

Biodata

Dr. Prem Sagar Maurya

B.V.Sc. & A.H. (Mumbai). M.V.Sc. & Ph. D (IVRI)

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Title of M.V.Sc. Thesis- Cloning of 18S rRNA and GP-60 gene, we have **first time identified zoonotic C. parvum strain Hda15G1R1 from animals in India.**

Title of Ph.D. Thesis- Molecular diagnosis of *Cryptosporidium parvum* infection in calves.

1. Development & Standardization of ELISA using **Cp41 Oocyst wall protein** for sero-prevalence of *C. parvum* in ruminants
2. Development & Standardization of ELISA using **P32 merozoite protein** for sero-prevalence of *C. parvum* in ruminants
3. Real time PCR (Taq-man Probe) for the quantification of load of *C. parvum* in calves
4. Development & Standardization of **LAMP Assay** for sensitive detection of *Cryptosporidium parvum* oocyst in diarrhoeic faecal samples in calves

Student Guided: 01 (as co- advisor, M.Sc. Animal Husbandry)

Fellowships /Awards-

1. Topper in Ph.D entrance conducted By Indian Veterinary Research Institute in the year 2011 (SRF).
1. Awarded Indian council of agricultural research NET in the year 2012.
2. Indian Council of Agricultural Research- Junior Research Fellowship (ICAR-JRF) during M.V.Sc. programme after competing at National level.
3. Awarded certificate of National Service Scheme certificate
4. Awarded certificate of Amateur Riders Club
5. Young Scientist award in 2017
6. Got **young teacher award** on occasion of national conference on doubling farmer's income for sustainable and harmonious agriculture, 9-10th Sept. 2017, Telangana.

Professional membership:

- Registered member of Veterinary Council of U.P.
- Registered member of Veterinary Council of India.
- Life member of Indian Association for Advancement of Veterinary Parasitology.
- Indian Poultry Science Association.
- Indian Association for the Advancement of Veterinary Research (IAAVR).
- Society for the Immunology and Immunopathology.

Chapter in standard books with ISBN- (04)

List of best publications

A. Research Papers

Author	Year	Title	Journal with Vol., Nos. Page(s)	Thomson Reuters (If any)
Praveen, K., Bansal, G.C., Vikram, K., Zahid, A.K., Saravanan, B.C., Tewari, A.K.,	2012	Cloning and molecular characterization of microneme protein-3 (MIC3) gene of	<i>Journal of Veterinary Parasitology</i> , 26(1) : 31-34	National

Maurya, P.S. & Sankar, M.		Izatnagar and Chennai isolates of <i>Toxoplasma gondii</i>		
Kundu, K., Saroj, K., Maurya, P.S. , Mandal, M., Ram, H., Garg, R., Pawde, A.M., Raina, O.K. & Banerjee, P.S.	2012	PCR based identification of <i>Babesia canis vogeli</i> in clinically affected dogs	<i>Journal of Veterinary Parasitology</i> , 26(2) : 167-169	National
Maurya, P. S. , Rakesh, R. L., Pradeep, B., Kumar, S., Kundu, K., Garg, R., Ram, H., Kumar, A. & Banerjee, P.S	2013	Prevalence and risk factors associated with <i>Cryptosporidium</i> spp. infection in young domestic livestock in India	<i>Tropical Animal Health and Production</i> , 45:941–946.	International (Thomson Reuters)
Maurya, P. S. , Kumar, S., Rakesh, R. L., Kundu, K., Garg, R., Ram, H., Kumar, A. & Banerjee, P. S	2013	Genotyping of <i>Cryptosporidium</i> species reveals prevalence of zoonotic <i>C. parvum</i> subtype in bovine calves of north India	<i>Indian Journal of Animal Sciences</i> , 83 (10): 1018–1023	National
Khobra, V., Gupta, S.C., Gopal, G.R., Narayanan, K., Prasad, A., Praveen K., Saravanan, B.C., . Sharma, A.K., Rajesh, V., Maurya P.S. & Sankar M.	2013	Major Histocompatibility class II DRB3 exon 2 polymorphism and resistance to gastrointestinal nematodes in Jamunapari goats	<i>Journal of Veterinary Parasitology</i> , 26(2) 2012 : 108-111	National
Mahajan, S. Kumar, A and Maurya, P. S.	2013	Therapeutic Management of <i>Psoroptes natalensis</i> infestation in a Buffalo	<i>Intas Polivet.</i> , 14: 2: 317.	National
Maurya, P. K., Aggarwal, A., Chaudhari, B.K., Panday, A. K. & Maurya, P. S.	2013	Effect of α -tocopherol acetate and zinc supplementation on immunity and reproductive health of karan fries cows during dry period and early lactation	<i>Veterinary Practitioner.</i> , 14: 1 : 2013	National
Madhu, D. N., Sudhakar, N. R., Maurya, P. S. , Manjunathachar, H. V., Sahu, S & Pawde, A. M.	2014	Nasal Oestrosis in a Jamunapari goat	<i>Journal of parasitic diseases</i> , 38:4: 396–398	National
Madhu, D. N., Mahan, T., Sudhakar, N. R., Maurya, P. S. , Banerjee, P. S., Sahu, S. and Pawde, A. M.	2014	<i>Coenurus gaigeri</i> cyst in the thigh of a goat and its successful management	<i>Journal of Parasitic Diseases</i> , 38: 3: 286–288	National
Sahu, S., Samanta, S., Sudhakar, N. R., Raina, O. K., Gupta S. C. Maurya, P. S. , Pawde, A. M. & Kumar. A.	2014	Prevalence of canine toxocariasis in Bareilly, Uttar Pradesh, India	<i>Journal of Parasitic Diseases</i> , 38: 1:111–115.	National
Rakesh, R. L., Banerjee, P. S., Rajat Garg, Maurya, P. S. , Kundu, K., Jacob, S. S and Raina, O. K.	2014	Genotyping of <i>Cryptosporidium</i> spp. isolated from young domestic ruminants in some targeted areas of India	<i>Indian Journal of Animal Sciences</i> 84 (8): 819–823	National

Kumar,S., Garg,R., Ram, H., Maurya, P. S. , Banerjee, P. S	2015	Gastrointestinal parasitic infections in chickens of upper gangetic plains of India with special reference to poultry coccidiosis	<i>Journal of Parasitic Diseases</i> , 39:1: 22–26.	National
Kundu, K., Bannerjee,P.S., Garg, R., Kumar,S., Mandal, M., Maurya, P.S. , Tomley., F and Blake., D.	2015	Cloning and sequencing of beta-tubulin and internal transcribed spacer-2 of <i>Eimeria tenella</i> isolate from India.	<i>J. Parasit. Dis.</i> 39(3): 539-544.	National
Maurya, P. S. , Shivani Sahu., Sudhakar, N. R., Vikas Jaiswal., Prashant, D. G., Shriya Rawat and Harshit Verma	2016	Cryptosporidiosis in a buffalo calf at Meerut, Uttar Pradesh and its successful therapeutic management	<i>Journal of Parasitic Diseases</i> 40 (4):1583–1585	National
Jaiswal,V., Joshi, A., Maurya, P.S. , and Verma, H.	2016.	Genotoxic effect of cadmium and lead wistar rat.	<i>Indian J.Vet. Med.</i> 36(1): 26-28	National
Verma, H., Singh, R., Rawat, S., Jaiswal,V., Maurya, P.S. and Yadav, D.K.	2017	Identification and in-vitro antibiogram of bacterial pathogens from bovine mastitis in and around Meerut,India	<i>Res.EnvIRON.Life Sci.</i> 10 (6): 538-540.	National

B. Review Articles

Rakesh, R.L., Maurya, P.S. , Sudhakar, N.R., Bauri, R.K., Kumar, D. and Kumar, V.	2012	Parasitic Helminths and their products as novel therapeutic agents: An immunological prospective.	<i>J. Interacad.</i> 16 (4): 986-994	National
Kumar, V., Dandapat,S., Maurya, P.S. , Vandre, R., Amit, R., Islam, M.M.,	2012	Particulate vaccine delivery system	<i>J. Interacad.</i> 16 (4): 995-2000.	National
Kumar, N., Maurya, P.S. , Solanki, J.B. and Mishra, A. K.	2016	Immunoprophylactic control strategy for tropical fasciolosis.	<i>Journal of Vaccine and Immunology.</i> 2 (1):036–040	National

C. Popular articles: Two (4) - Pashudhan

1. Vaccine in India for livestock animals
2. Salmonellosis in poultry
3. Neosporiosis
4. Aspergillosis

D. Souvenir cum abstracts – Twenty (41)

E. Gene Bank Submission- 52

F. External examiner- 09

G. Teaching experience – Four years.

H. Set Question Papers for Various AU, SAU and Deemed University.