




CURRICULUM VITAE

Name:	Dr. Saurabh Singh Rathore	
Designation:	Assistant Professor	
School:	School of Life Sciences	
Department:	Biotechnology	
Specialisation & Research Interests:	Human Genetics, Pharmacogenomics, Patient centric outcome research.	
Email IDs (Official & Personal)	ssrathore@mgcub.ac.in	
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Address:	Department of Biotechnology, Mahatma Gandhi Central University, Motihari, Bihar, India, Pincode: 845401	

2. ACADEMIC QUALIFICATION (in reverse Chronological order):

Degree	Year	University / Board
Ph.D.	2013	Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow, India
M.Sc.	2008	Madurai Kamaraj University, Madurai, Tamilnadu
B.Sc. (Hons.)	2006	Banaras Hindu University, Varanasi, Uttar Pradesh

3. ANY OTHER QUALIFICATION:**4. PROFESSIONAL EXPERIENCE:**

Organisation/Institute/University	Position Held	Duration
Mahatma Gandhi Central University	Assistant Professor	3 Years and 3 Months

5. ADMINISTRATIVE ASSIGNMENTS:

Position Held	Duration	Nature of Work
Teacher-in-charge	10 Months	Academic
Deputy Proctor	11 Months	Official

6. COURSES TAUGHT:

B.Sc. (Hons.): Genomics and Proteomics, Biochemistry and Metabolism, Genetics, Bioprocess Technology, Industrial Fermentations, Immunology, Microbiology, Medical Microbiology

M.Sc. : Biochemistry and Metabolic Regulation, Genetics and Molecular Biology

7. RESEARCH SUPERVISION:**A. Ph.D.:**

- i. **Awarded** :
- ii. **Submitted** :
- iii. **Ongoing** :

B. M.Phil.:

- i. **Awarded** :
- ii. **Submitted** :

iii. Ongoing :

C. Non-Degree Oriented (Master's Level Dissertation):

i. Awarded :

ii. Submitted :

iii. Ongoing :

8. CONTRIBUTION TO CORPORATE LIFE OF THE UNIVERSITY:

Contributed as member of the following committees/boards:

Campus Development Committee, Anti-Ragging Squad, Flying Squad, Board of Studies of Departments of Biotechnology and Zoology, Proctorial Board, Discipline Committee, Cultural and Literary Council, Career Counselling and Placement cell

9. MEMBERSHIP OF SOCIETIES / PROFESSIONAL BODIES:

10. PUBLICATIONS :

A. BOOKS/MONOGRAPHS:

1. Authored:

i.

ii.

iii.

2. Edited:

i.

ii.

iii.

B. PAPERS IN REFEREED/PEER REVIEWED JOURNALS:

- i. Therapeutic dosing of acenocoumarol: proposal of a population specific pharmacogenetic dosing algorithm and its validation in north Indians. *Rathore SS, Agarwal SK, Pande S, Singh SK, Mittal T, Mittal B. PLoS One. 2012;7(5):e37844. doi: 10.1371/journal.pone.0037844. Epub 2012 May 22.*
- ii. CYP4F2 1347 G > A & GGX 12970 C > G polymorphisms: frequency in north Indians & their effect on dosing of acenocoumarol oral anticoagulant. *Rathore SS, Agarwal SK, Pande S, Singh SK, Mittal T, Mittal B. Indian J Med Res. 2014 Apr;139(4):572-8.*
- iii. Pharmacogenetic aspects of coumarinic oral anticoagulant therapies. *Rathore SS, Agarwal SK, Pande S, Singh SK, Mittal T, Mittal B. Indian J Clin Biochem. 2011 Jul;26(3):222-9. doi: 10.1007/s12291-011-0133-3. Epub 2011 May 1.*
- iv. Frequencies of VKORC1 -1639 G>A, CYP2C9*2 and CYP2C9*3 genetic variants in the Northern Indian population. *Rathore SS, Agarwal SK, Pande S, Mittal T, Mittal B. Biosci Trends. 2010 Dec;4(6):333-7.*
- v. Association of angiotensin I-converting enzyme gene insertion/deletion polymorphism with rheumatic heart disease in Indian population and meta-analysis. *Gupta U, Mishra A, Rathore SS, Agarwal SK, Pande S, Garg N, Mittal B. Mol Cell Biochem. 2013 Oct;382(1-2):75-82. doi: 10.1007/s11010-013-1719-2. Epub 2013 Jun 8.*
- vi. Effect of CYP4F2, VKORC1, and CYP2C9 in Influencing Coumarin Dose: A Single-Patient Data Meta-Analysis in More Than 15,000 Individuals. *Danese E et al. Clin Pharmacol Ther. 2019 Jun;105(6):1477-1491. doi: 10.1002/cpt.1323. Epub 2019 Feb 17.*
- vii. The impact of VKORC1-1639 G>A polymorphism on the maintenance dose of oral anticoagulants for thromboembolic prophylaxis in North India: A pilot study. *Rathore S.S., Agarwal SK, Pande S, Mittal T and Mittal B Indian Journal of Human Genetics, 2011, 17 Suppl 1:S54-7*
- viii. Association of genetic polymorphisms in STAT 3, STAT 5b and GWAS identified PTPN22 Gene with rheumatic heart disease. *U Gupta, A Mishra, SS Rathore, SS Mir, SK Agarwal, N Garg, B Mittal. Molecular cytogenetics 2014, 7 (1), P110*

C. PAPERS IN CONFERENCES PROCEEDINGS:

- i.
- ii.
- iii.

11. Patents/Copyrights /IPR (If Any)**12. INVITED TALKS:****13. RESEARCH PROJECTS (COMPLETED / ONGOING):****14. PARTICIPATION & PRESENTATIONS IN SEMINARS/SYMPOSIA/WORKSHOPS/CONFERENCES:****International Conferences:**

1. **Saurabh Singh Rathore**, Balraj Mittal, Surendra Kumar Agarwal, Shantanu Pande and Sushil Kumar Singh. Population specific pharmacogenetic dosing model for coumarinic oral anticoagulants and its utility in North Indian patients with artificial heart valves. (Human Genome Meeting 2012: Genetics and Genomics in Personalised Medicine, *Sydney, Australia*, 2012).
2. **Saurabh Singh Rathore**, Surendra Kumar Agarwal, Shantanu Pande, Sushil Kumar Singh and Balraj Mittal. New pharmacogenetic dosing Algorithm for personalised oral anticoagulant therapy. (International Conference on Genes, Genetics & Genomics & XXXVII Annual Conference of the Indian Society of Human Genetics, *Chandigarh, India*, 2012).
3. **Saurabh Singh Rathore**, Surendra Kumar Agarwal, Shantanu Pande, Sushil Kumar Singh and Balraj Mittal. Frequency distribution of CYP4F2 1347 G>A and GGCC 12970 C>G SNPs in North Indians and their association with dosing phenotypes of Acenocoumarol oral anticoagulant. (38th Annual Conference of the Indian Society of Human Genetics: Genomics & Community Health & International Symposium on Developmental and Complex Disorders, *Varanasi India*, 2012).

4. **Saurabh Singh Rathore**, Surendra Kumar Agarwal, Shantanu Pande, Sushil Kumar Singh, Balraj Mittal. Impact of VKORC1 -1639 G>A, CYP2C9*2 and *3 Polymorphisms on Maintenance Dose of Oral Coumarins for Thromboembolic Prophylaxis in Northern Indian Population. (International Conference on Genomics, Genetic Diseases and Diagnostics & XXXVI Annual Conference of the Indian Society of Human Genetics, *Manipal, India*, 2011).

National Conferences:

5. **Saurabh Singh Rathore**, Surendra Kumar Agarwal, Shantanu Pande, Sushil Kumar Singh and Balraj Mittal. Proposal of a new population specific pharmacogenetic dosing algorithm and its utility in treatment of patients on oral anticoagulant therapy (80th Annual Meeting of the Society of Biological Chemists CSIR-SBC-CIMAP, *Lucknow, India*, 2011).
6. **Saurabh Singh Rathore**. Identification of small non-coding dicF RNA within the intergenic region flanked by conserved dicA/dicB-qin prophage gene in a lactose fermenting bacterial genome. (National Seminar on Recent Advances in the Development of Fermented Foods, *Varanasi, India*, 2011).

15. AWARDS, FELLOWSHIPS & OTHER DISTINCTIONS:

CSIR NET JRF, DBT JRF, GATE

16. ANY OTHER SIGNIFICANT INFORMATION:

Dr. Saurabh Singh Rathore