

Dr. PRAMOD KUMAR

Pocket E-126 A, LIG Flats, Dilshad Garden Delhi-110095; Phone: +91-8755903593

Email:pramod_79kumar@rediffmail.com

FORMULATION SCIENTIST

Dynamic and versatile Formulation scientist with extensive detailed research and experimental experience. Holds a broad set of formulation development and technical skills that would benefit any organization. Proven history of collaboration with cross functional team to achieve continuous improvement and far reaching objectives.

Expertise includes outstanding product development skills of Sterile and Non Sterile products i.e. solid orals, liquid orals, Injectable, eye drops and external preparations. Total more than 11 years of experience with Pharmaceutical industry for product development, technical operation, transfer/commercialization and manufacturing. Highly skilled in devising new technological platforms in product development. Proven ability to manage challenging research schedule while working in complex and highly demanding environment.

CORE COMPETENCIES

- New Product Development
- ANDA/ NDA Development
- NDDS development i.e. Nanoparticle Liposomes, OROS,
- Sustained release formulation.
- Technology Transfer/ Commercialization
- cGMP, SOP, FDA, ICH Regulations
- Non Patent infringing (Para IV) product development.
- R&D bench/ pilot/ Feasibility trials
- Existing product Reformulation/ Process optimization
- R&D Lab and Production equipment Handling
- Microsoft Word, Excel, Power Point, Cross functional Team Collaboration.
- Good Written and verbal communication

PROFESSIONAL EXPERIENCE

Akums Drugs and Pharmaceuticals Ltd Haridwar (U.K.)

19 August 2021- till date

Principle Scientist (Head R&D)

- Responsible for preparing a short term and long term strategy for the R&D department with respect to equipment, technical capability building, resource requirements etc.
- To plan and prepare business case w.r.t Formulation Research and Development of new projects (Indian Markets).
- To review and assess techno-commercial feasibility of the proposal based on parameters like capability, capacity, viability assessment, cost estimates, etc.
- Worked for technology transfer, process development and trouble-shooting Designing non-infringing formulation strategy.
- Review and correction of all document like MMF, Process validation protocol, BE study protocol, stability protocol, development record etc.
- Present Idea and suggestions for new product development and process improvement.
- Responsible to protect IPs as newly developed IPs including registration and filing the patents.

AGM (Head R&D –NDDS Division)

- Responsible for preparing a short term and long term strategy for the R&D department with respect to equipment, technical capability building, resource requirements etc.
- To plan and prepare business case w.r.t Formulation Research and Development of new projects (Indian Markets).
- Responsible to protect IPs as newly developed IPs including registration and filing the patents.
- To review and assess techno-commercial feasibility of the proposal based on parameters like capability, capacity, viability assessment, cost estimates, etc.
- Designing non-infringing formulation strategy.
- Review and correction of all document like MMF, Process validation protocol, BE study protocol, stability protocol, development record etc.
- Worked for technology transfer, process development and trouble-shooting.

MANKIND RESEARCH CENTRE, IMT Manesar (Haryana)

16 July 2012- 9 April 2013

Senior Research Scientist

- Providing deep technical expertise regarding the development of pharmaceutical products for Indian Market and ROW.
- Supervising all the subordinates and major steps of formulation development.
- Initiate the development process on new products.
- Review and correction of all document like MMF, Process validation protocol, BE study protocol, stability protocol, development record etc.
- Worked for technology transfer, process development and trouble-shooting.
- To ensure that all relevant information is forwarded to the appropriate personnel on a regular and timely basis. Provide regular updates to R&D Head regarding progress on required duties and the status of projects.

KUSUM HEALTHCARE Pvt. Ltd. Bhiwadi (Raj.)

4 July 2011- 10 July 2012

Team Leader

- Initiate and provide in-depth technical expertise and adapt formulation solutions to complex products under development for CIS countries i.e. Tablets, capsules, ointment and topical gels.
- Monitor, evaluate and summarized stability results and draw appropriate conclusion.
- Review and correction of all document like MMF, Process validation protocol, BE study protocol, stability protocol, development record etc.
- Prepare technical documents relevant to area of responsibility such as Master manufacturing formula, Raw material and Product specifications, product development report, Technology transfer and commercialization report.
- Communication with other departments; Manufacturing, Quality, Supply chain, Regulatory and packaging for product development.
- To ensure that all relevant information is forwarded to the appropriate personnel on a regular and timely basis. Provide regular updates to R&D Head regarding progress on required duties and the status of projects.
- To ensure training (i.e. SOP, cGMP, ICH, FDA) has been received by all subordinates before undertaking specific duties.
- Present Idea and suggestions for new product development and process improvement.

Research Scientist

- Plan, conduct and interpret formulation and process development experiments of product for US and Europe markets (i.e. ANDA, NDA development)
 - Performing Pre-formulation study of generic molecules and interpretation of result (DSC, XRD, FTIR & PSD).
 - Initiating stability studies for lab scale and scale-up batches as per ICH guidelines and compilation of relevant stability data.
 - Good in documentation of laboratory note books, preparation of pharmaceutical development reports, SOP for R&D equipment/instruments and documents preparation as per regulatory requirements.
 - Preparation of all document like MMF, Process validation protocol, BE study protocol, stability protocol, development record etc.
 - Literature Search & Patent Evaluation of the products under development.
-

EDUCATION

1. Ph. D **2004-2008**

Subject: Pharmaceutics

Title: Studies on Novel Osmotically Controlled Oral Delivery systems Of Some drugs-
Development and Evaluation. Institute of Technology, Banaras Hindu University.

2. Master in Pharmacy **2001-2003**

Specialization: Pharmaceutics

Title: Studies on osmotically controlled oral drug delivery system of Naproxen sodium-
Development and Evaluation. Institute of Technology, Banaras Hindu University.

3. Bachelor in Pharmacy **1996-2000**

College of Pharmacy, Delhi University, Delhi

RESEARCH PUBLICATIONS	PATENTS FILED
<ol style="list-style-type: none"> 1. P. Kumar: Lyophilization: An important formulation Technique: <i>Int. J. Res.-Granthaalayah</i>. 7: 382-385, 2019 2. P. Kumar: Artificial intelligence and its application in Pharmaceutical medicines: <i>Int. J. Res.-Granthaalayah</i>. 7: 382-385, 2019 3. P. Kumar: Genomic Medicine and its future Prospects: <i>Acta Scientific Pharm. Sci.</i> 2: 45-46, 2018 4. P. Kumar: Use of oral methadone as an analgesic: Review of the cardiotoxic side effects. <i>Clinical Medicine Insight: therapeutics.</i> 2: 299-310, 2010. 5. P. Kumar, S. Singh and B. Mishra: Development and biopharmaceutical evaluation of extended release formulation of Tramadol hydrochloride based on osmotic technology. <i>Acta Pharmaceutica.</i> 59: 15-30, 2009. 6. P. Kumar, S. Singh and B. Mishra: Floating osmotic drug delivery system of Ranitidine hydrochloride: Development and Evaluation: <i>AAPS Pharm. Sci. Tech.</i> 9: 480-485, 2008. 7. P. Kumar, S. Singh and B. Mishra: Colon targeted delivery systems of Metronidazole based on osmotic technology: Development and evaluation: <i>Chem Pharm. Bull.</i> 56: 1234-1242, 2008 8. P. Kumar, S. Singh and B. Mishra: Development and evaluation of Elementary osmotic pump of highly water soluble drug: Tramadol hydrochloride. <i>Current Drug Del.</i> 6:130-139 ,2009 9. P. Kumar, S. Singh and B. Mishra: Gastroretentive drug delivery system of Ranitidine hydrochloride based on osmotic technology: development and evaluation. <i>Current Drug Del.</i> 5: 332-342, 2008. 10. P. Kumar, S. Singh and B. Mishra: Elementary osmotic pump of Tramadol hydrochloride containing swellable polymer as release retardant. <i>Indian Drugs</i> 45: 904-907, 2008. 11. P. Kumar, and B. Mishra: Comparison of <i>in-vitro</i> dissolution profiles-An overview. <i>Pharma Review.</i> 4: 94-110, 2008. 12. P. Kumar, and B. Mishra: Colon targeted delivery systems- An overview. <i>Current Drug. Del.</i> 5: 186-198, 2008. 13. P.Kumar and B. Mishra: An overview of recent patents on oral osmotic drug delivery systems. <i>Recent Patents on Drug Del. & Form.</i> 1: 236-255, 2007. 14. B. Mishra, Bharti V. Bakde, P.N. Singh and P. Kumar: Development and In-vitro evaluation of oral sustained release formulation of Tramadol hydrochloride. <i>Acta. Pharm. Scientia.</i> 48: 153-166, 2006. 15. P. Kumar, S. Singh, A.K. Srivastava, P.S. Rajinikanth. and B. Mishra: An overview of osmotic pressure controlled release oral formulation. <i>J. Pharm. Res.</i> 5: 34-45, 2006. 16. P. Kumar, A.K. Srivastava, and B. Mishra: Studies on Fructose based osmotic Controlled Tablets of Naproxen Sodium: <i>J. Pharm. Res.</i> 4: 61-64, 2005. 17. P. Kumar and B. Mishra: Studies on elementary osmotic pump tablets of naproxen sodium, <i>Acta Pharm.Turc.</i> 46:35-41, 2004. 18. P. Kumar, C. Sankar and B. Mishra: Delivery of macromolecules through skin - An overview, <i>The Indian Pharmacist.</i> 3: 7-18, 2004. 	<ol style="list-style-type: none"> 1. "Stable Solid Pharmaceuticals Composition of Clopidogrel" Indian Patent Application No. 239/MUM/2010. 2. "Pharmaceutical Composition Comprising Citicoline and Process for Preparing the same" Indian Patent No. 326540 3. "Development of Miconazole loaded Solid-lipid nanoparticles" Australian Patents No. 2021107452 4. "Solid lipid nanoparticle formulation system of Felodipine for an effective antihypertensive treatment. German Patent No. 202022100360 <p>PROFESSIONAL BODY MEMBER</p> <ol style="list-style-type: none"> (1) Board of Editor: Journal of Ophthalmology and Eye Disorders (2) Board of Editor: Acta Scientific Pharmaceutical Sciences (ASPS) (3) Board of Editor: Journal of Nanotechnology and Material Sciences. (4) Board of Editor: Journal of Formulation Science & Bioavailability. (5) Life Membership of Indian Pharmacy Graduate Association (IPGA) LM-2167 (6) GOLD Membership of IMRF (Int. Multidisciplinary Research foundation)-2019

BOOK CHAPTERS

- 1) **Title: Microbiome in Inflammatory lung disease.** Publisher Springer 2022. Chapter 13. Microbiome in Idiopathic Pulmonary fibrosis, Page No 227-240.
- 2) **Title: Microbiome in Inflammatory lung disease.** Publisher Springer 2022. Chapter 16. Microbiome in Influenza-A virus infection, Page No 295-308.

HONOR/ AWARDS

- 1) Winner of “OUTSTANDING SCIENTIST AWARD”-2020.
Awarded By: Scifax Company groups, Chennai, India
- 2) Winner of VD GOOD “BEST RESEARCHER AWARD”-2019.
Awarded By: VDGGOOD Professional Association, Chennai, India.
- 3) Winner of BEST SCIENTIST AWARD-2019.
Awarded By: IMRF, Hyderabad, India.
- 4) Winner of EXCELLENT RESEARCHER AWARD-2019.
Awarded By: GISR Foundation New Delhi, India
- 5) Winner of Industrial Excellence Award 2018 for Best R&D work:
Organized by: TV 100, Uttarakhand Area.

Awarded By: Choudhary Birendra singh Honorable Cabinet Minister Govt. of India.

- (7) Active Member of VD GOOD Professional Association -2019
- (8) **Registered Pharmacist:** Delhi Pharmacy Council.
- (9) **Peer-Reviewed** of 12 well reputed pharmaceuticals journals i.e. Journal of controlled release, African journal of pharmacy and pharmacology, Clinical medicine insight: therapeutics, Drug Development and Industrial Pharmacy, Asian Journal of Pharmaceutics, Journal of drug Targeting, Int. Journal of Applied Pharmaceutics etc.

ADDITIONAL PROFESSIONAL SKILLS

- 1) **Certificate Course:** Causes of Human disease: Exploring cancer and Genetic diseases
University of LEEDS, Australia 2019
- 2) **Diploma in Management** 2005-2007
Indira Gandhi National Open University (IGNOU), Delhi
- 3) **Professional Diploma in Clinical research** 2006-2007
Catalyst Clinical services Noida (U.P.)
- 4) **Diploma in Spanish** 2005-2007
Banaras Hindu University (UP)
- 5) **Desktop Management Skills (MS Word, Excel, PowerPoint) 2000**
APTECH, Vivek Vihar, Delhi

PERSONAL PROFILE

- 1) **Born:** 5 Jan. 1978
- 2) **Sex:** Male
- 3) **Marital Status:** Married (Blessed with 2 Kids)
- 4) **Nationality:** Indian
- 5) **Language Known:** English, Hindi
- 6) **Current Designation:** Principle scientist

REFERENCES:

Mr. Sunil Mirajkar

General Manager (GM)
Formulation Research & Development (Head)
Akums Drugs and Pharmaceuticals Ltd
Mobile: +917060408102
E-mail: sunilmirajkar27@gmail.com

Dr M. Hemant

General Manager (GM)
Research and Development (Herbal and Nutraceuticals)
Akums Drugs and Pharmaceuticals Ltd
Mobile: +919058532797
E-mail: phytochem2@gmail.com