

## CURRICULAM VITAE



### DR. MAHADEO KUMAR

BVSc & AH (Equivalent to DVM), MVSc  
Jr. Scientist, Animal Facility  
CSIR-Indian Institute of Toxicology Research  
Post Box No. 80, M. G. Marg, Lucknow, U.P., India  
Email: [mahadeo@iitr.res.in](mailto:mahadeo@iitr.res.in)  
Alternative Email: [drmahadeo@rediffmail.com](mailto:drmahadeo@rediffmail.com)



### Academic Qualifications

M.V.Sc. (2004)	Animal Genetics & Breeding, College of Veterinary science Acharya N.G. Ranga Agricultural University, Rajendranagar, Hyderabad-30
B.V.Sc. & A.H. (2001) (Equivalent to DVM)	College of Veterinary Science & Animal Husbandry, Anjora, Durg Indira Gandhi Krishi Vishwa Vidyalaya, Raipur, (C.G.)

### Positions Held

Jr. Scientist (Sep. 2008 - Present)	Animal Facility, CSIR-IITR, Lucknow
Veterinary Officer (Sept. 2005 to Aug. 2005)	Veterinary Officer, Department of Animal Husbandry, Bihar, Patna
Veterinarian (April 2004 to Aug. 2005)	Veterinarian, Vimta Labs Ltd. Cherlapally, Hyderabad

### Technical Skills

Molecular biology technique (Molecular markers *Viz.* RAPD, Microsatellite, RFLP)

Rodent handling and breeding colony management

Conducting regulatory toxicological studies following OECD guideline

Management and supervision of laboratory animal facility

Biochemical analysis of serum/plasma

### Publications

#### Scientific Articles

- 1) Latha K.V. Krishna, Kumar Mahadeo, Mishra S.K., Gupta B. Ramesh, Hazary R.C., Sharma R.P. Molecular genetic characterization of Cornish broiler chickens. *Indian journal of poultry science* (2010) 45(2): 127-132.
- 2) Kumar Mahadeo, Mishra S K, Prasad VLK, Sharma RP, Gupta BR. Genetic diversity studies of long-term selected white leghorn strains vis a vis a brown egger population by multi-locus DNA (RAPD) markers. *Online journal of veterinary research* 14(1):75-86, 2010.
- 3) Mishra S K, Kumar Mahadeo, Sharma RP, Rajnarayan and J S Tyagi. Assessment of generic differences between and within four avian species by employing randomly amplified

polymorphic DNA markers. *Indian journal of poultry science* (2008) 43(3): 257-261.

- 4) Kumar Mahadeo, Mishra S K, Prasad V L K, Sharma R P, Gupta B R and Rao G N. Molecular genetic characterization of four white leghorn strains using microsatellite markers. *Indian journal of poultry science* (2006) 41: 221-227.

### Scientific Abstracts

- 1) Mahadeo Kumar, Sharad Kumar, Akshay Dwarakanath, Dinesh Purohit, Daya Shankar Upadhyay. Evaluation of Genetic And Genomic Similarity of Inbred Strains of Mice Employing Microsatellite Markers. The Genetics Society of America Conferences, Mouse Molecular Genetics held on October 2012.
- 2) Mahadeo Kumar, Sharad Kumar, D C Purohit and D S Upadhyay. Evaluation of genetic similarity between inbred strains of mice using microsatellite markers. National symposium on laboratory animal science in the new millennium- challenges and solutions held on 24<sup>th</sup> & 25<sup>th</sup> April, 2012, NIN, Hyderabad.
- 3) Sharad Kumar, Mahadeo Kumar and Pankaj Jagdale. Assessment of inter-generic relationship in rodents by random amplified polymorphic DNA marker. National symposium on laboratory animal science in the new millennium- challenges and solutions held on 24<sup>th</sup> & 25<sup>th</sup> April, 2012, NIN, Hyderabad.
- 4) D C Purohit and Mahadeo Kumar. Animal welfare in the regulatory toxicology. National symposium on laboratory animal science in the new millennium- challenges and solutions held on 24<sup>th</sup> & 25<sup>th</sup> April, 2012 at NIN, Hyderabad.
- 5) B H Manjunatha Prabhu, Hema Negi, Pankaj Jagdale and Mahadeo Kumar. Molecular markers (microsatellite) for genetic monitoring of mice. National symposium on laboratory animal science in the new millennium- challenges and solutions held on 24<sup>th</sup> & 25<sup>th</sup> April, 2012 at NIN, Hyderabad.
- 6) Mahadeo Kumar, Abhinav Pathak and D.C. Purohit. Genetic diversity in Swiss and House mice as assessed by microsatellite-PCR techniques. The 15<sup>th</sup> ADNAT Convention, a three day symposium on Genomics and Biodiversity held on 23-25 February 2011 at CCMB, Hyderabad.
- 7) Mahadeo Kumar, Abhinav Pathak and D C Purohit. Microsatellite genotyping for genetic quality testing of Balb/c mice. National Symposium on New Paradigm in Laboratory Animal Science in an Era of Advanced Biomedical Research held on 28-29 January 2011 at Indian Veterinary Research Institute, Izatnagar, Bareilly.
- 8) Pankaj R Jagdale, Sharad Kumar, Pradeep K. Singh, Mahadeo Kumar, Bhushan P. Chaudhari. Steps in implementation of good laboratory practices. XXXI Annual Conference of Society of Toxicology (STOX), India & Symposium on current trends in environmental Toxicology held on 22-24 December, 2011 at IIS University, Kashipra Path Campus, Mansarovar, Jaipur.
- 9) D C Purohit, Mahadeo Kumar. Toxicological study involving animal model systems. *National symposium on Animal Remodeling: From Laboratory to Clinic* held on October 3, 2009 at Postgraduate Institute of Medical Education and Research, Chandigarh. Department of Experimental Medicine & Biotechnology.
- 10) Sharad Kumar, Mahadeo Kumar and Abhay Raj. Evaluation of genetic analysis of *Escherichia coli* isolated from two different environmental sources: sewage water verses soiled bedding materials of laboratory rodents. EPPCRR, 2012 at CSIR-IITR, Lucknow.