

**Dr.P.K.Lakshmi, M.Pharm,PhD.**  
**Professor, Department of Pharmaceutics**  
**G. Pulla Reddy College of Pharmacy**  
**Hyderabad 28**  
**(Ex.Director, DIC, Karnataka State Pharmacy Council, Bangalore)**

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### **Career objective**

To educate and impart theoretical & practical pharmaceutical skills to students and work towards their continued growth and development so as to groom them as the best professional and good human being to the society.

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### **QUALIFICATIONS**

X Std (80.4%)	Government girls high school, Vellore, Tamilnadu	1983
XII Std (78%)	Auxilium higher secondary school, Vellore, Tamilnadu	1985
D.Pharmacy (74%)	Christian medical college & Hospital, Vellore, Tamilnadu	1986
B.Pharm (74%)	Madras Medical College, Chennai	1990
GATE (96percentile)	IIT Chennai	1990
M.Pharm- (70%)	M.S.University Baroda, Gujarat	1993
PhD (Pharmaceutics)-	Rajiv Gandhi University of health Sciences, Karnataka	2006

### **TEACHING EXPERIENCE**

- 14 years of teaching experience in various pharmacy colleges of Tamilnadu, Karnataka, Andhra Pradesh, 1993-2007
- As a professor and head of the department of pharmaceutics, G.Pulla Reddy College of Pharmacy, Hyderabad, 2008-till date
- Recognised PhD guide under Osmania University, JNTU Hyderabad and JNTU Kakinada.
- Approved PG & PhD examiner for Rajiv Gandhi University of health sciences, Karnataka, Dr.MGR Medical University, Chennai and JNTU, Hyderabad and Osmania University, Hyderabad

Total no. of M.Pharm students guided	30
Total no of PhD students under guidance	05
Total teaching experience	19 yrs

### **PROFESSIONAL EXPERIENCE**

Director, Drug Information Center, Karnataka State Pharmacy Council, Vijayanagar, Bangalore, Karnataka  
1998-2007

### PROFESSIONAL TRAININGS

- Strategies to improve RUD, & Technical Briefing seminar held at WHO Head quarters, Geneva, Switzerland.2005
- Sponsored for PRDUC training by SEARO –WHO India held in Jaipur,India 2004
- Trained in Drugs and therapeutic committee by WHO – India & MSH, Boston University, USA held at Mumbai, India 2004
- Trained in MTP sponsored by WHO India held in Indonesia 2006
- Trained in professional writing sponsored by ISDB, UK, held in Australia 2006
- Participated in conduction of clinical trail in association of Pharmaceutical Teachers of India (APTI) in association with Clintec India International.held at Bangalore,India 2003
- Trained by Karnataka AIDS prevention society, Bangalore,India –training of trainers in HIV\_AIDS, 2004
- Trained in scientific writing conducted by ICMR sponsored workshop held at Department of Pharmacology, JIPMER, Pondicherry, TN 2002
- Trained in Clinical pharmacy and drug information at Austin Health, Melbourne, Australia 2000
- Trained in pharmacovigilance conducted by WHO-India & CDSCO 2001

### **Ph.D STUDENTS CURRENTLY UNDER GUIDANCE**

- Mr.Shamugam V, Formulation and in vitro evaluation of topical mupirocin-loaded alginate microspheres, JNTU Kakinada, 2009.
- Ms.Prasanthi D, Novel methods to improve permeation of drugs in transdermal drug delivery, JNTU,Hyderabad,2009
- Ms.Jyothi G, Novel methods to enhance bioavailability of some poorly soluble drugs, JNTU,2012
- Mr.Panga silas, and Mayuri B, OsmaniaUniversity, 2013.

### **POST GRADUATE STUDENTS GUIDED (2009- 2013)**

S.No	Year	Student name	Title of the thesis
1	2009	Trilochan das	Formulation and evaluation of aceclofenac floating microspheres
2		Jayachandrababu. C	The effects of polymers and permeation enhancers on in vitro release of aceclofenac from topical gel formulations
3	2010	T K Indira	Enhancement of bioavailability of fenofibrate with vitamin e and phospholipids
4		D.Shravani	Formualtion and evaluation of Duloxetine modified release pellets
5		J.Sreekanth	Formualtion and evaluation of fast releasing oral thin films of Levocetirizine dihydrochloride with Eudragit EPO
6		Jattu Jyothy	Formualtion and evaluation of orodispersible tablets of Ondansetron hydrochloride with natural and synthetic super disintegrants.
7		Y.Lalitha	Enhancement of dissolution of Nifedipine by surface solid dispersion technique
8		M.Anand Kumar	Formualtion and In vitro evaluation of Tamsulosin hydrochloride extended release pellets
9		M.Kranthi Kumar	Formualtion and evaluation of Ibuprofen topical gel: A novel approach for penetration enhancement.
10		Noor Zulal Ahmed	Enhancement of Solubility and Bioavailability of Candesartan Cilexetil Using Natural P-Glycoprotein Inhibitors
11	2011	CH.Srinivas	Preparation and comparative evaluation of liquisolid compacts and solid dispersion of Valsartan.
12		CH.Vaishnavi	Characterization of sustained release tablets of Mesalamine containing pellets prepared by extrusion technique

13		Y.Narendra	Formulation and evaluation of oral dispersible tablets of Levocetirizine dihydrochloride with synthetic and natural super disintegrants
14		K.Mohan Raghava Srivalli	Design and evaluation of bilayered gastric mucoadhesive tablets of Lamotrigine
15		B.Rita	Formulation and evaluation of Hydroxyzine Hydrochloride modified proniosomal gel
16		Ch.Saroja	Formulation and Evaluation of fenofibrate lipospheres
17		Susmitha Reddy	Preparation and evaluation of hydroxyzine hydrochloride transdermal patches
<b>2012</b>			
18		Manthana Sridhar	Formulation and in vitro evaluation of bilayered floating tablets of Lamotrigine
19		Swathi Latha R	Bioavailability enhancement of Losartan potassium using natural and synthetic P-glycoprotein inhibitors
20		B.Kalpna	Transdermal permeation enhancement of Tolterodine tartrate through invasomes and iontophoresis
21		Swetha Reddy Eticala	Preparation and evaluation of orodispersible tablets of Lamotrigine solid dispersions
<b>2013</b>			
22		V.Mounica	Curcumin invasomes – A novel vesicular drug delivery for the treatment of diabetes
23		Rajtha	Effect of terpenes on transdermal permeation of Ibuprofen solid dispersions
24		B.Shruthi	Preparation and evaluation of buccal patches of dexamethasone phosphate for the treatment of submucosal fibrosis
25		B.Lavanya	Preparation and evaluation fast dissolving oral thin films of donepezil hydrochloride
26		Anusha. B	Preparation and evaluation of FDC of fenofibrate and atorvastatin
27		O.Priyanka	Preparation and evaluation of fenopfen osmotic tablets
28		Devika	Preparation and evaluation of mebeverine pellets
29		K.Mounica	Preparation and evaluation of lamotrigine transdermal patches
30		P.Pawana	Preparation and evaluation of tolteridone reservoir patches
		<b>Postgraduate students currently under guidance</b>	<b>2014</b>
31		K.Srinija	Preparation and evaluation of proliposomal fluconazole topical powder for the treatment of cutaneous fungal infections
32		A.Pranitha	Effect of physicochemical properties on transdermal permeation of some weakly acidic drugs
33		R.Aparanjitha	Preparation and evaluation of fluconazole Liquid pessary
34		K.Samratha	Buccal mucoadhesive tablet of lamotrigine
35		T.Chandrasekar	Preparation and evaluation of ODF of sildenafil citrate
36		R.Sreekanth	Preparation and evaluation of olanzapine oral dispersible tablets
37		G.Santhosha	Solid dispersions of telmisartan
38		G.Swathi	Transdermal verapamil emulgel for the treatment of dupuytren's disease/peyronie's disease

### ACHIEVEMENTS AND AWARDS

- As a consultant & project co-ordinator obtained funding from WHO-India country office to setup five (5) drug information centers in India. The centers are successfully running in Rajasthan, Goa, Chhatisgarh, Assam and Haryana. (Dec 2006)
- Organised International workshop on Drug information for WHO SEARO for SAARC countries. (May 2007)
- Obtained international accreditation and membership from ISDB (International Society of Drug Bulletins) for Drug Information center's bulletin.
- Instrumental in "Setting up of Clinical Pharmacy Department at VictoriaHospital" (a tertiary care government hospital), BangaloreIndia.
- Instrumental in "Setting up of DrugInformationCenter at Bowring and LadyCurzonHospital" (tertiary care government hospital), BangaloreIndia.
- Gold medalist from the MadrasUniversity for the year 1990.
- Best outgoing student of MadrasMedicalCollege for the year 1990.

- Received G.P. Nair award from Indian Drug Manufacturers Association.1990

### **WORKSHOPS ORGANIZED FOR NATIONAL AND INTERNATIONAL ORGANIZATION**

- Organized an international workshop on “Drug Information training” sponsored by WHO, SEARO in May 2007 for SAARC countries.
- Organized a national workshop on ““Drug Information training” sponsored by WHO India country office, Delhi in Dec 2006 for 5 states in India.
- Organized more than 50 workshops for pharmacists and doctors, on rational use of drugs (RUD) for H&FW department of Karnataka.
- Organised HIV-AIDS training program for ART pharmacists of Karnataka and Andhra Pradesh sponsored by NACO, India in Jan 2011 & June 2011.

### **BOOKS EDITED**

- Breathing easier with asthma
- Hand book of Pharma SOS -
- Drug usage in special population-Pregnancy & Lactation
- Drug usage in special population-Pediatrics & Geriatrics
- Hand Book of drug usage in pregnancy and breastfeeding-II Edn

### **CHAPTERS CONTRIBUTED**

- Psoriasis, P.K.Lakshmi, CH.Saroja, in Cosmeceuticals, 2012, edited by Madhusudan Rao & Dr.Shayeda. Published by Pharma med press, BSP Books Pvt Ltd, Hyderabad, India. pg. no.194-254.
- Resealed Erythrocytes, P.K.Lakshmi, T.K.Indira, in Advances in Drug delivery, Vol.II. 2012, edited by Madhusudan Rao & A.V.Jithan, Published by Pharma med press, BSP Books Pvt Ltd, Hyderabad, India. pg. no.112-151.

### **MEMBERSHIP**

- Member of “International Pharmaceutical Federation (**FIP**).
- Member of Pharmacy information (**PI**) section of FIP.
- Member of ‘International Young Pharmacists” (**YPG**) group.
- Life member of Indian Pharmaceutical Association (**IPA**)
- Life member of All India Pharmacy Teachers Association (**APTI**)
- Member, Indian pharmaceutical association, India- community pharmacy division.

### **AS A RESOURCE PERSON**

- Two days seminar on Continuing Pharmacy Education (**CPE**) Programme for the Community Pharmacists conducted at Hubli, Karnataka.2003
- One-day programme on the inaugural function of Pharma Information Centre at Madras, Tamilnadu.2004
- As part quality improvement programme sponsored by AICTE for the Pharmacy Teachers at JNMC, Belgaum.2004
- As a part of Continuing Education Programme conducted at Indian Pharmaceutical Association, Tamilnadu Branch, at Madras, Tamilnadu.2004
- As a part of Continuing Education Programme conducted at Karnataka State Pharmacy Council conducted by Karnataka Health System Development Project for Hospital Pharmacists of KHSDP.2005
- As a resource person for more than 25 CME programs conducted all over Karnataka.2003-2004
- Conducted 1 day Nursing Education Programme at Manipal Hospital and Baptist mission hospital, Bangalore.2005
- As a resource person for many CME programmes at Victoria and Vanivilas Hospital.2005

- As a resource person, for two day workshop on “Drug information” conducted at JIPMER,pondicherry, 2009.
- As a resource person, delivered a talk on, “Scope of clinical pharmacy” at Rao’s college of pharmacy, Nellore, AP. 2010
- As a resource person for two day workshop on “clinical pharmacy”conducted at , Ramachandra medical college, porur, Chennai, 2011.
- As a speaker for oneday workshop on national pharmacy week celebrations conducted at KK college of pharmacy, irungatukotai,porur, Chennai, on 18<sup>th</sup> Nov 2013.

### **ARTICLES PUBLISHED IN NATIONAL AND INTERNATIONAL JOURNALS**

**National articles : 30 ; International articles :24**

#### **2002**

1. An article on “Development and Use of an Independent Drug Information Center in India. J Pharm Pract Res 2002 (March); 32 (1): 24-6.
2. An article on “Doctors Preference of location of Drug Information Center leads to Clinical Pharmacy Initiatives in India”, “Journal of Pharmacy Practice and Research” Sept 2002; 32(3):240-241.
3. An article on “The Changing Status of Hospital Pharmacy Practice in India”, “International Pharmacy Journal”, July 2002;16(1):20-22.
4. An article on “The Karnataka State Pharmacy Council Project”, International Pharmacy Journal”, July 2002;16(1):22-23.

#### **2003**

5. An article on “perspectives and prospectives of Indian pharmaceutical industry”, International Pharmacy Journal”, July 2003.
6. A letter, on “Pharmaceutical industry and the third world” published in the lancet, March 2003.

#### **2005**

7. An article on “Drug information services in India” in International Pharmacy Journal, volume 19, no.1, august 2005. 8. An article on, Methylcyanocobalamine, in International Medical Journal, May 2005
8. Clinical Management of psoriasis using 0.25% niosomal Methotrexate gel – A placebo controlled double blind study. The Internet Journal of dermatology, Volume 3, Number 1, 2005.

#### **2007**

9. P.K.Lakshmi, Prices & availability of common medicines at six sites in India using a standard methodology, Indian J Med Res 125, May 2007, 645-654.
10. P.K.Lakshmi, Niosomal methotrexate gel in the treatment of localized psoriasis: phase I and phase II studies, Indian J dermatol venereal. leprol, June 2007, vol 73, issue 3.157-61. (indexed in PUBMED)

#### **2008**

11. P.K.Lakshmi, Trilochan Das, Pichandy Muthuprasanna, Shyamala Bhaskaran, V.Vaijayanthi and S.K.Umadevi. Formulation and evaluation of aceclofenac floating microspheres - Materials science- July 2008, volume-4, issue-4, 259-263.

12. P.K.Lakshmi Uma devi SK, The effects of polymers and permeation enhancers on in vitro release of aceclofenac from topical gel formulations. Biosciences Biotechnology Research Asia, An international Research journal-, June 2008. volume 5, number 1.

13. P.K.Lakshmi "Enhancing Drug Information Services in Northern India" Pharma review, Feb- Mar 2008. 158-160.

14. P.K.Lakshmi, In vitro studies on guar gum based colon targeted delivery of aceclofenac, Material science, vol.4 issue 4, July 2008(317-320).

## 2009

15. Shyamala Bhaskaran and P.K.Lakshmi Comparative evaluation of niosome formulations prepared by different techniques, , Acta Pharmaceutica Scientia 51:27-32 (2009).

## 2010

16. Padma priya S, Rajendran, Lakshmi PK A novel captopril hydrochlorothiazide solid dispersion, , International journal of pharmacy and pharmaceutical sciences vol 2, issue 2, 2010. 30-32.

17. T.K.Indira<sup>1</sup>, P.K.Lakshmi<sup>1</sup> Magnetic Nanoparticles – A Review, International Journal of pharmaceutical sciences and nanotechnology International Journal of Pharmaceutical Sciences and Nanotechnology, Volume 3 Issue 3 October - December 2010.

18. Neeharika v\*, krishnaveni b, swetha t, Lakshmi. P.K. Antimicrobial activity of *carallia brachiata*, and madhava reddy.b, pharma science monitor, An international journal of pharmaceutical sciences, Vol I ,issue 2, sep 2010. [www.pharmasm.com](http://www.pharmasm.com).

19. Dr. Shyamala Bhaskaran<sup>1</sup> and Dr. Lakshmi. P.K, Extrusion spherulization –a review, International Journal of pharmtech Research Vol.2 No.4. Oct-Nov 2010. [www.spinxsai.com](http://www.spinxsai.com).

20. D. Shravani, P.K.Lakshmi, Preparation, purification, evaluation and applications of thermosensitive polymers- A review, pharma science monitor, An international journal of pharmaceutical sciences, vol-1 issue-3, Dec 2010. [www.pharmasm.com](http://www.pharmasm.com).

## 2011

21. Shyamala Bhaskaran, P.K.Lakshmi, Lipid based oral drug delivery carriers: A review, , Drug Invention Today Vol.3. Issue 1. January 2011

22. P.K.lakshmi, Shyamala bhaskaran, Phase II study of topical niosomal urea gel- an adjuvant in the treatment of psoriasis., international Journal of pharmaceutical sciences review and research, volume 7, issue 1, March – april 2011; article-001.

23. Y.Lalitha, P.K.lakshmi, Enhancement of dissolution of nifedipine by surface solid dispersion technique, International journal of pharmacy and pharmaceutical sciences, vol3, suppl 3, 2011.

24. Gattu Jyothi, P.K.Lakshmi, Comparative evaluation of natural and synthetic superdisintegrants with newer superdisintegrant Kyron T-314., Acta pharmaceutical scientia, 53,35-44 (2011).

25. M. Anand kumar, P.K.lakshmi, J.Balasubramaniam, Formulation development and invitro evaluation of tamsulosin hydrochloride extended release pellets, International journal of Pharmtech research vol 3 no 2 2011, 968-979.

26. D.Shravani, P.K.lakshmi, J.Balasubramaniam, Preparation and optimization of various parameters of enteric coated pellets using Taguchi L9 orthogonal array design and their characterisation, Acta pharmaceutica sinica, B, 2011;1(1):56-63

27. CH Saroja, PK Lakshmi, Shyamala Bhaskaran Recent trends in vaccine delivery systems: a review, International Journal of Pharmaceutical Investigation | April 2011 | Vol 1 | Issue 2.

28. Lakshmi PK, Marka kranthi kumar, Aishwarya sridharan, Shyamala bhaskaran, Formulation and evaluation of ibuprofen topical gel: a novel approach for penetration enhancement International Journal of applied pharmaceutics, vol 3, issue 3, 2011
29. Formulation and evaluation of fast dissolving tablets of freely soluble and poorly soluble drug with natural and synthetic superdisintegrants , V.Neeharika, swathi, P.K.Lakshmi, DIT online, Nov 2011
30. C.H.Vaishnavi Rao<sup>1</sup>, P.K.Lakshmi, Comparative review of functionality and performance of the natural and synthetic Superdisintegrants, , Journal of Pharmaceutical Research Vol. 10, No. 4, October 2011 : 130-143
31. P Vijaya Bhanu, V Shanmugam and P K Lakshmi, Development and optimization of novel diclofenac emulgel For topical drug delivery, , Pharmacie Globale (IJCP) 2011, 9 (10).
32. P K Lakshmi, J Sreekanth, Aishwarya Sridharan, Formulation development of fast releasing oral thin films of levocetirizine dihydrochloride with Eudragit® Epo and optimization through Taguchi orthogonal experimental design, Asian journal of pharmaceutics, Volume 5 / Issue 2 / Apr-Jun 2011.
- 2012**
33. T.K.Indira, P.K.lakshmi, J.Balasubramaniam, Y.Rajesh, Enhancement of bioavailability of fenofibrate with alpha tocopherol and phospholipids as solubilizers, J.bioequiv availab 2012,S14. <http://dx.doi.org/10.4172/Jbb.S14-006J.BDDIP>, 2010.
34. Swathi latha. R, P.K.Lakshmi, Electronic tongue: an analytical gustatory tool,, Journal of Advanced Pharmaceutical Technology & Research (JAPTR) | Jan-Mar 2012 | Vol 3 | Issue 1.
35. Vaishnavi CH, Thilek Kumar M, Rahesh Y.V, Balasubramaniam J, Lakshmi PK. Study of formulation variables in modulating release of meslamine from tablets prepared using MUPS Pharm rech Vol. 2012 issue 3. Inventi journal.
36. B.Rita, P.K.Lakshmi Preparation and evaluation of modified proniosomal gel for localized urticaria and optimization by statistical method, , Journal of applied pharmaceutical science, 02,(03);2012-85-91.
37. D.Prasanthi, Lakshmi PK, Terpenes: effect of lipophilicity in enhancing transdermal delivery of alfuzosin hydrochloride, , JAPTR, oct-dec 2012 vol3 issue 4. 216-223.
38. D.Prasanthi, Lakshmi PK, Effect of chemical enhancers in transdermal permeation of alfuzosin hydrochloride, , ISRN pharmaceutics, Volume no 2012, article ID 965280 doi:10.5402/2012/965280.
39. D.Prasanthi, Lakshmi PK, Development of ethosomes with taguchi robust design based studies for transdermal delivery of alfuzosin hydrochloride, , International current pharmaceutical journal, 2012,1(11): 370-375.
40. K.Mohana raghava srivalli, PK Lakshmi, Overview of p-Glycoproteins inhibitors: a rational outlook, , BJPS, vol.48, n.3. jul/sep.2012.
41. P.K.Lakshmi, Ch.Srinivas, B.Kalpna, Preparation and comparative evaluation of liquisolid compacts and solid dispersions of valsartan, , S.J.Pharm.sci.4(2):48-57.2012
42. P.K.Lakshmi, Ch.Saroja, / Lipospheres: Recent Advance In Lipid Drug Delivery, Journal of Pharmacy Research 2012,5(4),2094-2100.
43. Prasanthi,D, P.K.Lakshmi, Vesicles-Mechanism of transdermal permeation: A Review, , Asian Journal of Pharmaceutical and clinical research, vol 5, Issue 1, 2012.

## 2013

44. PK Lakshmi, J. Balasubramaniam, Design of a novel bilayered gastric mucoadhesive system for localized and unidirectional release of lamotrigine, K. Mohana raghava srivalli, Saudi pharmaceutical journal (2013) 21, 45-52.

45. T. Shailaja, S. Ramachandra, C. Kishore, Y. Sasi Bhushan, PK Lakshmi, Formulation and invitro evaluation of gastroretentive delivery of diltiazem hydrochloride using natural polymers. vol.3no.1 (2013): 129-135.

46. P. K. Lakshmi<sup>1\*</sup>, Y. Narendra<sup>1</sup>, Swathi Latha Rewanthwar<sup>1</sup>, V. Neeharika, Comparative evaluation of natural and synthetic superdisintegrants in the formulation of fast dissolving tablets., Turkish journal of pharmaceutical sciences. (Accepted)

47. Saroja. Ch \*, P.K. Lakshmi Formulation, Evaluation and Optimization of Fenofibrate Lipospheres using Taguchi Experimental Design, Acta Pharmaceutica. 63 (2013) 71-83.

48. Prasanthi, D, Lakshmi PK, Effect of iontophoresis and chemical enhancers on transdermal drug delivery for overactive bladder treatment. Brazilian journal of urology, doi: 10.1590/S1677-5538.IBJU.2013.01.09

49. Prasanthi, D, Lakshmi PK, Iontophoretic transdermal delivery of finasteride in vesicular invasomal carriers., Journal of pharmaceutical nanotechnology, Bentham sciences, 2013, 1, 136-150.

50. Prasanthi, D, Lakshmi PK, Optimisation of transdermal gel formulations of tolterodine tartrate by experimental design, Turk J Pharm Sci 10(2), 273-286, 2013.

51. Prasanthi, D, Lakshmi PK Statistically optimised ethosomes for transdermal delivery of tolterodine tartrate, Pak. J. Pharm Sci., vol 26, No. 6, November 2013, 1117-1122.

52. Lakshmi PK, Sridhar M, Shruthi B. Comparative evaluation of single and bilayered lamotrigine floating tablets. Int J Pharma Investig 2013; 3: 157-62. DOI: 10.4103/2230-973X.119227

53. Shruthi B, Shakuntala Devi M, Lakshmi P.K, Criteria for selection of drugs for different drug delivery systems, IJDFR volume 4 Issue 4 July-Aug. 2013.

54. T. Shailaja, K. Shyam Kumar, V. Mounica, P.K. Lakshmi<sup>1</sup>, Design and evaluation of novel sustained release, swellable floating drug delivery system of ofloxacin Int J Pharmacy and biotechnology. 2013; 3(1): 1-4.

55. Kalpana B and Lakshmi P K\*, Transdermal permeation enhancement of Tolterodine Tartrate through invasomes and iontophoresis, Der Pharmacia Lettre, 2013, 5 (6): 119-126, Scholar Research Library (<http://scholarsresearchlibrary.com/archive.html>)

56. P.K. Lakshmi, B. Narendra, V. Niharika, Comparative evaluation of natural and synthetic superdisintegrants in the formulation of fast dissolving tablets, Turk J Pharm Sci 10 (3), 351-366, 2013

## 2014

57. P. K. Lakshmi, D. Lavanya, M. M. Husnien Ali Effect of synthetic super disintegrants and natural polymers in the preparation of donepezil hydrochloride fast disintegration films. International Current Pharmaceutical Journal, February 2014, 3(3): 243-246.

58. Neeharika.V., Kavitha D, Husnien Ali M.M, Lakshmi P.K. Comparative study on effect of natural and synthetic super disintegrants in formulation of fast dissolving tablets of hydroxyzine hydrochloride, World Journal of Pharmaceutical research, Volume 3, Issue 1, 1293-1305, 2014.



59.P.K.Lakshmi, swetha reddy, C.Kishore, Satish reddy, Formulation and evaluation of fast dispersible lamotrigine solid dispersions. Iranian journal of pharmaceutical research. 2014 (accepted)

60.Swathilata Revanthwar, P.K.lakshmi, Bioavailability enhancement of losartan potassium using Pgp inhibitors, Pharmaceutical nano technology (Bentham sciences) 2014. (accepted)

61. Noor zual ahamed, P.K.Lakshmi, Bioavailabiity enhancement of candesartan cilexetil using piperine. TJPR, 2004 (accepted).

### **NATIONAL & INTERNATIONAL CONFERENCE PRESENTATIONS**

#### **International**

1. A Paper on Drug information (Poster presentation) presented at International Conference (FIP) held at Singapore on 1<sup>st</sup> to 6<sup>th</sup> September 2001.
2. A paper on "Implementation of ADR monitoring in a tertiary care hospital Bangalore" accepted for oral presentation and presented at international pharmaceutical federation (FIP) held at France during September 2002.
3. A paper on "Independent drug information center Vs hospital based DIC, a comparative study" was presented (poster presentation) at International Pharmaceutical Federation (FIP) held at France during September 2002.
4. A paper on "Provision of drug information to gynecologists India" was accepted (poster presentation) in International Pharmaceutical Federation (FIP) held at Australia during September 2003.
5. A paper on "Niosomes As Carriers For Topical Methotrexate" was accepted (poster presentation) in International Pharmaceutical Federation (FIP) held at Australia during September 2003.
6. An oral presentation was presented on "Biodegradable chitosan for Topical Niosomal Methotrexate in the treatment of Psoriasis" at the 12<sup>th</sup> International Pharmaceutical Technology Symposium, Hacettepe university, Turkey held during September 2004
7. A poster presentation on "Topical Niosomal Methotrexate & Urea Combination in the treatment of Psoriasis" at the 12<sup>th</sup> International Pharmaceutical Technology Symposium, Istanbul university, Turkey held during September 2004
8. An oral presentation was presented on "Topical Niosomal Methotrexate & Urea Combination in the treatment of Psoriasis" at the 12<sup>th</sup> International Pharmaceutical Technology Symposium, Hacettepe university, Turkey held during September 2004 (Authors: P. K. Lakshmi, Dr. Shyamala Bhaskaran, Dr. S. Gayathri Devi and Dr. S. Sacchidanand).
9. A poster presentation on "Biodegradable chitosan for Topical Niosomal Methotrexate in the treatment of Psoriasis" at the 12<sup>th</sup> International post graduate symposium on pharmaceuticals, Istanbul university, Turkey held during September 2004.
10. "Niosomal urea gel-adjuvant in the treatment of psoriasis" presented at FIP conference held at Cairo, Egypt during September 2005.
11. "Effect of zeta potential, particle size and other physicochemical factors on stability of niosomes" presented at FIP conference held at Cairo, Egypt during September 2005.
12. A paper on "Drug Information Services – An Emerging Practice in India" was presented at International Pharmaceutical Federation (FIP) conference held at Cairo, Egypt, Volume 19, No. 1, August 2005, pg. 26-29.
13. Formulation and evaluation of Hydroxyzine hydrochloride Transdermal patches  
*A. Susmitha, Dr. P.K. lakshmi.* Awarded Best poster Presentation 2011 with prize money of 500 Euros under Industrial Pharmacy section, FIP, sep 3<sup>rd</sup> to 7<sup>th</sup> 2011, Hyderabad, 2011
14. Proniosomal gel: A novel formulation approach in Provesicular drug delivery system. *B. Rita, Dr. P.K. Lakshmi.* Awarded second prize for poster presented under Industrial Pharmacy session. sep 3<sup>rd</sup> to 7<sup>th</sup> 2011, FIP, Hyderabad, 2011

#### **National**

13. Presented poster presentation on "Evaluation of Rationality of Prescription in Madurai City" under hospital and clinical pharmacy category at the IPC held in Pune in 2003.
14. Presented-poster presentation on "Counseling aspects on asthma by community pharmacists" at regional pharmacology conference held at St. Johns medical college hospital Bangalore during June 2000.
15. Presented poster presentation on "Counseling aspects on Tuberculosis by Hospital Pharmacists" at regional pharmacology conference held at St. John's medical college hospital Bangalore during June 2000.

16. Presented poster presentation on "Awareness Program on Tuberculosis for the Community Pharmacists to improve patient compliance" won the "Best paper presentation award" under hospital and clinical pharmacy category at the IPC held in Indore in 1999.
17. Presented oral presentation on "Impact of Rational Drug Use targeting program among doctors of Bangalore, Karnataka, at IPC held at Hyderabad between 2<sup>nd</sup> Dec to 4<sup>th</sup> Dec 2005.
18. Presented poster presentation on Measurement of medicine prices before & after VAT implementation in Karnataka" at IPC held at Hyderabad between 2<sup>nd</sup> Dec to 4<sup>th</sup> Dec 2005.
19. Presented poster presentation on "Measurement of medicine prices in Karnataka, India" at IPS conference between 28<sup>th</sup> Dec to 30<sup>th</sup> Dec 2005.

The following presentations are presented at Indian pharmaceutical association national convention held on 14,15<sup>th</sup> march 2010 at SRMC, chennai

Oral presentation:

20.Strategic role of pharmacist in prevention of inappropriate use of OTC drugs in geriatrics population, Srivalli<sup>1\*</sup>, Prof. Dr. P.k.lakshmi

Poster presentations:

- 21.Ride to conquer cancers: oncogel, Shravani, Prof. Dr. P.K.lakshmi<sup>1</sup>, Prof. Dr. B.Madhava reddy<sup>1</sup>  
Fast releasing systems: oral thin films, Sreekanth, Prof. Dr. P.K.lakshmi<sup>1</sup>, Prof. Dr. B.Madhava reddy
- 22.The physically secure: proniosomes, G.Jyothy, Prof. Dr. P.K.lakshmi<sup>1</sup>, Prof. Dr. B.Madhava reddy
- 23.Aquasomes and delivery of bioactive molecules, Noorahmadzulal zulal Prof. Dr. P.K.lakshmi<sup>1</sup>, Prof. Dr. B.Madhava reddy
- 24.Prescription drug abuse - reduction strategies, Saroja.ch, Prof. Dr. P.k.lakshmi<sup>1</sup>, Prof. Dr. B.Madhava reddy

Conference presentation presented at APTI convention October 2010, Hyderabad

- 25.Formulation and evaluation of ibuprofen topical gel: a novel approach for penetration enhancement, Kranthy kumar, Dr. P.K.lakshmi
- 26.Formulation development of fast releasing oral thin films of levocetizine hydrochloride with eudragit epo, Sreekanth, Dr. P.K.lakshmi
- 27.Formulation and evaluation of orodispersible tablets of ondansetron hydrochloride tablets with natural and synthetic super disintegrants, G.Jyothi, Dr. P.K.lakshmi
- 28.Formulation and invitro evaluation of tamsulosin hydrochloride extended release pellets, Anand kumar, Dr. P.K.lakshmi
- 29.Enhancement of dissolution of nifedipine by surface solid dispersion technique, Y.Lalitha, Enhancement of bioavailability of fenofibrate with phospholipids and vitamin E, T.K.Indira, Dr. P.K.lakshmi
- 30.Formulation and evaluation of duloxetine modified release pellets, D.Shravani, Dr. P.K.lakshmi  
Enhancement of solubility and bioavailability of candesartan cilexetil with natural p- glyco protein inhibitors, Noor ahmad zulal, Dr. P.K.lakshmi
- 31.Poster Presentation title "Synergistic effect of Super-Paramagnetic nanoparticle and Ultra sound Technique in the treatment of Cancer". C. Kishore, P. K. Lakshmi. National Conference on "Biotic and abiotic molecules--their health effects and therapeutic applications (BAMHT-2012)". Held on February 24<sup>th</sup> and 25<sup>th</sup>.2012,Organized by SriVenkateshwara University, Tirupathi  
National Seminar on Innovative Emerging approaches in Drug Discovery. Held on the 2nd and 3<sup>rd</sup> of march, 2012, organized by Vishnu Institute of Pharmaceutical Education and Research, Narsapur, Medak district, Andhra Pradesh.
- 32.Title of Presentation : "Smart polymers : as a drug delivery system" - Devika Uppala - Tejaswi P. K. Lakshmi. Title of Presentation: "Casein based formulations for controlled drug delivery". - Priyanka odela, - P. K. Lakshmi.
- 33.Title of Presentation: "Recent trends in brain targeted drug delivery system". - K. Mounika, Co author- K. Rajitha, - P. K. Lakshmi. Title of Presentation: "Nanodiamonds : As Drug delivery systems". V. Mounica, S. Pawnee, P. K. Lakshmi.
- 34.Title of Presentation : "Gold nanoparticles : As drug delivery systems". - M.Shakuntala Devi, Ch.Archana, P.K.Lakshmi. Title of Presentation : "Electrochemically controlled drug delivery based on intrinsically conducting polymers". B. Shruthi. P. K. Lakshmi. (Won the best Poster presentation)
- 35.Title of Presentation : "Synergistic effect of Super-Paramagnetic nanoparticle and Ultra sound Technique in the treatment of Cancer". - C.Kishore, K.Venkata Subramanyam, - P.K.Lakshmi.  
One day seminar on communication skills and advances in pharmaceutical sciences organized by G. Pulla Reddy College of pharmacy, Mehidipatnam, Hyderabad, held on 6/11/2011.
- 36.Comparative review of functionality and performance of the natural and synthetic superdisintegrants, Vaishnavi Rao.
- 37.Novel packaging system, Shruthi. (Won best oral presentation award)

38. Electronic tongue: An analytical gustatory tool, R. Swathi Latha (won best oral presentation award)  
 39. Formulation and evaluation of orodispersible tablets of lamotrigine solid dispersions, K. Rajitha, 64<sup>th</sup> IPC Chennai, dec 7-9 2012.  
 40. Formulation and evaluation of bilayered floating tablets of lamotrigine, K. Mounika, 64<sup>th</sup> IPC Chennai, dec 7-9 2012.  
 41. Formulation and evaluation of zolpidem tartrate sustained release tablets by melt granulation technique, 64<sup>th</sup> IPC Chennai, dec 7-9 2012.

### FUNDING RECEIVED FROM VARIOUS ORGANIZATIONS

Name of the funding agency (AICTE/ Others)	Receiving agency	Name of the Scheme	Programme Title	Year of Funding	Duration	Amount Sanctioned
Health and family welfare department, Bangalore Karnataka	KSPC	Promotion of RUD among pharmacists	Continuing pharmacy education	2000	3 months	One lakh
ESI hospital Bangalore Karnataka	KSPC	Promotion of RUD among pharmacists	Continuing pharmacy education	2004	6 months	One lakh
ESI hospital Bangalore Karnataka	KSPC	Promotion of RUD among Doctors	Continuing medical education	2004	6 months	One lakh
Health and family welfare department, Bangalore Karnataka	KSPC	Implementation of RUD	Training of Doctors and Pharmacists in RUD & Drug store management,	2004	2 years	Four lakh
Health and family welfare department, Bangalore Karnataka	KSPC	Implementation of RUD	Preparation of Standard Treatment Guidelines	2005	1 year	one lakh
Health and family welfare department, Bangalore Karnataka	KSPC	Implementation of TNMSC model of warehouses in Karnataka	Estimation drug consumption in all the hospitals of Karnataka	2005	1 year	Four lakh
WHO Geneva and health action international (HAI), Netherlands	KSPC	Drug prices control	Prices and availability of drugs in Karnataka	2006	one year	3.5 lakh
WHO India, Delhi	KSPC	Establishing drug information centers in India	Establishment of drug information centers in selected states of India	2006	One year	Ten lakhs
WHO SEARO, Delhi	KSPC	Establishing drug information centers in SAARC countries	Drug information training	2007	3 months	Ten lakhs

KSPC: Karnataka State Pharmacy Council

**Countries visited for professional trainings in Pharmacy practice: Singapore (2001), Malaysia (2004), Australia (2000&2004), France (2002), Switzerland(2005), Indonesia (2004).**

**References:**

**1.Mr. Graeme Vernon**  
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**President**  
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**Date:**  
**Place:**

**Signature**  
**(Dr.P.K.Lakshmi)**

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