

## BIODATA

**Name:** Dr. Sarasija Suresh  
**Designation:** Prof. & Head of Pharmaceutics Department  
**Qualification:** M. Pharm, Ph.D  
**Professional Interest:** Guiding and counseling students, Arranging guest lecturers



**Research Interest:**

for undergraduates, post graduates and research scholars.  
Chronotherapeutic drug delivery, site specific drug delivery, pulmonary drug delivery, cell lines as In vitro models to evaluate the drug delivery system. Methods to improve bioavailability of drugs

**Recognition Received:**

- AICTE Career Award for Young Teachers
- Deutscher Akademischer Austauschdienst (DAAD, German Academic Exchange) short visiting fellowship
- Awarded TAPTEC Grant by AICTE
- Awarded Wellcome Trust Travel Grant
- Modernization and Removal of Obsolescence (MODROBS) Grant
- Indian Council for Medical Research ICMR SRF grant
- AICTE Grant for Co-Authorship of "Text Book of Pharmaceutical Engineering
- Recognised as **Ph.D. Guide** in the Rajiv Gandhi University of Health Sciences
- Junior Research Fellowship and Lecturer ship award in 1989
- Reviewer for Various reputed peered review journals like IJPS, IJPER etc.

**Current Professional Activities:**

1. **Academics : Teaching experience** of 20 years which includes 20 years of B.Pharm (Graduation level) and 15 years of M.Pharm (Post graduation level) students. In addition have been guiding Ph.D. and M.Pharm students for their research projects and conducting examinations as per the provisions of various Universities in India.
2. **Research :**
  - **Strategies** for improving bioavailability of Class 2 and Class 3 of BCS classification system
  - **Site-specific chronotherapeutic delivery** of drugs in gastro intestinal tract for optimization of drug therapy. Formulations for hypertension, diabetes, asthma, arthritis and peptic ulcer have been developed based on chronobiology of the diseases. Colon specific delivery of curcumin formulations have been undertaken to optimize therapy in Inflammatory Bowel Disease (IBD)
  - **Pulmonary delivery** for optimization of antitubercular therapy and for delivery of proteins and peptides
  - **Invitro-Invivo correlation** using cell lines as invitro models to evaluate drug delivery systems. Cell lines have been found to be excellent alternative to animal model in selection of optimum formulations. In addition, keratinocyte cell line has been used in order to study the effect of formulation on toxicity

## 2. Others :

- **Member of Board of Studies** for M.Pharm of Bangalore University and presently of Rajiv Gandhi University of Health Sciences (RGUHS), Karnataka.
- **Member of Examination** panels of the Bangalore University, Rajiv Gandhi University of Health Sciences, Kuvempu University, Mysore University, Andhra University, Mangalore University, Kakatiya University, BITS Pilani and MGR Medical University.
- **Member of Editorial Board** of Indian Journal of Pharmaceutical Education (2003 and 2004)
- **Reviewer** of Indian Journal of Pharmaceutical Sciences (IJPS) and Indian Journal of Pharmaceutical Education and Research (IJPER). Member of Editorial Board (2004-06)
- **Subject Expert** of Pharmaceutics/Pharmaceutical Technology for PhD of Rajiv Gandhi of Health Sciences, Karnataka from 2004 to 2007
- **Invited as Chairperson** to judge Poster Session in the 11 **International Conference on Pharmaceutical Sciences, Technology and Practice**, held at Ooty, India on 24-26 and in the Indian Pharmaceutical Congress held at Kolkata in December 2004.
- **Chairman** of Local Inspection Committee (LIC) of RGUHS in 2006, **Member** of Inspection Committee of AICTE, Pharmacy Council of India (PCI) and LIC of RGUHS since 2004.
- **Referee and Expert** for Indian Council for Scientific Research projects

### Current research activities:

- Working on “ Formulation and Evaluation of Novel Drug Delivery System for Diabetes”
- Working on “Formulation and development of Herbal Gels for Psoriasis” Industrial Project.
- Working on “Formulation and development of Herbal ointments” Industrial Project.

### Experience and work responsibility:

#### Academics:

- 21 years Experience in teaching at Diploma level, UG level, PG level and PhD.
- 16 years experience in guiding postgraduates and research

#### Research:

- New and Novel drug delivery systems
- Cell lines as in vitro models to evaluate drug delivery systems
- Site-specific drug delivery for optimization of antihypertensive treatments
- Chronotherapeutic drug delivery
- Methods to improve bioavailability of drugs

#### Industrial:

- **Design and development of topical and oral dosage forms for various pharmaceutical industries**

#### Publications:

**Patents: 03**

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- Provisional patent filed in February 2008 on invention entitled “ Improved drug delivery system for treatment of hypertension by chronotherapeutic delivery approach”
- Provisional patent applied in March 2007 on invention “Fast dissolving film of Ondansetron hydrochloride”.
- Applied for patent on ‘A new delivery system for Ketoprofen’ Patent application number 56/CHE/2005, Government of India on Dec 2005.

#### **Book Authored:**

- Co-authored a **Text Book** and **Laboratory Manual** on “Pharmaceutical Engineering-Principles and Practices” for III B.Pharm students as per the syllabus prescribed by the RGUHS.

#### **Paper Published: 40**

#### **International**

1. Sahoo Prangya Parimita, Yadav Vivek Ramshankar, Sarasija Suresh and T. N. Guru Row (2007) “Redetermination of curcumin: (1E, 4Z, 6E)-5-hydroxy-1, 7-bis (4- hydroxy-3-methoxy-phenyl) hepta-1, 4, 6-trien-3-one” Acta Crystallographica Section E E63, 860–862.
2. Prakash Rao, Sarasija Suresh, C. Narendra, Balasangameshwar (2006) “ Physicochemical Characterization of Betacyclodextrin and Hydroxethyl Cyclodextrin Complexes of Rifampicin” ARS Pharmaceutica, 47, 1, 37-59
3. S.Suresh, S.A. Barker and DQM Craig (2004), “ Site-specific drug delivery to the oesophagus using alginate microparticles”, Journal of Pharmacy and Pharmacology supplement pg. 1
4. Shyamala Bhaskaran and Sarasija Suresh (2004), “Biodegradable microspheres of ketorolac tromethamine for Parenteral administration”, Journal of Microencapsulation, 21, 743-750.
5. C.V.S. Subrahmanyum and Sarasija Suresh (1999) "Solubility behaviour of haloperidol in individual solvents and determinations of partial solubility parameters" European Journal of Pharmaceutics and Bio pharmaceutics 47 (5), 289-294
6. C.V.S. Subrahmanyum and Sarasija Suresh (1997) "Solubility behaviour of carbamazepine in binary solvents: Analysis of extended Hildebrand solubility approach to obtain solubility and other parameters", Die Pharmazie, 12 (52), 939-942

#### **National Journals**

1. Sarasija S, Dinesh B.M., Patil UA and Iyer D (2008) “Effect of Permeation enhancer on permeation kinetics of Danazol through porcine buccal mucosa” Indian Drugs, 45 (1), 48-51.

2. Sarasija Suresh, V.Pandit and Hemant Joshi, (2007) "Preparation and evaluation of Mouth Dissolving Tablets of Salbutamol sulphate" Indian Journal of Pharmaceutical Sciences, 6, 467-468.
3. Dinesh B.M. and Sarasija Suresh (2007) " Effect of permeation enhancer on permeation kinetics of midazolam, in-vitro characterization" Asian Journal of Pharmaceutics, 1(4), 50-54
4. H.N. Shiva Kumar, Sarasija Suresh and B.G. Desai (2007) "Design and evaluation pH sensitive minitables for chronotherapeutic delivery of Theophylline" Indian Journal of Pharmaceutical Sciences, 1-2, 781-787.
5. H.N. Shiva Kumar, Sarasija Suresh and B.G. Desai (2006) "Design and evaluation pH sensitive multiparticulate systems for chronotherapeutic delivery of diltiazem hydrochloride" Indian Journal of Pharmaceutical Sciences, 68, 6, 781-787.
6. Rao B.P., Sarasija S. and Narendra C. (2006) "Physicochemical characterization of hydroxypropyl-B-cyclodextrin complexes of rifampicin for improved anti-tubercular activity and stability" Indian Drugs, 43 (8), 679-682.
7. Sarasija Suresh, H.N. Shiva Kumar and G. Kiran Kumar (2006) "Effect of B cyclodextrin complexation on solubility and dissolution rate of carbamazepine from tablets" Indian Journal of Pharmaceutical Sciences" 68 (3), 301-307.
8. Shiva Kumar H.N., Sarasija S. and Desai B.G. (2006) "Design and evaluation of pH sensitive multiparticulate systems for chronotherapeutic delivery of meloxicam" Indian Drugs, 43, 3, 258-262.
9. H.N. Shiva Kumar, Sarasija Suresh and B.G. Desai (2006) 'Design and evaluation of controlled onset extended release multiparticulate systems for chronotherapeutic delivery of ketoprofen " Indian Journal of Pharmaceutical Sciences, 68, 1, 75-82.
10. Sarasija Suresh and Hemant P. Joshi (2005), "Comparison of Diffusion and Permeability of Selected Drugs: Effect of physicochemical Parameters and permeation enhancers" Indian Journal of Pharmaceutical Sciences, 67, 3, 383-385.
11. Rao B.P., Suresh S (2004), "Preparation and Evaluation of Gamma Cyclodextrin complexes of Rifampicin", Indian Drugs, 41, 650-654.
12. Arshia Shariff, Sarasija Suresh, K.L.K. Paranjyothi and K.V. Nagendra Prasad (2003) "Effect of sodium glycocholate on development of tolerance to Parthenium hysterophorus extracts", Indian Journal of Experimental Biology, Vol.41, 4-3.
13. Shiva Kumar H.N., Sarasija Suresh, Suresh Venkataram (2002) Design and evaluation of multiparticulate system for chronotherapeutic delivery of Diclofenac sodium" Indian Journal of Pharmaceutical Sciences, 64, 133-137.
14. Sarasija Suresh and Krishna Prasad (1999) "Solid dispersions of Curcumin", Indian Journal of Pharmaceutical Sciences, 61 (March- April), 131-134.
15. Shobha Rani, V. Kusum Devi, Sarasija Suresh, S. Praveen and Aney Thomas (1999) "Permeation studies of marketed Clotrimazole cream", Indian Journal of Pharmaceutical Sciences, 61 (March- April), 113-115

16. C.V.S. Subrahmanyum and Sarasija Suresh (1999) "Solubility behaviour of haloperidol in individual solvents and determinations of partial solubility parameters" *European Journal of Pharmaceutics and Bio pharmaceutics* 47 (5), 289-294
17. Sarasija Suresh, Shobha Rani, S. Praveen and Aney Thomas (1999) "Preparation and evaluation of Pluronic F-127 gels of Curcumin" *Indian Drugs*, 36 (5), 326-327
18. Sarasija Suresh and S.S.Dhir (1998) "Solubilization of carbamazepine for Solution Dosage Forms", *Indian Journal of Pharmaceutical Sciences*, 60 (May-June), 144-148
19. Shobha Rani, Sarasija Suresh, S. Praveen and Aney Thomas (1998) "Formulation and evaluation studies of solid dispersions of Nimesulide", *Indian Journal of Pharmaceutical Sciences*, 60 (Sept-Oct), 326-328
20. Krishna Prasad, Sarasija Suresh (1997) "Spectrophotometric Estimation of Curcumin", *Indian Drugs*, 34 (4) 227-228
21. C.V.S. Subrahmanyum and Sarasija Suresh (1997) "Solubility behaviour of carbamazepine in binary solvents: Analysis of extended Hildebrand solubility approach to obtain solubility and other parameters", *Die Pharmazie*, 12 (52), 939-942

## (ii) Review Articles

1. Thontesh G. Chandrashekarappa, Sarasija Suresh (2007) "Challenges facing antitubercular therapy: New drugs and delivery systems" *Clinical Research and Regulatory Affairs* 24, 95-109
2. B. Prakash Rao, Sarasija Suresh and C. Narendra (2007) "Recent advances in cyclodextrin complexes: Mechanistic analysis as permeation enhancers" *Indian J. Pharm. Educ. Res.* 41(2) 102-13
3. Suresh Sarasija, Yadav R Vivek and Anand Suresh (2006) "Health Benefits and Therapeutic Applications of Curcumin" *Clinical Research and Regulatory Affairs*, 23, 191-210.
4. Hemant P. Joshi, Sarasija Suresh "*In vitro* cell based assays and implications in drug discovery" (2005) in [www.pharmainfo.net](http://www.pharmainfo.net) in Nov-December
5. Shyamala Bhaskaran, Sarasija Suresh and Lakshmi P.K. (2003), "Perspectives and prospectives in the Indian Pharmaceutical Industry", *International Pharmacy Journal*, Vol. 17, No. 1, 8-10.
6. Vanaja. K, Mueen Ahmed K.K., Hemant P. Joshi, Shobha Rani R.H and Sarasija Suresh (2006)" ADMETOX assessments in drug development: A perspective" *The Pharma Review*, 6, 61-68.
7. Sarasija Suresh and Stutie Pathak (2005) "Chronotherapeutics: Emerging Role of Biorhythms in Optimizing Drug Therapy" *Indian Journal of Pharmaceutical Sciences*, 67, 135-140.
8. Sarasija. S and Shymala Bhaskaran (2005), "Nasal Drug Delivery: an Overview", *Indian Journal of Pharmaceutical Sciences*, 67, 19-25.
9. Sarasija Suresh and Hemant Joshi (2001) " Development of *In vitro* Model to study drug absorption using cell culture systems *Pharma Pulse*, (12), 33-34

10. Sarasija Suresh and Ashutosh Hota (2000) "Colon specific drug delivery system" Indian J. of Pharm. Sci., 62 (1), 1-8
11. Sarasija Suresh and Jaya George (1999)"Packaging of liquid dosage forms- Newer Trends" Eastern Pharmacist, July 39-43
12. Sarasija Suresh and Ashutosh Hota (1998) "Drug Interactions", Pharma Times, 10, 13-17

**(iii) Chapter Contributed:**

Pulmonary drug delivery in [www.pharmainfo.net](http://www.pharmainfo.net)

**(iv) Books Authored: two**

Co-authored a **Text Book** and **Laboratory Manual** on "Pharmaceutical Engineering Principles and Practices" for III B.Pharm students as per the syllabus prescribed by Rajiv Gandhi Univeristy of Health Sciences (RGUHS)

**(v) Presentations in Conferences:**

**International Conferences**

1. "BCS Classification of Curcumin: Effect of Self Emulsifying Drug Delivery System on Solubility and Bioavailability," accepted for poster presentation during the forthcoming Controlled Release Society (CRS) 35th Annual Meeting & Exposition in New York City, New York, USA, July 12-16, 2008
2. "Formulation and evaluation of fast dissolving buccal film of cetirizine dihydrochloride" accepted in the forthcoming World Congress of Pharmacy and Pharmaceutical Sciences 2008, 68th International Congress of FIP 30 August – 04 September 2008, Basel, Switzerland.
3. "Methods to improve solubility and stability of curcumin" poster accepted in the above World Congress of Pharmacy and Pharmaceutical Sciences 2008, 68th International Congress of FIP 30 August – 04 September 2008, Basel, Switzerland.
4. "Effect of Betacyclodextrin Complexation on Diffusion, Permeability and Bioavailability of Carbamazepine" was accepted for poster presentation in 34<sup>th</sup> Annual Meeting & Exposition of the Controlled Release Society (CRS) on July 2007 in USA
5. "Effect of liposomal formulation of serratiopeptidase on Caco-2 cell permeability and oral bioavailability" was accepted for poster presentation in American Association of Pharmaceutical Scientists (AAPS) Annual Meeting & Exposition, in Dec. 2007, USA.
6. "Novel Formulation for Oral Delivery of Antihypertensive: Chronotherapeutic Combination Approach" was accepted for presentation in the British Pharmaceutical Conference, held during 13<sup>th</sup> to 17<sup>th</sup> September, 2006 in Manchester United Kingdom.
7. Podium presentation under Drug Delivery at 141<sup>st</sup> British Pharmaceutical Conference Scientific proceedings "Site-specific drug delivery to the oesophagus

using alginate microparticles by S.Suresh, S.A. Barker and DQM Craig on September 27-29, 2004.

8. Paper presented at the 31st Annual Meeting & Exposition of the Controlled Release Society Hawaii Convention Center, USA in June 2004 "Alginate- microparticles for site- specific drug delivery to the Oesophagus".
9. Paper accepted for poster presentation at 64th FIP held in Sept. 2004 at New Orleans USA "Design and evaluation of colon specific multi particulate system for chronotherapeutic delivery of Diltiazem hydrochloride".1
10. Paper accepted for presentation under the Pharmaceutics and Drug Delivery Systems (PDD) at the Annual Meeting and Exposition AAPS held in USA in November 2004. Topic entitled "Novel topical preparation for optimization of anti-inflammatory therapy".
11. Paper accepted for presentation under the Pharmaceutics and Drug Delivery Systems (PDD) at the Annual Meeting and Exposition AAPS held in USA for the topic entitled "Comparison and correlation of transport behavior of selected drug molecules".
12. "Solubility behaviour of carbamazepine in individual solvents and Determination of partial solubility parameters" Poster Presentation at the 18th Pharmaceutical Technology Conference in Utrecht, The Netherlands, April 1999.
13. "Time dependent delivery of Metronidazole to the colon" accepted for Poster Presentation at the Drug Delivery for the third Millennium Conference, Pisa, Italy, October, 1999.

### **National Conferences**

1. The following papers were presented in the 59<sup>th</sup> Indian Pharmaceutical Congress (IPC) held at Varanasi in December 2007
  - ❖ Effect of sugar and cyclodextrins on solubility and permeation of Rifampicin for pulmonary drug delivery: A pre-formulation study. J.S. Patil and Sarasija Suresh.
  - ❖ Formulation design of novel fast dissolving tablets of Anti-convulsant drug. Shirsand SB, Sarasija Suresh, Swamy PV
  - ❖ Taste masked Fexofenadine hydrochloride fast dissolving tablets. Nagendra kumar D, Raju SA, Shirsand SB, Sarasija Suresh, Swamy PV, Rampure
  - ❖ Formulation design of fast disintegrating tablets of anti-emetic drug. Shirsand SB, Para MS, Swamy PV, Sarasija Suresh, Nagendra Kumar D, Rampure MV, Kharia AA
  - ❖ Formulation and evaluation of fast dissolving buccal film of cetrizine dihydrochloride. Bobe KR, KLK Paranjothy, Sarasija Suresh, Shyamala Bhaskaran, Uday Sharma
  - ❖ Enhancement of bioavailability of atorvastatin by solid dispersions. Subrahmanya Chethan Rao B, Sarasija Suresh, Shymala Bhaskaran
  - ❖ Enhancement of solubility and stability of curcumin upon inclusion into parent and modified cyclodextrin. Yadav Vivek R, Sarasija Suresh, Vinay Pandit
2. Presented the following papers in 12<sup>th</sup> APTI Annual National Convention,

October 2007, held at Chandigarh

- ❖ Preparation and evaluation of in-situ gel for ocular drug delivery. Sarasija Suresh, Subrahmanya Chethan Rao B and Chandra Mohan E
  - ❖ Formulation and evaluation of sustained release matrix tablet of aspirin. Sarasija Suresh, Damanjeet Ghai, Dhagla Ram Choudhary, Amit Kumar Das
  - ❖ Gastro-retentive dosage form of clarithromycin: A novel approach for treatment of peptic ulcer. Vinay Pandit, Sarasija Suresh, Vivek Yadav, Uday Sharma
  - ❖ Evaluation of anti-inflammatory activity of solid lipid microparticles of curcumin. Yadav Vivek, Sarasija Suresh, Kshama Devi, Haraprasad Chatterjee
  - ❖ Formulation and design of novel fast dissolving tablets of antihistamine drug. Nagendra Kumar D, Raju SA, Shirsand SB, Sarasija Suresh, Swamy PV, Rampure MV
3. The following poster presentations at the second International and Indo-Canadian Symposium on Pharmaceutical Science, Technology and Practice and Natural Products held from 24 to 27 Feb. 2007 at Ooty India.
- ❖ Formulation and Evaluation of Dapsone Gel for Topical Application
  - ❖ Liposomes: Targeted Drug Delivery of Rifampicin
  - ❖ Novel Technique to improve solubility and stability of Curcumin **Awarded 3<sup>rd</sup> Prize**
  - ❖ Methotrexate loaded solid lipid nanoparticles in gel base and their evaluation
4. Poster presentations at the APTI- 11<sup>th</sup> Annual National Convention, 2006, Bangalore:
- ❖ Hydrodynamically balanced delivery system for famotidine for sustained Release
  - ❖ Preparation and Evaluation of Pyrizinamide  $\beta$ -cyclodextrin complex
  - ❖ Rapid disintegrating tablets of Isosorbide Mononitrate
  - ❖ Preparation and Evaluation of Solid lipid Microparticles of Curcumin; effect on diffusion and permeation
5. Poster presentation presented in the 58<sup>th</sup> Indian Pharmaceutical Congress at Mumbai Pharma Vision 2020 entitled "Colon targeting of Curcumin: A pulsatile approach" in December 2006.
6. The following papers were presented in the Oral/ Poster Presentation at 57th Indian Pharmaceutical Congress at Hyderabad in December 2005
- ❖ Novel Multiparticulate Approach for Treatment of Peptic Ulcer- **Oral**
  - ❖ Formulation and Evaluation of Mouth Dissolving Films of Metoclopramide- **Poster**
  - ❖ Fast Dissolving Buccal Films of Menthol- **Poster**
  - ❖ Effect of Formulation Parameters on *In vitro* evaluation of Solid Lipid Nanoparticles- Poster
7. The following papers were presented in the Oral/ Poster Presentation at 56th Indian Pharmaceutical Congress at Kolkata in December 2004
- ❖ Comparison and Correlation of Transport Behavior of Selected Drug Molecules- **Oral**

- ❖ Gastro – retentive system for treatment of peptic ulcer- **Poster**
  - ❖ Cyclodextrin Complexes Of Carbamazepine: A Novel Approach for Formulation Of Fast Dissolving Dosage Form- **Poster**
8. Formulation And Evaluation Of Dispersible Tablets Of Dicyclomine Hydrochloride- **Poster**
  9. "Design and evaluation of colon specific multiparticulate system for Chronotherapeutic delivery of Ketoprofen" Presentation at 6<sup>th</sup> Controlled Release Society Indian Chapter Symposium at Mumbai, February 2004
  10. Poster presented in ICTA 2004 held at Belgaum on the topic "Alternatives to cosmetic testing of animals"
  11. "Design and evaluation of colon specific multiparticulate system for Chronotherapeutic delivery of Meloxicam" Presentation at 4<sup>th</sup> Controlled Release Society Indian Chapter Symposium at Mumbai, February 2002.
  12. Effect of Pluronic F127 and Cremophor RH 40 on Eudragit NE30D Buccal Mucoadhesive patches of Verapamil Hydrochloride" Poster Presentation at 52<sup>nd</sup> Indian Pharmaceutical Congress at Hyderabad, December 2000
  13. "Preparation and Evaluation of cyclodextrin complexes of some antitubercular drugs" Poster presentation at 52<sup>nd</sup> Indian Pharmaceutical Congress at Hyderabad, December 2000
  14. "Comparative study of Bioadhesive Polymers for Buccal Drug Delivery of Verapamil Hydrochloride" Poster Presentation at the 11<sup>th</sup> International Symposium Organized by the CRS Indian Chapter on Advances in Technology and Business Potential of New Drug Systems, Ooty, Tamilnadu, October 2000
  15. "Evaluation of Eudragit NE 30D for Buccal Drug Delivery of Verapamil Hydrochloride" Poster Presentation at Drug In the New Millennium, A Multidisciplinary Clinical Symposium at St. John's Medical College, Bangalore, June 2000
  16. "Study of enhancement of solubility of Atenolol B Cyclodextrin Complexes" Oral Presentation at the Indian Pharmaceutical Congress, Mumbai, December 1998
  17. Solubility behaviour of haloperidol in individual solvents and determinations of partial solubility parameters" Poster presentation at the Indian Pharmaceutical Congress, Trivandrum, December 1997
  18. Preformulation studies of allergenic extracts of *Parthenium hysterophorus* for intranasal immunotherapy" Oral presentation at the XVII Indian Pharmacy Graduates Association, Madurai, September 1997 **Judged Best Oral Presentation**
  19. "Solid Dispersions of Nimesulide" Poster presentation at the XVII Indian Pharmacy Graduates Association, Madurai, September 1997 **Judged Best Poster Presentation**
  20. "Formulation parameters affecting preparation and properties of microencapsulated cloxacillin using Eudragit RS 100" Poster presentation at the Indian Pharmaceutical Congress, Trivandrum, December 1997
  21. "In-vitro release studies of Marketed Clotrimazole cream" Poster presentation at

The Indian Pharmaceutical Congress, Trivandrum, December 1997

22. "Bioequivalence studies of marketed tablets of Paracetamol" Poster Presentation at the Indian Pharmaceutical Congress, Madras, December 1996
23. "Solid Dispersions of Curcumin" Poster presentation at the Indian Pharmaceutical Congress, Madras, December 1996
24. "Extended Hildebrand Solubility Approach: Haloperidol in Binary Solvents" Poster presentation at the Indian Pharmaceutical Congress, Madras, Dec.1996
25. "Bioequivalence studies of marketed tablets of Paracetamol" Poster Presentation at the Indian Pharmaceutical Congress, Madras, December 1996
26. "Solid Dispersions of Curcumin" Poster presentation at the Indian Pharmaceutical Congress, Madras, December 1996
27. "Extended Hildebrand Solubility Approach: Haloperidol in Binary Solvents" Poster presentation at the Indian Pharmaceutical Congress, Madras, December 1996
28. "Preparation and Evaluation of Transdermal Drug Delivery Systems of Propranolol Hydrochloride" Poster presentation at the International Pharmaceutical Conference, Ooty, February 1995
29. "Bioequivalence studies of Marketed tablets of Diclofenac sodium" Poster presentation at the Indian Pharmaceutical Congress, Visakapatnam, Dec. 1995
30. "Extended Hildebrand Solubility Approach: Carbamazepine in Binary solvents" Oral presentation at the Indian Pharmaceutical Congress, Chandigarh, December 1994
31. Hydrodynamically balanced drug delivery systems of Diclofenac Sodium" Oral presentation at the Indian Pharmaceutical Congress, New Delhi, December 1993

#### **Workshops/Seminars organized:**

1. Convener of the forthcoming "Scientific Research and Writing Workshop" to be held in Bangalore in December 2008
2. Member of Scientific Committee of the Association of Pharmaceutical Teachers of India workshop held in Bangalore in September 2006 and in 1997.
3. Member of the Local Organising Committee International "Hands On Dissolution and Bio-equivalence Workshop held at Bangalore on 27<sup>th</sup> and 28<sup>th</sup> January 2001, sponsored by the International Pharmaceutical Federation (FIP), Indian Pharmaceutical Association IPA), World Health Organisation (WHO)
4. Organizing Member of Biotechnology Workshop in Al-Ameen College of Pharmacy, Bangalore for Pharmacy Teachers in 1998
5. Organizing Member of Workshop on Industry Academia interaction by Indian Society for Technical Education (ISTE) Chapter, Al-Ameen College of Pharmacy in December, 1993.
6. Organised a number of seminars in various aspects of pharmacy as a Member and as Secretary of ISTE and presently as Member and Executive Council member of Indian Pharmaceutical Association.

**Guest lectures delivered:**

1. "Drug Discovery and Development – A review" was delivered at Manipal College of Pharmaceutical Sciences in Quality Improvement Program in June 2008
2. "Drug Targeting" was delivered at Luqman College of Pharmacy, Gulbarga for postgraduates and faculty in March 2008
3. "Implications of Conventional Dosage Form and Innovations in Unani Medicine" At Central Institute for Unani Medicine, Bangalore in March 2008.
4. "Development of Semisolid Dosage Forms of Unani Medicine" demonstration and lecture at Central Institute for Unani Medicine, Bangalore in Feb 2008
5. "Recent Advances in Transdermal Drug Delivery" was delivered at KLE College of Pharmacy, Belgaum in July 2006
6. "Transdermal Delivery" was delivered in the AICTE sponsored quality improvement programme "Frontiers in Pharmaceutical Technology" at KLE College of Pharmacy, Belgaum in 2004
7. "Parenteral Controlled Delivery Systems" was delivered in the AICTE sponsored quality improvement programme "Frontiers in Pharmaceutical Technology" at KLE College of Pharmacy, Belgaum in 2001
8. Theory and Practical training session on 'Filtration' was conducted in the Pharmaceutical Engineering workshop held at Al-Ameen College of Pharmacy in August, 2000.
9. "Long acting Parenterals: An overview" in the National symposium on Innovations in New Drug Delivery Systems organized by Al-Ameen College of Pharmacy and sponsored by AICTE in 2001
10. Invited as a speaker in the AICTE-ISTE Faculty Improvement Programme held in Al Ameen College of Pharmacy in November 1999.

**Professional association memberships**

- Life member of the "Indian Pharmaceutical Association", since 1994. Presently Member of Karnataka Branch of IPA
- Life member of the "Indian Society for Technical Education" since 1994. Past Executive Member and the Secretary of ISTE.
- Member of the "Indian Chapter of the Controlled Release Society" since 1997
- Life Member of In Pharm Association of Young Pharmacists of India.
- Life member of the "All India Pharmacy Teachers Association" since 1995
- Life member of the " Indian Cosmetic Technologists Association"
- Member of International Pharmaceutical Federation (FIP) from 2003
- Member of International Controlled Release Society in 2004

**Personal Information:**

Date of Birth : 04/03/07  
Languages : Malayalam, Kannada, Hindi, English  
Marital Status : Married  
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