

Work Experience

Teaching experience: 25 years

S No	Position	Name of Institution	From	To	Total Experience
1	Assistant Professor	SRIPMS, Coimbatore	24.01.1990	28.2.2001	10 yrs, 1 m
2	Professor	SRIPMS, Coimbatore	01.03.2001	01.03.2008	7 yrs
3	Vice Principal	PSG College of Pharmacy, Coimbatore	07.03.2008	29.11.2014	6 yrs, 8 m
4	Principal	Aditya Bangalore Institute of Pharmaceutical Education and Research, Bangalore	17.07.2015	20.02.2016	7 m

Honors, Distinction and Membership of Learned Societies

Membership of Learned Societies

- i. Life member of Association of Pharmaceutical teachers of India (APTI).
- ii. Member of Indian Pharmacy Graduates Association (IPGA).
- iii. Member of Indian Pharmaceutical Association (IPA), Tamil Nadu Branch

Best Teacher Award

Received the BEST TEACHER AWARD from the Tamil Nadu Dr. MGR Medical University for meritorious contributions in the field of Pharmacy education during the National Pharmacy Week Celebration on 27th November 2010.

Distinguished Alumni Award

Manipal College of Pharmaceutical Sciences awarded me the DISTINGUISHED ALUMNI AWARD for the year 2009, in appreciation of high distinction achieved in the profession and service to humanity on 27th February, 2010.

Research Experience

Research Grants Awarded

I. The Tamil Nadu Dr. MGR Medical University Sponsored Project

The project work entitled “Development of Surface Modified Lipid Nanoparticles for Selective Targeting of Tumor Cells in Lymph Nodes to Prevent Metastasis and it’s Evaluation in BALB/c Mice Cancer Model” was sponsored by The Tamil Nadu Dr. MGR Medical University during the year 2014- 2016.

II. AICTE Sponsored Project

The project work entitled “Development of nano fiber drug delivery system for treating burn wounds” was sponsored (**18 Lakhs**) by AICTE under RPS scheme (Ref No. 20/AICTE/RIFD/RPS (POLICY-III) 144/2012-13) dated March 2013, during the year 2013-2016.

III. AICTE Sponsored Project

The Project entitled “Modernization of Pharmaceutics Lab for Nano Drug Delivery” was sanctioned (**Rs.5 lakhs**) by AICTE under MODROBS scheme (No.8024/RIFD/MOD/248/ 11/12), during the year 2011-2012.

IV. ICMR Grant

The project work entitled “Development of Nanoparticle Drug Delivery system for Alzheimer’s disease” was sanctioned (**Rs. 26 lakhs**) for a period of 3 years by Indian council of medical Research (No.35/36/2010/Nano-BMS; dated 20th Oct, 2010).

V. AICTE Sponsored Project

The Project entitled “Modernization of Pharmaceutics Lab for formulating and analyzing colonic targeted drug delivery system” was sponsored (**Rs 7 Lakhs**) by AICTE under MODROBS scheme (8018/RID/MODROB-473/98-99), during the year 1998-1999.

Consultancy Project

Study of bioavailability of Nimesulide - Project *sponsored by Chethana Drugs and Chemicals Private Limited.*

Sponsored projects under my guidance

1. Tamilnadu Pharmaceutical Sciences Welfare Trust awarded Rs. 8000 for the project work entitled “Brain targeted delivery of Betulinic acid loaded nanoparticles for tumor” during the year 2009 – 2010.
2. Tamilnadu State council for science and Technology, Chennai awarded Rs. 10,000 for the project work entitled “Colon cancer targeted delivery of Capecitabine using poly (D, L – Lactic acid Co-glycolic acid) nanoparticles” during the year 2009 – 2010.
3. Tamilnadu State council for science and Technology, Chennai awarded Rs. 5000 for the project work entitled “Site specific controlled release Capecitabine microspheres for Colon Cancer” during the year 2008-09.
4. Tamilnadu Pharmaceutical Sciences Welfare Trust awarded Rs. 7000 for the project work entitled “Formulation and Characterization of 5-Fluorouracil nanoparticles using Eudragit S100 for Colorectal Cancer” during the year 2007-08.

Book Publication

1. A Practical Handbook of Physical Pharmaceutics for B.Pharm

Author: Dr. C. Vijaya Raghavan

Published By: New Century Book House Pvt. Ltd., Chennai-600 098

ISBN NO.81-234-0439-5; Code No. A 863

First Edition: April, 1995

Second Edition: December 2005

Third Edition: December 2008

2. Experimental Biopharmaceutics and Pharmacokinetics for M.Pharm

Author; Dr. C. Vijaya Raghavan and Mrs. Judith Justin

Published By: New Century Book House Pvt. Ltd., Chennai-600 098

ISBN No.81-234-1012-3; Code No. A 1439.

First Edition: June 2006

JOURNAL

Chief Editor: International Journal of Pharma Research.

Advisory Board member: "Saudi Pharmaceutical Journal" Published by Elsevier.

INTERNATIONAL CONFERENCES ATTENDED

1. 3rd International Conference and Exhibition on Pharmaceutics and Novel Drug Delivery Systems, April 8-10, 2013 Hilton Chicago/Northbrook, USA

As an invited speaker I attended Pharmaceutica 2013 on April 8-10, 2013 Chicago, USA and presented a paper entitled "Study on brain targeting Zidovudine loaded PLGA nanoparticles for AIDS Therapy"

2. International conference July 15-17, 2012 Amsterdam, The Netherlands

As an invited speaker I attended Colloids and Nano medicine 2012 on July 15-17, 2012 Amsterdam, The Netherlands, I presented a paper entitled "Development of Hydrogel nanoparticle Drug delivery System for Promoting Diabetic Wound Healing". The grant for the travel was sanctioned by the Indian Council of Medical research (ICMR)

3. International conference: Oct. 3-5, 2008 Nurnberg, Germany

As an invited speaker I attended 2nd World Conference on Magic Bullets, October, 3-5, 2008, Nurnberg, Germany. During the conference, I chaired the Scientific Session Pharmaceutics - Drug Delivery on 4th October along with C. Wang, Singapore and R.J. Babu, Tallahassee, USA. A talk on "Study of Tenoxicam on various drug delivery systems" was delivered and I had a useful interaction with scientists who are working in this similar field. On 6th October I visited Institute for Biomedical and Pharmaceutical Research Nordberg, Herodsbers, Germany and met Prof. Dr. Fritz Sorget and his research team and discussed the areas of collaborative research on new drug delivery systems and exchanged the scientific outcome.

CONFERENCE ORGANISED

1. 1st International conference on Drug Delivery (ICODD 2010)

As a convener I organized 1st International conference in drug delivery, during 29-30th January 2010 at PSG College of Pharmacy. The conference was sponsored by DST, DST, CSIR & ICMR. Nearly 800 delegates from both India and abroad were participated in the conference.

2. 2nd International conference on Drug Delivery (ICODD 2011)

As a convener I organized 2nd International conference in drug delivery, during 21-22nd January 2011 at PSG College of Pharmacy. The conference was sponsored by CSIR. Nearly 400 delegates from both India and abroad participated the conference.

3. Conducted a National Level AICTE, CSIR, and DRDO Sponsored Technical Symposium

As a convener I organized a symposium on “Advanced approaches in Formulation development and drug targeting was conducted on 18th October 2008 at PSG college of Pharmacy. A poster presentation was organized during the symposium. Nearly 300 participants from various institutions all over India participated in the symposium and 135 scientific research papers were presented and best three posters were awarded with prizes.

4. Conducted a National Workshop on “Nano Drug Delivery Techniques”

As a convener I organized a two day workshop on “Nano Drug Delivery Techniques” at PSG College of Pharmacy, Coimbatore, on 27th April, 2012. 50 scholars participated in the workshop and were given hands on training on TEM, Malvern Particle size analyzer and Atomic Force Microscopy.

5. 3rd International Conference on Drug Delivery (ICODD 2014)

As a convener I organized 3rd International conference in drug delivery, during February 28th- March 01st, 2014 at PSG College of Pharmacy. The conference was sponsored by DBT. Nearly 400 delegates from both India and abroad participated in the conference.

CHAIRMAN

International Conference

Chairman for International Conference – Scientific session.

2nd World Conference on Magic Bullets, October 3-5, 2008, Nurnberg, Germany. I was appointed as Chairman for conducting the scientific session Pharmaceutics- Drug delivery on 4th October, 2008, along with C. Wang. Singapore and R.J. Babu Tallahasu, USA.

National conference

Chairman for National conference – Scientific session.

National conference on “Stereo chemical Adventures in the Synthesis of challenging Drug Molecules” appointed as Chairman for conducting the scientific session Synthesis an Industry Perspective on 3rd July 2009.

National Seminar on “Cancer Biology and Development of new Chemical Entities” appointed as Chairman for conducting the scientific session on 22nd November 2008.

Resource person

1. Invited as a resource person for the Staff Development programme on “New Frontiers in Herbal Drug Research based on Traditional Practices” organized by Department of Phytopharmacy and Phytomedicine TIFAC CORE HD J.S.S College of Pharmacy, Ooty and delivered a talk on “An innovative and promising extraction tool for medicinal plant research during 25th Feb to 8th March 2008.
2. Invited as a resource person for the academic excellence programme of Amrita School of Pharmacy, Amrita Vishwa Vidyapeetham, University, Kochi and delivered a talk on “Pharmacokinetics” which was held on 30.01.2009.
3. Invited as a resource person to deliver a talk on “Nanotechnology in drug delivery systems” organized by Department of Pharmaceutics, J.S.S. College of Pharmacy and Ooty for the Quality Improvement Programme which was held during 16th- 22nd March 2009.
4. Invited as a resource person for one day national seminar on “Recent trends in Pharmaceutical Technology” and delivered a talk on “Nanotechnology in drug targeting on 18th July 2009.
5. Invited as a resource person for national seminar sponsored by AICTE on “Role of nanotechnology in the development of herbal medicine and update” organized by Periyar College of Pharmaceutical Sciences for girls and delivered a talk on “Nanotechnology and Update” on 11th February 2010.

Research paper presented

Research paper presented at Centre for Pharmaceutical Nanotechnology, National Institute of Pharmaceutical Education and Research, Chandigarh, during Feb 24-28, 2009. The research paper entitled “Targeting of 5-fluorouracil nanoparticles to colorectal cancer using Eudragit S100” was one among the top 50 papers selected for presentation in India.

PUBLICATIONS (Total impact factor for SCI indexed articles: 33.288)

International Publications

1. **C. Vijaya Raghavan**, V.D. Abimon, Intranasal delivery of tenoxicam in rat, International Journal of Pharmaceutics, 221, 227-229, 2001. (Impact factor- 3.785; H index- 127).
2. **Chellan Vijaya Raghavan**, Chidambaram Muthulingam, Joseph Amaladoss Josephine Leno Jenita. Thengungal Kochupapy Ravi, An in Vitro and in Vivo Investigation into the Suitability of Bacterially Triggered Delivery System for Colon Targeting Chem. Pharm. Bulletin (50)7, 892-895, 2002. (Impact factor- 1.507; H index- 67).
3. **Chellan Vijaya Raghavan**, Janaki, Akkaiyan Ramakrishnan. An *in vitro* and *in vivo* study of buccal dosage form using flax seed polymer and chitosan, Erciyes Medical Journal, 29(3), 175-262, 2007.
4. **C.Vijaya Raghavan**, S. Vasanthakumar, A. Ramakrishnan, An *in vitro* and *in vivo* Evaluation of locust bean gum and chitosan combination as a carrier for buccal drug Delivery, Die Pharmazie, 63, 2008. (Impact factor- 0.96; H index- 43).
5. Vasanthakumar Sekar and **Vijaya Raghavan Chellan**, Immediate release tablets of Telmestartan using superdisintegrant - Formulation, Evaluation and Stability Studies, Chem. Pharm. Bull. 56(4), 2008. (Impact factor- 1.507; H index- 67).
6. S.Subramanian, V.Sankar, **C. Vijaya Raghavan**, G. Andhuvan, Formulation and Physico-Chemical Evaluation of Transdermal Patches containing Cetrizine dihydrochloride, International Journal of Pharma Research, 2, 518-520,2009.
7. Dixon Thomas, R. Narayana charyulu, G.P. Mohanta, Molly Mathew, **C.Vijayaraghavan**, Seeba Zachariah, Risk of “evidence” based drug use through pregnancy risk category, International Journal of Community Pharmacy, 2, 5-10, 2009.
8. **Chellan Vijaya Raghavan**, Sekar Vasanthakumar and Akkaiyan Ramakrishnan. *In vitro* and *in vivo* evaluation of moringa gum as a carrier for buccal drug delivery. Erciyes Medical Journal, 071-080, 32(2), 2010.
9. Dixon Thomas, Molly Mathew, **Chellan Vijaya Raghavan**. Influence of Diet and NSAIDs in Allergic Skin Reactions. International Journal of Collaborative Research on Internal Medicine & Public Health; 3(6):526-532. 2011. (H index- 6).
10. K. Balakumar, **C. Vijaya Raghavan**, B. DineshKumar, N. TamilSelvan, R. Hariprasad. Development of 5-fluorouracil loaded EUDRAGIT S100 Nanoparticles: colorectal cancer International Journal of Pharma Research 2011.
11. S.Subramanian, B.Raj Kapoor, **C.Vijaya Raghavan**, Formulation and Physico-chemical evaluation of fexofenadine hydrochloride transdermal patches, International Journal of Pharma Research ,vol 2(2), 94-98, 2011.
12. S.Subramanian, B.Raj Kapoor, **C.Vijaya Raghavan**, Design and Physio-Chemical evaluation of cetirizine dihydrochloride transdermal patches, International Journal of Research in Pharmaceutical Sciences, 2(3),518-520.2011. (H index- 9).
13. **Chellan Vijaya Raghavan**, Krishnamoorthy Balakumar, Natarajan Tamilselvan, Judith Justin, Evaluation of a novel, natural badam gum as a sustained release and mucoadhesive component of atenolol buccal tablets, International Journal of Pharmacy and Pharmaceutical sciences.vol 4(1),85-91,2012. (Impact factor- 1.59; H index- 17).

14. Dixon Thomas, Molly Mathew, **Vijaya C.Raghavan**,Guru P Mohanta, Padmanabha Y.Reddy, Days lost due to disability of diclofenac-induced adverse drug reactions , Pharmacy Practice(Internet) 2012.
15. **C.Vijaya Raghavan**, K.Balakumar, N.Tamilselvan, B.Dinesh Kumar, Blood Brain Barrier: Surface modified nanocarriers and *In vitro* models to treat Alzheimer's disease- A review.International Journal of Advances in Pharmaceutical Research, 2012.
16. **Chellan Vijaya Raghavan**, K.Balakumar, N.Tamilselvan. Carbon Nanotubes: A Versatile Technique for Drug Delivery. International Journal of Nanomaterials and Biostructures, 2012.
17. **Chellan Vijaya Raghavan**, Raju Sivakumar, K.Balakumar, N.Tamilselvan. *In-vitro* kinetic and cytotoxicity study: ph sensitive nanoparticles for targeting colon cancer, International Journal of Advances in Pharmaceutical Research, 2012.
18. **Chellan Vijaya Raghavan**, Kulkarni.A.S, Polyherbal Mixture Protects against Ethanol- Induced gastric Ulcers and Liver necrosis in rats, Journal of Pharmacy research, Vol.5.Issue.8 August 2012.
19. Krishnamoorthy Balakumar, **Chellan Vijaya Raghavan***, Natarajan Tamil Selvan, S.M. Habibur Rahman, Self emulsifying drug delivery system: Optimization and its prototype for various compositions of oils, surfactants and co-surfactants. Journal of Pharmacy Research, 6, (2013) 510-514.
20. G.V. Peter Christoper, **C. Vijaya Raghavan**, K. Siddharth, M. Siva Selva Kumar, R. Hari Prasad. Formulation and optimization of coated PLGA– Zidovudine nanoparticles using factorial design and in vitro in vivo evaluations to determine brain targeting efficiency. Saudi Pharmaceutical Journal. (Impact factor- 1; H index- 14).
21. Krishnamoorthy Balakumar, **Chellan Vijaya Raghavana**, Natarajan Tamil selvan, Ranganathan Hari Prasad. Self nanoemulsifying drug delivery system (SNEDDS) of Rosuvastatin calcium: Design, formulation, bioavailability and pharmacokinetic evaluation. Colloids and Surfaces B: Biointerfaces 112 (2013) 337– 343. (Impact factor- 4.287; H index- 75).
22. Balakumar Krishnamoorthy, Vamshikrishna Karanam, **Vijaya Raghavan Chellan**, Karthik Siram, Tamil Selvan Natarajan, Marslin Gregory. Polymersomes as an effective drug delivery system for glioma - a review. J Drug Target. 2014 May 15:1-9. (Impact factor- 2.723; H index- 61).
23. Karthik Siram, **Vijaya Raghavan Chellan**, Tamil Natarajan, Balakumar Krishnamoorthy, Habibur Rahman S M, Vamshi Krishna Karanam, Siva Selva Kumar Muthuswamy, Hari Prasad Ranganathan. Solid lipid nanoparticles of diethylcarbamazine citrate for enhanced delivery to the lymphatics: in vitro and in vivo evaluation. Expert Opin Drug Deliv. 2014 May 21:1-15. (Impact factor- 4.869; H index- 50).
24. Arjunan K, Britto Duraisingh L, Tamil Selvan T, Vaiyana Rajesh C, **Vijaya Raghavan C**. A review on various methods used for the production of nanocrystals for poorly soluble drugs. International Journal of Pharmaceutical Research and Development. 001- 007. November 2014.
25. Arjunan K, Tamil Selvan T, Vaiyana Rajesh C, **Vijaya Raghavan C**. Preparation and characterization of nanocrystal for solubility and dissolution rate enhancement of

- acyclovir. *International Journal of Universal Pharmacy and Bio Sciences* 3(6): November-December 2014.
26. Natarajan Tamilselvan, **Chellan Vijaya Raghavan**, Krishnamoorthy Balakumar, Siram Karthik. Brain targeted delivery of rivastigmine polymeric nanoparticles through oral administration to treat alzheimer's disease. *International Journal of Research in Pharmaceutical and Nano Sciences*. 3(6), 2014, 536- 551.
 27. Muthuirulappan Thirumaran, Krishnamoorthy Balakumar, **Chellan Vijaya Raghavan**, Sinnadurai Thuvaragan. Formulation and in vitro release kinetic study of an enteric coated paroxetine controlled release tablets. *Asian Journal of Research in Chemistry and Pharmaceutical Sciences*. 2(2), 2014, 63 – 73.
 28. Natarajan Tamilselvan, **Chellan Vijaya Raghavan**, Krishnamoorthy Balakumar, Siram Karthik. Preparation of plga nanoparticles for encapsulating hydrophilic drug: modifications of standard methods and it's in vitro biological evaluation. *Asian Journal of Research in Biological and Pharmaceutical Sciences*. 2(3), 2014, 121 - 132.
 29. Balakumar Krishnamoorthy, S. M. Habibur Rahman, N. Tamil selvan, R. Hari prasad, M. Rajkumar, M. Siva selvakumar, K. Vamshikrishna, Marslin Gregory, **Chellan Vijayaraghavan**. Design, formulation, in vitro, in vivo, and pharmacokinetic evaluation of nisoldipine-loaded self-nanoemulsifying drug delivery system. *Journal of Nanoparticle Research*. (2015) 17:34, 1-11. (Impact factor- 2.27; H index- 66).
 30. Vamshikrishna Karanam, Gregory Marslin, Balakumar Krishnamoorthy, Vijayaraghavan Chellan, Karthik Siram, Tamilselvan Natarajan, Bhaskar Balaji, Gregory Franklin. Poly (ϵ -caprolactone) nanoparticles of carboplatin: Preparation, characterization and in vitro cytotoxicity evaluation in U-87 MG cell lines. *Colloids and Surfaces B: Biointerfaces* (2015). Inprint Doi:<http://dx.doi.org/doi:10.1016/j.colsurfb.2015.04.005>. (Impact factor: 4.287).

National Publications

1. **C. Vijaya Raghavan**, M. Manjula Devi, "Pharmacokinetic interaction between rifampicin and tenoxicam in healthy human volunteers", *Indian Drugs*, 1997, 34(3), 132.
2. **C. Vijayaraghavan.**, R. Vijayaraj, "Spectrophotometric determination of tenoxicam in plasma and urine samples", *Indian Drugs*, 1997, 34(10), 604. (H index- 27).
3. **C.V. Raghavan.**, V.V. Sekhar, "The effect of aspirin on pharmacokinetics of piroxicam in healthy male volunteers", *The Eastern Pharmacist*, 1996 May, 123.
4. **C. Vijaya Raghavan**, Manjula Devi A.S, "In-vitro interaction between rifampicin and tenoxicam at protein binding sites", *Indian Drugs*, 35(5), May 1998, 298. (H index- 27).
5. **Vijayaraghavan.C.** Ravi., T.K., Senthil Kumaran., Sivakumar, K.K. "The effect of ciprofloxacin on pharmacokinetics of tenoxicam in healthy male volunteers", *Antiseptic*, Vol. 95, No. 1, P: 1-3, Jan 1998.
6. Tizy Josephy, Balasubramani, K., **and Vijaya Raghavan**, "Colonic drug delivery: In-vitro release of mesalazine from polysaccharide matrices in rat cecal content", *Drug Lines*, Vol. 2, No. 1, August 1998 (20-24).
7. A.Sardar Ameer AN., J. Senthil Murugan, S.M., Shameem, P. Shanmugapriya, S. Srikumar, **C. Vijaya Raghavan**, Madhu.C. Divakar. "Effect of Betacyclodextrin on piroxicam pharmacokinetics and on in-vitro absorption using insitu rat gut technique", *Indian Drugs*, 36(4), April 1999. (H index- 27).

8. Ramakrishnan R., Sangeetha, A.S., Pon Maheshwari, Saleshier, **Vijayaraghavan C.**, Madhu C. Divakar. "De-bittering process of citrus juices using Betacyclodextrin polymers and reprocessing of the juices with corresponding limonoid dihydro chalcones", *The Antiseptic*, Vol. 96, No. 5, P. 185-188.
9. **Vijaya Raghavan C.**, Binu John P., Barish, Madhu C. Divakar, "Bio-equivalence of Flurbiprofen tablets in healthy male volunteers", *The Antiseptic*, Vol. 96, No. 4, 129-30.
10. **C.Vijayaraghavan**, Abimon V.P., Gandhimathi, T.K. Ravi., "Intranasal Delivery of tenoxicam in humans", *Indian Drugs*, 37(12), Dec 2000. (H index- 27).
11. **Raghavan Vijaya , C.**, Karthikeya, V., Rajakumari Latha, R., Maheswari, R., Nayaki Kothai, S.K., and Varghese Jinu C. "Effect of paracetamol on the pharmacokinetics of nimesulide *Indian Drugs*", 38 (5) May 2001. (H index- 27).
12. **Vijaya Raghavan, C.**, Ravi, T., K., "Buccal delivery of nifedipine using a novel, natural mucoadhesive polymer as an excipients in buccal tablets", *Indian drugs* 41 (3) March. 2004. (H index- 27).
13. S. Prasath, Lalitha Ramaswamy, **C. Vijaya Raghavan**, "Pharmacokinetic interaction of nifedipine with food supplement Flax seed oil in humans". *Journal of nutrition* 20 (2) 2004. (Impact factor- 4.69; H index- 174).
14. Dixon Thomas, Seeba Zachariah and **C. Vijaya Raghavan**, "Importance of stress conditioning for professional practice", *The Indian Pharmacist*, 37-40, Feb-2010.
15. Dixon Thomas, Seeba Zachariah, Molly Mathew, **C. Vijaya Raghavan**, "Evidence Shift On Pregnancy Risk of Progestins" , *Calicut Medical Journal* 2010;8(1).
16. Kulkarni A.S., **C. Vijaya Raghavan**, Shekhar A.A, Patil S.K, Mane A.A, Karale S.S. "Protective Effect of *Pistacia Khinjuk* on *pheretima posthuma* and *Ascardia galli*", *Deccan Pharma Journal series*. 2(1) 2011.

(Dr. C. VIJAYA RAGHAVAN)