

Resume

Mahendra Singh Rathore

Address (Permanent)

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Academic background

M.Pharm., Delhi Institute of Pharmaceutical Education and Research (Formerly College of Pharmacy), University of Delhi, New Delhi with **Ist Division (69%)**

B.Pharm. Lachoo Memorial College of Science and Technology (Pharmacy), Jodhpur, Rajasthan with **Ist Division (73%)**

GATE Qualified in year 2001 with **87.36** percentile conducted by **IIT Kanpur.**

Present Status

Working as Lecturer at B.R. Nahata College of Pharmacy, Mandsaur, (M.P.) and also as researcher at contract research center, BRNSS, Mandsaur, (M.P.)

Experience

Research: Being in faculty and researcher at BRNSS contract research center acquired two years of research experience in the area of formulation development.

Industrial : ≈One year industrial experience in Cipla Ltd. Mumbai

Examiner/Evaluator at University Level

Appointed as External Examiner (2 times) For Practical exams of B.Pharm

Pharmaceutics subject by Rajiv Gandhi Proudhogiki Vishwavidhyalaya, Bhopal, M.P.

Professional Recognition (Editor of Journal)

Acquition Editor for 'Asian Journal of Pharmaceutics'.

website: www.asiapharmaceutics.info

Research Interest Areas

Formulation research and Development

- Development and evaluation of ophthalmic formulation; presently conducting transport studies of amino acids and analogues through cornea; prodrug design for amino acid transporter targeted drug delivery.
 - Quality audit of marketed pharmaceutical formulations
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Responsibilities held / holding

- Holding the responsibility (Advisor) of Training and Placement Cell, B.R. Nahata College of Pharmacy, Mandsaur, M.P.
- Advisor for Drug Information Center located at B.R. Nahata College of Pharmacy, Mandsaur.
- In charge, Drug Development and Industrial Pharmacy Research Laboratory, B.R. Nahata College of Pharmacy, Mandsaur, M.P.
- Being Co-coordinator, Organized a Seminar entitled 'Canadian Immigration: A Live Consultation' in Collaboration with Three Feathers International at B.R. Nahata College of Pharmacy.
- Being in proceedings, organized a workshop entitled "Academia-Industry Workshop" at B.R. Nahata College of Pharmacy.
- Being in Proceedings, organized **1st MP state convention** entitled "**Central Province at the Periphery of Pharmacy Profession- Strategies to Rectify**" at B.R. Nahata College of Pharmacy, Mandsaur (M.P), March 2-3, 2006.
- Being Co-coordinator, Organized an academia Industry Seminar on "Chinese and Canadian Experiences in Pharmaceutical Research" at B.R. Nahata College of Pharmacy, Mandsaur, July 26th, 2006.

- As In charge Tour, Training and Placement Conducted an industrial visit successfully in the month of September for the 60 students to Goa and Mumbai.
- Conducted a state level examination “ Sanvida Shikshak Parikhsha” organized by Vyavasayik Parikhsha Mandal, Bhopal.
- As Convener (Proceedings) organized “ 2nd National Seminar and Intellectual Property Fair on Green Pharmacy” on 28 &29th October 2006 at BRNSS contract Research Center, B.R.Nahata College of Pharmacy, Mandsaur, MP.

Research Projects (Academics/Industrial/Government Sponsored) Completed/ Pursuing

1. **Co Investigator** for “Study of Bottlenecks in Industry, Academics and Institution Linkage in Pharmaceutical Sector and Development of Database for Academics Industry Partnership Promotin” A Two year Project worth 16.75 Lacs sanctioned by **NSTMIS Division of Department of Science and Technology, Government of India.** (Project is going on)
2. Transcorneal Permeation of Gatifloxacin: A Fluoroquinolone
3. Pharmacy Practice: Future Trends in India,
4. Corneal Transport based evaluation of marketed eye drops of Ciprofloxacin and Diclofenac.
5. Formulation and Evaluation of Floating Drug Delivery Systems
6. Self Emulsifying Formulation for Poorly Water Soluble Drugs
7. Liposomal Aerosolized Technology for targeted delivery of an antitubercular drug.
8. Corneal transport of amino acid and analogues. (In process).
9. Formulation Development and Trouble Shooting for Swiss Medicare Pvt. Ltd., Sri Ganganagar, Rajasthan.
10. Product Development and Trouble Shooting For Tannex Industries, Bhopal ,M.P.

11. Development and Evaluation of Colon Specific Drug Delivery System. (In Process)
12. Formulation Development and Evaluation for Improved Ocular Delivery. (In Process)

Students Guided For Research (UG/PG)

B.Pharm Students Guided/Guiding	Ten
M.Pharm Students Guided/Guiding	Eight

Publication/Presentations/Patents

International

1. **Mahendra Singh Rathore** , Deepak K.Majumdar. Effect of formulation factors on transcorneal permeation of gatifloxacin from aqueous drops. *AAPS PharmSciTech.* 2006; 7(3): Article 57. **(Impact Factor 1.9)**
2. Saini V. *, Middha A., Kinger H.K., **Rathore M.S.**, Rathore S ‘Antibacterial And Antifungal Activities of *Solanum Xanthocarpum* Leaf ’ **(Accepted in International Journal of Plant Sciences)**
3. V.K. Chatap, P.K. Gaur, R.D. Gupta, D.K. Sharma. **M.S. Rathore**, Vipin Saini, V.B. Gupta, “Effect of selected disintegrants on dispersibility of ondansetron HCl dispersible tablets” Research Paper (**International Journal of Pharmaceutical Excipients** under communication).
4. Vipin Saini, **M.S.Rathore**, Anil Middha, S. Gupta, Manoj Bhadauria, J.K.Bhatt, “ A Simple Spectrophotometric Method for Determination of Solasodine in Capsule Dosage Form” **(Accepted in International Journal of Plant Sciences) National**

5. Vikas Anand, Prashant Beniwal, Anil Middha, **M.S Rathore**, D.K. Sharma. *Patent: A Mess for Prior Art Searcher. The Indian Pharmacist 47(5), 2006, 9-13.*
6. **Rathore M.S.**, Middha A. Saini V. and Gupta V.B. “*Effect of Herbal Eye Drops on Isolated Cornea And Lens*” (Communicated to **Indian Drugs**)
7. V. Chatap, D.K. Sharma, **M.S. Rathore**, Anil Middha and V.B. Gupta, “*Formulation and Evaluation of Mouth Dissolving Tablets of Ondansetron HCL Using Sublimation Technique*”. **IJPS**, Indian Journal of Pharmaceutical Sciences. (Communicated).
8. Saini V., Middha A., **Rathore M.S.**, Gupta S., Wate S.P., Busari K.P. “ A New HPLC Method for Determination of Solasodine in Solanum Xanthocarpum Capsules. (Accepted in International Journal Plant Archives)
9. Saini V., Middha A., **Rathore M.S.**, Gupta S., Wate S.P., Busari K.P. “ A Simple Spectrophotometric Method for Determination of Solasodine in Solanum Xanthocarpum Capsules. (Communicated to International Journal of Plant Sciences)
10. P.K. Gaur, V.K. Chatap, Anil Middha, **M.S. Rathore**, V.Saini, S.S. Sisodiya “*Ethyl Cellulose Microspheres of Pioglitazone HCl : Characterization, In Vitro Evaluation.* (Communicated to Indian Pharmacist)
11. **Rathore M.S.**, Gautam S.S., Middha A., Saini V., Sisodiya S.S., “ Buoyant Drug Delivery Systems: An Overview” (Communicated to Indian Drugs).
12. Anil Middha*,**M.S.Rathore**, Vipin Saini, Amit Talesara, V.S. Patidar “*Effect of pH on the solubility and dissolution rate of Pioglitazone HCl*” (Communicated to *Indian Pharmacist*)
13. Anil Middha, M.S. Rathore*, Vipin Saini, V.S. Patidar, Amit Talesara “Relative in vitro protein binding characteristics of diclofenac sodium, pantoprazole and gatifloxacin with human serum and plasma (Communicated to Indian Pharmacist).

14. V.K. Chatap, P.K. Gaur, R.D. Gupta, D.K. Sharma. **M.S. Rathore**, Vipin Saini, V.B. Gupta, "Development of Microsphere of Carvedelol: Characterization, In Vitro Evaluation" Research Paper (**Indian Journal of Pharmaceutical Education**, communicated).
 15. V.K. Chatap, P.K. Gaur, R.D. Gupta, D.K. Sharma. **M.S. Rathore**, Vipin Saini, V.B. Gupta, "In-vivo study of fast dissolving pantaprazole by time sensitivity method" Research Paper (**Indian Drug** under communication).
 16. V.K. Chatap, P.K. Gaur, R.D. Gupta, D.K. Sharma. **M.S. Rathore**, Vipin Saini, V.B. Gupta, "Design & evaluation of rapidly disintegrating tablet of pantaprazole" Research Paper (**Indian Journal of Pharmaceutical Science**, under communication).
 18. Anil Middha, M.S. Rathore, Amit Gupta, Pankaj Middha, Himanshu Middha. "Mucoadhesive Systems for Buccal Drug Delivery" (Communicated to Indian Pharmacist)
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Presentations at Conferences/ Seminar

19. **Rathore M.S.**, Rathore G.S., Chandravat B.S. "Poster Presentation during National Seminar held at B.R.Nahata College of Pharmacy, In the month of April 2005 on "*Natural Approaches to treat Hypertension*" and "*Review of Medicinal Uses of Butea monosperma*"
20. **M.S.Rathore**, Oral Presentation entitled "*Transcorneal Permeation of Gatifloxacin Using Different Animal Models*" at **1ST MP State APTI Convention**" at B.R.Nahata College of Pharmacy, Mandsaur (M.P.) March 2-3, 2006. (**Awarded Best Paper in The Convention**)
21. Vishal Sarda, Prashant Dalal, **M.S. Rathore** and D.K. Sharma. "*Gamma scintigraphy: A potential tool for evaluation of pharmaceuticals*". Poster presentation, 1st MP State APTI Convention, B.R. Nahata College of Pharmacy, Mandsaur, March 2-3, 2006.

22. Vipin Saini, D.K Sharma, Anil Middha, **M.S Rathore**, V.B Gupta, Presented a Paper in Guru Ghasidas University Bilaspur on topic “ Heavy metals: A big challenge to Herbal Formulations”
23. Vipin Saini, D.K Sharma, Anil Middha, **M.S Rathore**, V.B Gupta Presented a Paper in Guru Ghasidas University Bilaspur on topic “Quality Assesment of Herbal Formulations”
24. Amit Talesara*, M. S. Rathore and Anil Middha Polysaccharides From Natural Sources For Colon Specific Drug Delivery: A Review. International Journal of Green Pharmacy, Vol.1, Oct.,2006
25. Tasneem Ara*, Mahendra Singh Rathore, Rishi Rahangdale and Kalpana Patidar Natural Pharmaceutical Excepiet International Journal of Green Pharmacy, Vol.1, Oct.,2006
26. Anil Middha*, Neetesh K. Jain, Ankur Sharma and M.S. Rathore Role Of Herbals For Treatment Of Cataract International Journal of Green Pharmacy, Vol.1, Oct.,2006
27. Amit Gupta* Anil Middha,V.Saini and M.S. Rathore Capsule Shells Vegicaps: A Novel Herbal Approach International Journal of Green Pharmacy, Vol.1, Oct.,2006

Patents

28. Gupta Yogesh, **Rathore M.S.** and Gupta V.B. “*Self Emulsifying Formulation for Poorly Water Soluble Drugs.* **Provisional Patent** filed to Regional Indian Patent Office, Mumbai.

Competitions (State/National/International)

Participated in National Debate on “ Draft National Pharmaceutical Policy” Held at B.R. Nahata College of Pharmacy, Mandsaur on Independence Day, 2006.

Seminar/Conferences attended

1. Attended '**Management Course for Hospital Pharmacists**' Organized By IHPA, at New Delhi (21st Oct to 27th Oct. 2002)
2. Quality improvement Programme entitled '**Advances in Pharmacology**' held at College of Pharmacy, New Delhi (11th to 15th Nov.2002)
3. Quality improvement Programme entitled '**Advances in Herbal Technology**' held at College of Pharmacy, New Delhi (24th to 28th March 2003)
4. Quality improvement Programme entitled '**Recent Advances in Pharmaceutical Sciences**' held at College of Pharmacy, New Delhi (10th to 14th Nov. 2003)
5. Quality improvement Programme entitled '**Recent Advances in Pharmacology**' held at Delhi Institute of Pharmaceutical Sciences and Research, New Delhi (17th to 21st Nov. 2003)
6. Attended Workshop on "**Opportunities and Challenges for Small Scale industries in Pharmacy**" held at B.R.Nahata College of Pharmacy, Mandsaur in the month of February 2005.
7. Attended National Seminar on "**Green Pharmacy and Intellectual Property Fair**" Held at B.R.Nahata College of Pharmacy, Mandsaur in the month of April 2005.
8. Attended seminar entitled "**Academia- Industry Workshop**" at B.R. Nahata College of Pharmacy, Mandsaur in the month of November,2005.
9. Attended seminar entitled "**Academia Industry HR seminar**" at B.R.Nahata College of Pharmacy, Mandsaur (M.P), Feb-28 to March-1, 2006
10. Attended "**NBA: The Task Ahead (A Preparatory Workshop)**" at B.R. Nahata College of Pharmacy, Mandsaur (M.P) on 21/12/2005
11. Organized and participated on topic "**Regulatory and business aspect of clinical research**" by Dr. Arani Chatterjee, G.M clinical Research Panacea Biotech Ltd. New Delhi at B.R.N.C.O.P on dated 26th Nov 2005
12. Participated in Seminar entitled "**Clinical Services –Introduction and Scope** by Sanjay Gupta and Dr.Gaurav Catalyst Clinical Services New Delhi" at B.R.N.C.O.P dated 28th Feb 2006

13. Attended 1st MP state convention entitled “**Central Province at the Periphery of Pharmacy Profession- Strategies to Rectify**” at B.R. Nahata College of Pharmacy, Mandsaur (M.P), March 2-3, 2006.
14. Attended Academia Industry Seminar on “Chinese and Canadian Experiences in Pharmaceutical Research” at B.R. Nahata College of Pahrmary, Mandsaur, July 26th, 2006.
15. 2nd National Seminar and Intellectual Property Fair on Green Pharmacy” on 28 & 29th October 2006 at BRNSS contract Research Center, B.R.Nahata College of Pharmacy, Mandsaur, MP.
16. Attended 58th Indian Pharmaceutical Congress held at Mumbai, 1-3 December 2006.
17. Attended International Conference organized by FICCI at New Delhi, Entitled “India R & D 2006, Mind to Market” December 4-6, 2006. **His Excellency Dr APJ Abdul Kalam Azad inaugurated the conference.**

Awards/ Scholarships

1. Received **scholarship** from University Grant Commission, Govt. of India, worth Rs. **30,000 per annum** for a period of 2 years.
2. Various merits in sports, Quizzes and other Co- Curricular activities at school and college level.
3. Awarded **Gold Medal** in the Category of Oral Presentations in *1st MP State APTI Convention entitled “Central Province at the Periphery of Pharmacy Profession- Strategies to Rectify”* held at B.R.Nahata College of Pharmacy, Mandsaur (M.P.) March 2-3, 2006.

Personal Details

Date of Birth : 19th May, 1978

Marital Status : Married

Language command : Hindi, English, Marwari, Mewari

Personal Strengths : Highly motivated and hardworking individual aspiring for growth with problem solving approach and positive thinking towards life

Hobbies : Reading, Playing Table Tennis, Hockey, Cricket

M.S. Rathore