineering (GATE) in 1991 and 1992 to complete M. Pharm degree	Department of Education, Ministry of Human Resource Development, Govt of India	1992-1994
2	The Indian Drug Manufacturers Association (IDMA) Award for best paper publication in INDIAN DRUGS journal	The Indian Drug Manufacturers Association (IDMA), Mumbai	1995
3	Senior research fellowship (Direct)-CSIR to complete the Ph D degree from October-1996-May-2000	Council of Scientific and Industrial Research, Govt. of India [CSIR, Grant No. 9/96(281)/96-EMR-I],	October-1996-May-2000
4	Valazzi-Pikovsky Fellowship to undergo a post-doctoral training in Israel from 2001-2003	Fund of the Hebrew University of Jerusalem, Israel	2001-2003
5	Indian J Pharm Education and Research (IJPER) award for best paper publication	Indian J Pharm Education and Research (IJPER), Association of Pharmaceutical Teachers of India (APTI)	2004

6	Council of Scientific and Industrial Research (CSIR), Govt. of India as one of the Top Papers with Impact Factor (IF) > 5 Published by CSIR Scientists and listed in CSIR Annual Report 2004-2005, Page No. 213.	CDRI, Lucknow	2004
7	Royalty for a review article published in Progress in Lipid Research Journal from Elsevier Ltd, The Netherlands (Total US \$ 445.00, Cheque Number 508574, Date 16-MAR-05)	Elsevier Ltd, The Netherlands	2004
8	Antwerp University fellowship to undergo a post-doctoral training in Belgium from 12 October 2005 to December-2006.	Antwerp University, Belgium	2005-2006
9	Tamilnadu Pharmaceutical Sciences Welfare Trust (TNPSWT) for best M. Pharm project (Rs 5000)	Tamilnadu Pharmaceutical Sciences Welfare Trust	2007
10	IKP- Grand Challenges - Explorations (IKP-GCE)- A Two-page research concept note was short-listed as top 13 from a pool of over 100 applications submitted	Bill and Melinda Gates Foundation	2013-14
11	Honorarium (cash award) equivalent of KD 75.00 (INR 16986.77) for reviewing an article for KARGER Publishers (500 years Vesalius, https://www.karger.com/) in Basel, Switzerland	KARGER Publishers (500 years Vesalius, https://www.karger.com/) in Basel, Switzerland	2016
12	Honorarium (cash award) equivalent of KD 75.00 (INR 16986.77) for reviewing an article for KARGER Publishers (500 years Vesalius, https://www.karger.com/) in Basel, Switzerland	KARGER Publishers (500 years Vesalius, https://www.karger.com/) in Basel, Switzerland	2017