

## **BIO DATA**



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**NAME:** Dr. ROOPA S. PAI

**DESIGNATION:** Professor

**QUALIFICATION:** M.Pharm, PhD

**PROFESSIONAL INTERESTS:**

Teaching, training, guiding and orienting undergraduate and post graduate students in the area of Pharmaceutics. Attending workshops and seminars associated to pharmaceutics in general, and novel drug development and drug delivery in specific

**RESEARCH INTERESTS:**

Design and development of conventional dosage forms and novel drug delivery systems, optimizing as well as targeting drug delivery to specific organs or cell types in the body

**RECOGNITION RECEIVED:**

Received a research grant of rupees 7.20 lakhs from Department of Science and Technology, India, under the Women Scientists Scheme (WOS)-A for the project entitled “Formulation and evaluation of Novel Drug Delivery systems of selected Antiretrovirals to standardize AIDS therapy” during the year 2006.

**CURRENT PROFESSIONAL ACTIVITIES:**

**Academics:**

Teaching under graduate students in the subject areas of pharmaceutical technology and biopharmaceutics, pharmaceutical engineering and physical pharmaceutics

Training the students in the subject area of Pharmaceutical Production Management at the Post Graduate level

Guiding students for research projects at Post Graduate and PhD level.

**Research:**

Design and evaluation of Novel Ocular Preparations

Development of Transdermal delivery of selected antiretroviral drugs using vesicular carriers”

**Others:**

Member of Examination panels of Rajiv Gandhi University of Health Sciences, Involved in routine student evaluation procedures such as conducting examinations and evaluation.

**CURRENT RESEARCH ACTIVITIES:**

Development of Transdermal delivery of selected antiretroviral drugs using vesicular carriers” to standardize AIDS therapy

**Experience and work Responsibilities:**

**Academics:**

Taught theory and practicals in Biopharmaceutics and Pharmacokinetics, Advanced Industrial Pharmacy, Pharmaceutical Technology, Manufacturing Pharmacy, Pharmaceutics I, Pharmaceutics II, Hospital and Clinical Pharmacy, Pharmaceutical Engineering, for undergraduate students

During the teaching career successfully handled a number of academic related responsibilities such as Paper setting, Valuation, Co-ordinator for valuation, Deputy Superintendent for university and board level examinations.

**PUBLICATIONS:**

**Patent:**

Complete specifications have been filed for “Novel Drug Delivery for AIDS Antiretroviral Therapy”

**Papers Published:**

1. “Evaluation of Ciprofloxacin Hydrochloride Ocular Preparations” Indian Journal of Pharmaceutical Sciences, July – August 1993.
2. A review article on “Antiretrovirals: Need for an Effective Drug Delivery” is published in Indian Journal of Pharmaceutical Sciences Jan- Feb 2006
3. A research article “Orodispersible Fluconazole Tablets and Preparation and Evaluation” has been published in Indian drugs, 43(7) July 2006.
4. “Novel Drug Delivery for AIDS Antiretroviral Therapy” published in The Patent Office Journal, dated 16/03/2007. Page Number 5382
5. A review article entitled "Radio Frequency Identification (RFID) - a Technical Remedy for counterfeiting in Pharma Industries" is published in Pharma Review volume 6, Number 34 June 2008, 85-88.
6. Research article on Gas chromatographic determination of residual levels of methanol and chloroform from liposomal, microspheres and nanoparticles is published in International Journal of Chemical Sciences, 6(2), 2008, 693-704.
7. A research article on “Formulation, Characterization, Stability and In-vitro evaluation of Lamivudine Liposomes for transdermal delivery” is published in International Journal of Pharmaceutical Sciences and Nanotechnology. volume 1, issue 4 January-March 2009, 317-326.
8. A research article on *In-vivo* investigation of skin irritation potential of lamivudine and stavudine liposomal gels is published in Internet Journal of Pharmacology 2009, volume 6 number 2.
9. A research article on “Effects of Eudragit and Drug Coat on the behaviour of poorly soluble drug by solid dispersion technique” is published in International Journal of Pharmaceutical Sciences and Research, 2011, Vol. 2, Issue 4, 816-824.

**Papers Presented:**

**International:**

1. Poster presentation of paper entitled Development and Evaluation of capsules containing solid dispersion and sustained release pellets” at Eleventh International symposium, on Advances in Technology and Business Potential of New Drug

- Delivery systems, organized by Controlled Release Society Indian Chapter, Held during 16<sup>th</sup> to 17<sup>th</sup> Feb 2011 at Mumbai, India.
2. Oral Presentation of paper entitled “Evaluation of Eudragit RL100 as a carrier for solid dispersion of Furosemide at International Conference on Drug Delivery held at PSG College of Pharmacy, Coimbatore, during 29<sup>th</sup> and 30<sup>th</sup> January 2010.
  3. Poster Presentation of paper entitled “Preparation and Evaluation of Dispersible Tablets of Chlorpheniramine Maleate” at International Conference on Drug Delivery held at PSG College of Pharmacy, Coimbatore, during 29<sup>th</sup> and 30<sup>th</sup> January 2010.
  4. Accepted for poster presentation “Lamivudine Liposomes – formulation, characterization and investigating the potential for transdermal delivery” at the CSPS 10th Annual Symposium on Pharmaceutical Sciences. Canada.
  5. Accepted for poster presentation “Formulation and Evaluation of Transdermal Drug Delivery System of Lamivudine” at Second International Symposium held during February 2007, at J.S.S. College of Pharmacy, Ooty, India
  6. A poster presentation of “Polymeric Buccal Films for the Treatment of Oral Candidiasis” was presented at the First Indo-Japanese International Symposium held at Mumbai during Nov. 28-29, 2005.
  7. Poster Presentation at the seminar, Advances in Delivery of Therapeutic and Diagnostic agents, held at Sydney, Australia during 1992.

**National:**

1. Poster Presentation Formulation and Evaluation of a Polypill with an Anticancer and an Antiemetic at 62nd Indian pharmaceutical Congress 2010 held Manipal University during 17-19 Decenber 2010, Manipal.
2. “Development of spherules of Furosemide Solid dispersion” at 62nd Indian pharmaceutical Congress 2010 held Manipal University during 17-19 Decenber 2010, Manipal.
3. “Sustained Release Pellets of Furosemide using Indigenous Eudragits, at Indian Pharmaceutical Association Convention – 2010 during 13<sup>th</sup> and 14<sup>th</sup> March 2010.
4. Poster Presentation of paper entitled “In-vitro-In-vivo Evaluation of Metformin Hydrochloride Floating Microspheres” 14<sup>th</sup> Annual National Convention of

- Association of Pharmaceutical Teachers of India during 3<sup>rd</sup> and 4<sup>th</sup> of October 2009.
5. Poster Presentation of paper entitled “In-vitro-In-vivo Evaluation of Metformin Hydrochloride Floating Microspheres” 14<sup>th</sup> Annual National Convention of Association of Pharmaceutical Teachers of India during 3<sup>rd</sup> and 4<sup>th</sup> of October 2009.
  6. Poster presentation on “Formulation, in-vitro and in vivo evaluation of Lamivudine Liposomal Hydrogels for Transdermal Drug Delivery” at the 59<sup>th</sup> Indian Pharmaceutical Congress held at BHU, Varanasi during 20<sup>th</sup> to 23<sup>rd</sup> of December, 2007.
  7. Poster presentation on “Optimization of Formulation parameters of Stavudine liposomes using 2<sup>3</sup> Factorial Design” at the 12<sup>th</sup> APTI National Level Convention held at Chandigarh from 25<sup>th</sup> to 27<sup>th</sup> of October 2007.
  8. A poster on “Lamivudine Liposomes for Transdermal Drug Delivery” was presented at the 58<sup>th</sup> Indian Pharmaceutical Congress held at Mumbai during 1<sup>st</sup>-3<sup>rd</sup> of Dec, 2006.
  9. Podium presentation on “Formulation and Characterization of Lamivudine Liposomes” at the 11th APTI National Level Convention held at Bangalore from 1<sup>st</sup> to 3<sup>rd</sup> of September 2006.
  10. A poster on “Transdermal Potential of Lamivudine - an Antiretroviral” was presented at the 57<sup>th</sup> Indian Pharmaceutical Congress held at Hyderabad during 2-4<sup>th</sup> of Dec, 2005.
  11. A poster “Transdermal Potential of Stavudine- an Antiretroviral” at the National level Convention of Association of Pharmaceutical Teachers India, held at Nagpur during Nov 28-29, 2005.
  12. Paper presentation in 44<sup>th</sup> Indian Pharmaceutical Congress held at Bangalore during 1993.

**CONFERENCES/ SEMINARS/WORKSHOPS ATTENDED:**

1. Attended a Workshop on Regulatory Affairs “Your Passport to the World” on 22nd October 2010, at Bengaluru, conducted by Pharma Leaf India Private Limited

2. Seminar on “Orally Disintegrating Platforms and benefits of Polyol Excipients” held on November 30, 2009 at SPI Pharma Bangalore.
3. TOT Programme at Al-Ameen College of Pharmacy, a work shop for training of Teachers in Educational Science and Technology held during 16<sup>th</sup> to 18<sup>th</sup> of July 2009.
4. 12<sup>th</sup> APTI National Level Convention held at Chandigarh 25<sup>th</sup> to 27<sup>th</sup> of October 2007.
5. “Drug Design” work shop held during 30<sup>th</sup> July – 3<sup>rd</sup> of August 2007, at Indian Institute of Sciences, Bangalore.
6. 58<sup>th</sup> Indian Pharmaceutical Congress held at Mumbai during 1<sup>st</sup>-3<sup>rd</sup> of Dec, 2006.
7. 11<sup>th</sup> APTI National Level Convention held at Bangalore from 1<sup>st</sup> to 3<sup>rd</sup> of September 2006.
8. 57<sup>th</sup> Indian Pharmaceutical Congress held at Hyderabad during 2-4<sup>th</sup> of Dec, 2005.
9. “Science of Scientific writing” work shop organized by American Association of Government College of Pharmacy in co-ordination with Al- Ameen College of Pharmacy, Bangalore in April 2005.
10. Technical Seminar on “Food & Pharmaceutical Analysis” held at Mysore, during April 2005.
11. National symposium on “Recent Advances in Drug Delivery Systems” organized by Al-Ameen College of Pharmacy, Bangalore, sponsored by AICTE, during 2001.
12. 44<sup>th</sup> Indian Pharmaceutical Congress held at Bangalore during 1993.
13. Management workshop cum seminar for Pharmacists conducted by The IPA Manipal branch during 1989.

**PROFESSIONAL MEMBERSHIP:**

Life Member of Indian Pharmaceutical Association

Life Member of Association of Pharmaceutical Teachers India

**PERSONAL INFORMATION:**

**Date of Birth:** 06<sup>th</sup> August 1968.

**Contact Address:** H. No 921, 7<sup>th</sup> Cross, II Block, BSK I Stage, Bangalore 560 050.

Residence: 080 – 26670364, Mobile: 9448118339

**Email:** roopapai68@gmail.com