

Bio-data

Name	Dr. Hari Mohan	
Date of Birth	12-12-1984	
Designation	Associate Professor	
Nature of appointment	Regular	
Faculty	Faculty of Life Sciences	
Department/Centre/Institute	Centre for Medical Biotechnology	
Date of Joining in the University	28-09-2010	
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1. Educational Qualifications (10th and onwards)

S. No.	Degree/ Certificate	Board / University	Passing year
1	Matric	Board of school education, Haryana	1999
2	10+2	Board of school education , Haryana	2001
3	B.V.Sc.&A.H.	College of Veterinary Sciences, CCSHAU, Hisar	2007
4	M.V.Sc	College of Veterinary Sciences, CCSHAU, Hisar	2009
5	Ph.D	Maharshi Dayanand University, Rohtak, Haryana	2015

2. Teaching/Research experience

S. No.	Post	Name of Institution	Period	
			From	To
1.	Assistant Professor	Centre for Medical Biotechnology, Maharshi Dayanand University, Rohtak	28-09-2010	18-05-2023
2.	Associate Professor	Centre for Medical Biotechnology, Maharshi Dayanand University, Rohtak	19-05-2023	Till date

3. Details of Research Achievements

h-index (Google/SCOPUS)	15
Google Scholar link	Hari Mohan - Google Scholar
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LinkedIn ID (if any)	www.linkedin.com/in/hari-mohan-cmbt-286685402
Scopus ID	57216352672
Any other	

Research Publications

1. Saini, T., Kumar, D., Sindhu, S., Narang, J., & Mohan, H. (2026). Phytochemical profiling, antiviral activities, molecular docking, and dynamic simulation of potential Indian medicinal plants against NDV. *Letters in Drug Design & Discovery*, 100255. <https://doi.org/10.1016/j.lidd.2025.100255>
2. Sindhu, S., Saini, T., Kumar, D., Ahmad, S., & Mohan, H. (2026). Molecular and phytochemical evaluation of *Morella serrata* (Lam.) Killick (Myricaceae) for bovine mastitis: Antibacterial, biofilm disruption, GC-MS profiling and computational insights. *Letters in Drug Design & Discovery*, 100241. <https://doi.org/10.1016/j.lidd.2025.100241>
3. Deka, G., Arora, A., Bhat, P., Singh, V., Mohan, H., Kumaran, S. S., & Mukherjee, C. (2025). Liver-Directing Fe(III)-Based MRI Contrast Agent. *Small*, 21(39). <https://doi.org/10.1002/smll.202411465>
4. Sindhu, S., Saini, T., Kumar, D., Ahmad, S., & Mohan, H. (2025). Phytotherapeutic insights into *Ageratum conyzoides* for bovine mastitis: Antibacterial, anti-biofilm, and computational approaches. *Computers in Biology and Medicine*, 199, 111317. <https://doi.org/10.1016/j.combiomed.2025.111317>
5. Pooja Chugh, Subodh Soni, Nisha Ghanghas, Sachin Kumar, Hari Mohan, Comprehensive insights into Japanese encephalitis virus: From molecular characterization to advanced detection and vaccine strategies, *Antiviral Research*, Volume 243, 2025, 106268, ISSN 0166-3542,
6. Manjeet Chahar, Sharma, K. K., & Mohan, H. (2025). Draft genome sequence of pathogen *Pasteurella multocida* isolated from rabbits having pneumonia in India. *Microbiology Resource Announcements*. <https://doi.org/10.1128/mra.00614-2>
7. Soni, S., Priyanka, Chugh, P., Ghanghas, N., Chahar, M., Kumar, S., Gupta, M. K., & Mohan, H. (2025). Unravelling *Pasteurella multocida* Toxin (PMT): Structural insights, antibiotic assessment, and identification of potential inhibitors. *Computational Biology and Chemistry*, 119, 108567. <https://doi.org/10.1016/j.compbiolchem.2025.108567>
8. Manjeet Chahar, Hasan, M. R., Khan, S., Ubaid Mushtaq Naikoo, Sharma, K. K., Narang, J., & Mohan, H. (2025). Electrochemical paper-based immunosensor engineered with zinc oxide-nanoflower structures for the detection of field isolated *Pasteurella multocida*. *Biomedical Microdevices*, 27(3). <https://doi.org/10.1007/s10544-025-00764-z>
9. Mallik, R., Saha, M., Ghosh, B., Chauhan, N., Mohan, H., Kumaran, S. S., & Mukherjee, C. (2024). Folate Receptor Targeting Mn(II) Complex Encapsulated Porous Silica Nanoparticle as an MRI Contrast Agent for Early-State Detection of Cancer. *Small*. <https://doi.org/10.1002/smll.202401787>
10. Manjeet Chahar, Sharma, P., Mustafa, M. D., Ravina, N., Narang, J., & Mohan, H. (2024). Enhanced ePAD-DNA biosensor incorporating ZnO-NRs: Rapid and reliable electrochemical detection of field-isolated *Pasteurella multocida*. *International Journal of Biological Macromolecules*, 282, 137356–137356. <https://doi.org/10.1016/j.ijbiomac.2024.137356>
11. Neelam Yadav, Jagriti Narang, Jogender Singh Rana, Anil Kumar Chhillar, Hari Mohan, Development of an ultrasensitive electrochemical aptasensor based on aptamer/rGO/SPGE for the detection of Botulinum neurotoxin A (BoTN/A) in food samples, *Microchemical Journal*, Volume 207, 2024, 111916, ISSN 0026-265X, <https://doi.org/10.1016/j.microc.2024.111916>. (Impact factor – 4.9)
12. Sindhu S, Saini T, Rawat HK, Chahar M, Grover A, Ahmad S, Hari Mohan. Beyond conventional antibiotics approaches: Global perspectives on alternative therapeutics including herbal prevention, and proactive management strategies in bovine mastitis. *Microb Pathog.* 2024;196:106989. doi:10.1016/j.micpath.2024.106989 (Impact factor – 3.3).

13. Kamal Shokeen; Malay Kumar Baroi; Manjeet Chahar; Debapratim Das; Harimohan Saini; Sachin Kumar, Arginyltransferase 1 (ATE1)-mediated proteasomal degradation of viral haemagglutinin protein: A unique host defense mechanism. 2024. *Journal of General Virology* (Impact factor – 3.6)
14. Yadav A, Shinde PB, Mohan H, et al. Gut colonization with antibiotic resistance *Escherichia coli* pathobionts leads to disease severity in ulcerative colitis. *Int J Antimicrob Agents*. Published online July 29, 2024. doi:10.1016/j.ijantimicag.2024.107289 (Impact factor – 4.9)
15. Ahlawat S, Mohan H, Sharma KK. Proteome profiling, biochemical and histological analysis of diclofenac-induced liver toxicity in *Yersinia enterocolitica* and *Lactobacillus fermentum* fed rat model: a comparative analysis. *Biotechnol Lett*. 2024 Jul 10. doi: 10.1007/s10529-024-03510-2. Epub ahead of print. PMID: 38985258. (Impact factor – 2.0)
16. Mallik R, Saha M, Ghosh B, Chauhan N, Mohan H, Kumaran SS, Mukherjee C. Folate Receptor Targeting Mn(II) Complex Encapsulated Porous Silica Nanoparticle as an MRI Contrast Agent for Early-State Detection of Cancer. *Small*. 2024 May 20:e2401787. doi: 10.1002/smll.202401787. Epub ahead of print. PMID: 38766969. (Impact factor - 13.3)
17. Mallik R, Saha M, Sarmah A, Singh V, Mohan H, Bhat P, Kumaran SS, Mukherjee C. A Bis(Aquated) Mn(II)-Based MRI Contrast Agent with a Rigid Hydroquinazoline Unit: Synthesis, Characterization, and in Vivo MR Imaging Study. *ACS Appl Bio Mater*. 2024 Mar 1. doi: 10.1021/acsabm.3c01236. Epub ahead of print. PMID: 38427704.(Impact factor - 4.7)
18. Meena Yadav, Monika Dhanda, Rajat Arora, Geeta Singh, Hari Mohan, Suman Lata, A TiO₂-adenine nanocomposite as modification material for screen-printed gold electrode to detect H1N1 (swine flu) virus: A disposable genosensor, *Microchemical Journal*, Volume 197,2024,109831,ISSN 0026-265X, <https://doi.org/10.1016/j.microc.2024.109831>, ISSN 0026-265X, <https://doi.org/10.1016/j.microc.2023.109831> (Impact factor- 4.8).
19. Soni S, Chahar M, Priyanka, Chugh P, Sharma A, Narasimhan B, Mohan H. Identification of Aztreonam as a potential antibacterial agent against *Pasteurella multocida* sialic acid binding protein: A combined in silico and in-vitro analysis. *Microb Pathog*. 2023 Dec;185:106398. doi: 10.1016/j.micpath.2023.106398. Epub 2023 Oct 17. PMID: 37852551.
20. Yadav M, Arora R, Dhanda M, Singh G, Mohan H, Lata S. TiO₂-guanine as a new amalgamation compound for fabrication of a disposable biosensor with high sensitivity and rapid detection of H1N1 swine flu virus. *Mikrochim Acta*. 2023 Sep 23;190(10):412. doi: 10.1007/s00604-023-05984-9. PMID: 37740009. **(Impact 5.7) Print ISSN 0026-3672**, 1436-5073
21. Mallik R, Saha M, Singh V, Mohan H, Kumaran SS, Mukherjee C. Mn(II) complex impregnated porous silica nanoparticles as Zn(II)-responsive "Smart" MRI contrast agent for pancreas imaging. *J Mater Chem B*. 2023 Aug 30;11(34):8251-8261. doi: 10.1039/d3tb01289a. PMID: 37575086. **(Impact 7.0) ISSN 2050-7518**
22. Subodh, Ravina, Priyanka, Jagriti Narang, Hari Mohan, Biosensors for phytohormone Absciscic acid and its role in humans: A review, *Sensors International*, Volume 4, 2023, 100234, ISSN 2666-3511, <https://doi.org/10.1016/j.sintl.2023.100234>.
23. Twinkle Dahiya,Ravina,Avantika Mann, Hari Mohan,Minakshi Sharma,C. S. Pundir &J. S. Rana, Impedimetric immunosensor based on chitosan-modified gold wire with Au@rGO nanocomposite for the detection of brain natriuretic peptide (BNP). *J Mater Sci* **58**, 4739–4752 (2023). <https://doi.org/10.1007/s10853-023-08311-y> **(Impact 4.682)**
24. Pradakshina Sharma, Homa Hassan, Mohd. Rahil Hasan, Tarab Fatima, Hari Mohan, ManikaKhanuja, Samander Kaushik, Jagriti Narang, PBIS-based system integrated with zinc–silver nanocomposite for the detection of Chikungunya virus, *Biosensors and Bioelectronics: X*, Volume 13, 2023, 100303, ISSN 2590-1370, <https://doi.org/10.1016/j.biosx.2022.100303>. **(Impact 10.61)**
25. Vandna, Ahlawat S, Sharma KK, Mohan H. Proteomic, biochemical, histopathological, and elevated plus maze analysis reveals the gut damaging role of ketoprofen with *Yersinia enterocolitica* and altered behavior in Wistar rats. *Toxicol Appl Pharmacol*. 2022 Nov 11;457:116315. doi: 10.1016/j.taap.2022.116315. Epub ahead of print. PMID: 36372189. **(Impact 4.46)**

26. Gupta A, Gawandi S, Vandna, Yadav I, Mohan H, Desai VG, Kumar S. Analysis of fluoro based pyrazole analogues as a potential therapeutics candidate against Japanese encephalitis virus infection. *Virus Res.* 2022 Oct 3;323:198955. doi: 10.1016/j.virusres.2022.198955. Epub ahead of print. PMID: 36202293. **(Impact Factor 6.286)**
27. Ravina, Kumar A, Manjeet, Twinkle, Subodh, Narang J, Mohan H. Analytical performances of different diagnostic methods for SARS-CoV-2 virus - A review. *Sens Int.* 2022;3:100197. doi: 10.1016/j.sintl.2022.100197. Epub 2022 Jul 30. PMID: 35935464; PMCID: PMC9338831.
28. Ravina, Paramjeet Singh Gill, Ashok Kumar, Jagriti Narang, Minakshi Prasad, Hari Mohan, Molecular detection of H1N1 virus by conventional reverse transcription PCR coupled with nested PCR, *Sensors International*, Volume 3, 2022, 100178, ISSN 2666-3511, <https://doi.org/10.1016/j.sintl.2022.100178>.
29. Ravina, Gill PS, Narang J, Kumar A, Mohan H. Development of amperometric biosensor based on cloned hemagglutinin gene of H1N1 (swine flu) virus. *3 Biotech.* 2022 Jun;12(6):141. doi: 10.1007/s13205-022-03200-8. Epub 2022 Jun 1. PMID: 35664651; PMCID: PMC9156826. **(Impact Factor 2.893)**.
30. Singh V, Ahlawat S, Mohan H, Gill SS, Sharma KK. Balancing reactive oxygen species generation by rebooting gut microbiota. *J Appl Microbiol.* 2022 Jun;132(6):4112-4129. doi: 10.1111/jam.15504. Epub 2022 Mar 6. PMID: 35199405. **(Impact 4.061)**
31. Amit Kumar a, Shruti Ahlawat a, HariMohan, Krishna Kant Sharma, Stabilization–destabilization and redox properties of laccases from medicinal mushroom *Ganoderma lucidum* and human pathogen *Yersinia enterocolitica* *International Journal of Biological Macromolecules* 167 (2021) 369–381 <https://doi.org/10.1016/j.ijbiomac.2020.11.169> **(Impact factor: 8.025)**
32. Ahlawat S, Kumar P, Mohan H, Goyal S, Sharma KK. Inflammatory bowel disease: tri-directional relationship between microbiota, immune system and intestinal epithelium. *Crit Rev Microbiol.* 2021 Mar;47(2):254-273. doi: 10.1080/1040841X.2021.1876631. Epub 2021 Feb 12. PMID: 33576711. **(Impact factor: 7.349)**
33. Kumar Deepak ,Laller Kuldip Singh, Kumar Ashwani , Singh Dharmpal, TaxakSusheela, Rathi Raveena and Hari Mohan (2021) Associations of ApoE gene polymorphism with Coronary Artery Disease in patients from North Indian State Haryana. *Research Journal of Biotechnology* Vol. 16 (3) 186-193.
34. Ravina, Manjeet, Mohan H, Narang J, Pundir S, Pundir CS. A changing trend in diagnostic methods of Influenza A (H3N2) virus in human: a review. *3 Biotech.* 2021 Feb;11(2):87. doi: 10.1007/s13205-021-02642-w. Epub 2021 Jan 20. PMID: 33495723; PMCID: PMC7816835. **(Impact Factor 2.893)**
35. Mohan Hari^{1*}, Ravina¹, Maini Enakshi¹, Kumar Deepak² and Chaudhary Kamla: 2021 Biosynthesis and characterization of silver nanoparticles by *Pseudomonas pseudoalcaligenes*, *Research Journal of Biotechnology* Vol. 16 (4) 2021.
36. Khatri R, Mohan H, Brar B, Prasad M, Pundir CS. A Novel Amperometric Genosensor for Rapid Detection of Canine Parvovirus in Feces. *J Nanosci Nanotechnol.* 2021 Jun 1;21(6):3524-3530. doi: 10.1166/jnn.2021.18998. PMID: 34739803.
37. Ahlawat S, Shankar A, Vandna, Mohan H, Sharma KK. *Yersinia enterocolitica* and *Lactobacillus fermentum* induces differential cellular and behavioral responses during diclofenac biotransformation in rat gut. *Toxicol Appl Pharmacol.* 2021 Nov 15;431:115741. doi: 10.1016/j.taap.2021.115741. Epub 2021 Oct 5. PMID: 34619158. **(Impact 4.46)**
38. Yadav N, Dahiya T, Chhillar AK, Rana JS, Saini HM. Nanotechnology in Cancer Diagnostics and Therapeutics: A Review. *Curr Pharm Biotechnol.* 2022;23(13):1556-1568. doi: 10.2174/1389201023666211222165508. PMID: 34951360. **(Impact 2.829)**
39. Deepak Kumar¹ , Jayanta Borkakoti² , Hari Mohan³ , Rahul Karna² , Premashis Kar² Seroprevalence of Hepatitis C Virus in Liver Disease Patients and Blood Donors from Northern India *Tropical Gastroenterology* 2021;42(1):20-27
40. R Ravina, Dalal A, Mohan H, Prasad M, Pundir CS. Detection methods for influenza A H1N1 virus with special reference to biosensors: a review. *Biosci Rep.* 2020 Feb 28;40(2):BSR20193852. doi: 10.1042/BSR20193852. PMID: 32016385; PMCID: PMC7000365. **(Impact factor: 3.976)**
41. Barnali Nath, Vandna, Hari Mohan Saini, Minakshi Prasad, Sachin Kumar. 2020. Evaluation of Japanese encephalitis virus E and NS1 proteins immunogenicity using a recombinant Newcastle disease virus in mice. *Volume 38, Issue 7*, 1860-1868 *Vaccine* <https://doi.org/10.1016/j.vaccine.2019.11.088> **(Impact factor: 4.169)**
42. Antony F, Vashi Y, Morla S, Vandna, Mohan H, Kumar S. Therapeutic potential of Nitazoxanide against Newcastle disease virus: A possible modulation of host cytokines. *Cytokine.* 2020 Jul;131:155115. doi: 10.1016/j.cyto.2020.155115. Epub 2020 May 3. PMID: 32403005; PMCID: PMC7196422. **(Impact factor: 3.926)**

43. Minakshi P, Mohan H, Manjeet, Ravina, Brar B, Shafiq M, Pundir CS. Organic Polymer and Metal Nano-particle Based Composites for Improvement of the Analytical Performance of Electrochemical Biosensors. *Curr Top Med Chem.* 2020;20(11):1029-1041. doi: 10.2174/1568026620666200309092957. PMID: 32148195. **(Impact factor: 3.570)**
44. Deepak Kumar, Kuldip Singh Laller, Dharmpal Singh, SusheelaTaxak, Vandna Singh and Hari Mohan. MTHFR polymorphism in patients of coronary artery disease from Haryana: Does A1298C polymorphism associate with disease? *International Journal of Scientific Research*, 2020; 9 (1), 55-57.
45. Ravina^a, Anita Dalal^b, Paramjeet Singh Gill^c, Jagriti Narang^d, Hari Mohan^a. 2020. Genosensor for rapid, sensitive, specific point-of-care detection of H1N1 influenza (swine flu), *Process Biochemistry*, Volume 98, 2020, Pages 262-268 <https://doi.org/10.1016/j.procbio.2020.09.016> **(Impact factor: 4.885)**
46. Deepak Kumar, Kuldip Singh Laller, Dharmpal Singh, SusheelaTaxak, Vandna Singh, Hari Mohan, Association of methylenetetrahydrofolate reductase C677T polymorphism with coronary artery disease in patients from North Indian state Haryana *BIOMEDICINE*-40(2)-2020 published 2020-11-11
47. Ravina, Hari Mohan, Paramjeet Singh Gill, Ashok Kumar. Hemagglutinin gene based biosensor for early detection of swine flu (H1N1) infection in human. *Int J Biol Macromol.* 2019; 130:720-726 Feb 26. pii: S0141-8130(18)35071-2. doi: 10.1016/j.ijbiomac.2019.02.149. [Epub ahead of print] **(Impact factor: 8.025)**
48. Poonam, Khatri R, Mohan H, Minakshi, Pundir CS (2017) Etiology, Epidemiology, Pathogenesis and Diagnosis of Marek's Disease in Chickens: A Mini review. *J Vet Sci Med Diagn* 6:4. doi: 10.4172/2325-9590.1000238
49. Rahul Khatri , Poonam , Hari Mohan , Minakshi and Pundir CS. 2017. Epidemiology, Pathogenesis, Diagnosis and Treatment of Canine Parvovirus Disease in Dogs: A Mini Review *Journal of Veterinary Science & Medical Diagnosis*. 6:3
50. Ishwar Dutta Sharma, Jyoti Dabas, Rahul Khatri and **Hari Mohan**. 2016. Electropherotypes and g-types of group A rotaviruses detected in children of Age <5 years with gastroenteritis in Haryana, *International Journal of Current Research* 8, Issue, 11, pp.41748-41751, November, 2016
51. Minakshi P,*, Basanti Brar, Sunderisen K, Jiju V Thomas , Savi J, Ikbali, Koushlesh Ranjan, Upendera Lambe, Madhusudan Guray, Nitish Bansal, Pawan Kumar, Vinay G Joshi, Rahul Khatri, **Hari Mohan**, C S Pundir, Sandip Kumar Khurana and Gaya Prasad. 2016. Canine Parvovirus – An insight into diagnostic aspect. *Journal Of Experimental Biology And Agricultural Sciences* 14(3S): 279-290. [10.18006/2016.4\(3S\).279.290](https://doi.org/10.18006/2016.4(3S).279.290)
52. **Hari Mohan**, Subhash Kharb. 2015. Rabies- Still a challenge in developing world. *Journal of Innovative Biology* Vol. 2, Issue 3, P. 239-244
53. **Hari Mohan**, Ray, P. and Gakhar, S.K. 2014. Genotypic Linkages Of Vp6 Gene Of Human Rotavirus Isolates Circulating In Pediatric Patients With Acute Gastroenteritis In Haryana And Comparison Of Antigenic Epitopes With Vaccine Strains. *Int. J. Curr. Res.* **6(10)**: 9129-9134.
54. **Hari Mohan** and Kharb, S. 2014. Human brucellosis: A silent but dreadful disease. *J Innov. Biol.* 1(3):163-167
55. Yadav, A.K., **Hari Mohan** and S. Khobrai. 2013. Screening And Identification Of Human Rotavirus By Elisa And RNA-PAGE Method. *International Journal of Current Research*. 5(5): 1262-1265.
56. Guriyan, D., Paliwal, N., **Hari Mohan** and K. Chaudhary. 2013. Ethanol production by xylose fermenting yeast cultures using a mixture of dextrose and xylose. *Research and Reviews: A Journal of Biotechnology*. 3(1):10-13.
57. Guriyan, D. and **Hari Mohan**. 2013. Mesenchymal stem cells: isolation, identification and therapeutic potential for acute respiratory distress syndrome (ARDS) and Liver Diseases. *Research & Reviews: A Journal of Biotechnology*. 1 (3): 14-23.
58. **Hari Mohan**, Minakshi, Kumar, P. and G. Prasad. 2012. Detection of group B Rotavirus in buffalo calves in Haryana state of Northern India. *The Indian Journal of Field Veterinarians*. 7(3):71-74. Renamed to The Indian Journal of Veterinary Sciences and Biotechnology
59. Guriyan, D. and **Hari Mohan**. 2012. Hematopoietic Stem Cells: Sources and Therapeutic Potential for Autoimmune Diseases and Cancer. *Research & Reviews: Journal of Oncology and Haematology*. 1 (3): 6-14.
60. Paliwal, N., Guriyan, D., **Hari Mohan**, Gakhar, S.K. and K. Chaudhary. 2012. Production of Ethanol from Rice Straw using Xylose Fermenting Yeast Isolates. *Research and Reviews: A Journal of Biotechnology*. 2 (3): 12-19.

61. Minakshi, P, Prasad, G., Nanda, T., Swati Dahiya, Ranjan, K., Kumar, A. and **Hari Mohan**. 2011. Single tube method for rapid detection of BHV-1 in buffalo bull semen. *International Journal of Applied Engineering Research*. 6(5): 879-883.

Book Chapters

1. Prasad Minakshi, Mayukh Ghosh, Rajesh Kumar, Harshad Sudhir Patki, Hari Mohan Saini, Koushlesh Ranjan, Basanti Brar. 2019. Single cell metabolomics: Technology and Applications. Single-cell Omics Volume 1: Technological Advances and Applications; 283-318. **Editors:** Debmalya Barh Vasco Azevedo. Elsevier Publications
2. Prasad Minakshi, Rajesh Kumar, Mayukh Ghosh, Hari Mohan Saini, Koushlesh Ranjan, Basanti Brar, Gaya Prasad. 2019. Single-Cell Proteomics: Technology and Applications. Single cell metabolomics: Technology and Applications. Single-cell Omics Volume 1: Technological Advances and Applications; 319-354. **Editors:** Debmalya Barh Vasco Azevedo. Elsevier Publications
3. Mohan H, Ravina, DalalA, Prasad M, Biosensor fabrication with nanomaterials, Handbook of Nanomaterials for Sensing Applications, 2020, **Editors:** Chaudhery Hussain Suresh Kailasa **Paperback ISBN:** 9780128207833 **eBook ISBN:** 9780128208847 (Elsevier Press)
4. Minakshi Prasad, Mayukh Ghosh, Suman, Harshad Sudhir Patki, Sandeep Kumar, Basanti Brar, Neelesh Sindhu, Parveen Goel, Samander Kaushik, Hari Mohan, Shafiq Syed and Rajesh Kumar, 2021. **Imaging Techniques in Veterinary Disease Diagnosis. 103-146. Advances in Animal Disease Diagnosis (CRC press Taylor and Francis group)**
5. Mohan, H., Vandna, Soni, S., Syed, S. (2022). Targeting Reactive Oxygen Species (ROS) for Cancer Therapy. In: Chakraborti, S. (eds) Handbook of Oxidative Stress in Cancer: Therapeutic Aspects. Springer, Singapore. https://doi.org/10.1007/978-981-16-1247-3_273-1 Print ISBN978-981-16-1247-3 Online ISBN978-981-16-1247-3
6. Ravina, Deepak Kumar, Minakshi Prasad, and Hari Mohan. 2022. Biological recognition elements in the book 'Electrochemical Sensors: From Working Electrodes to Functionalization and Miniaturized Devices' Woodhead Publishing Series in Electronic and Optical Materials; 213-240
7. Minakshi Prasad, B. Brar, UP Lambe, Hari Mohan, 2018, 'Nano based methods for detection of outer membrane proteins in bacteria' in 10 day training program Sept 18-Sept 27 2018 (<https://www.researchgate.net/publication/328118186>)
8. Ravina, Subodh, Sharma, K.K., Mohan, H. (2023). Detection Methods for H1N1 Virus. In: Aquino de Muro, M. (eds) Virus-Host Interactions. Methods in Molecular Biology, vol 2610. Humana, New York, NY. https://doi.org/10.1007/978-1-0716-2895-9_10 **Virus-Host Interactions: Methods and Protocols | SpringerLink**
9. Pooja Chugh, Subodh Soni, Minakshi Prasad, Sachin Kumar, Hari Mohan, Chapter 13 - Development of a bioprocess for rotavirus vaccine, Editor(s): Surajbhan Sevdha, Sachin Kumar, In Progress in Biochemistry and Biotechnology, Bioreactor Design Concepts for Viral Vaccine Production, Academic Press, 2024, Pages 233-255, ISBN 9780443153785, <https://doi.org/10.1016/B978-0-443-15378-5.00013-9>. (<https://www.sciencedirect.com/science/article/pii/B9780443153785000139>)
10. Nidhi, Kumar, S., Yadav, N., Kumar, R., Mohan, H. (2024). Nanosensors in Veterinary Disease Detection. In: Prasad, M., Kumar, R., Ghosh, M., Syed, S.M., Chakravarti, S. (eds) Nanotechnology Theranostics in Livestock Diseases and Management. Livestock Diseases and Management. Springer, Singapore. https://doi.org/10.1007/978-981-16-1610-5_10
11. Soni, S., Chugh, P., Sharma, K.K., Mohan, H. (2024). Overview of Nanovaccines and Nanoadjuvants. In: Prasad, M., Kumar, R., Ghosh, M., Syed, S.M., Chakravarti, S. (eds) Nanotechnology Theranostics in Livestock Diseases and Management. Livestock Diseases and Management. Springer, Singapore. https://doi.org/10.1007/978-981-16-1610-5_12
12. Rawat, H.K., Saini, T., Soni, S., Prasad, M., Mohan, H. (2024). Nanotechnology in Preventive Management of Miscellaneous Livestock Diseases. In: Prasad, M., Kumar, R., Ghosh, M., Syed, S.M., Chakravarti, S. (eds) Nanotechnology Theranostics in Livestock Diseases and Management. Livestock Diseases and Management. Springer, Singapore. https://doi.org/10.1007/978-981-16-1610-5_15
13. Ravina, Soni, S., Chahar, M., Prasad, M., Mohan, H. (2024). Nanointerventions for the Detection of Fungal Livestock Diseases. In: Prasad, M., Kumar, R., Ghosh, M., Syed, S.M., Chakravarti, S. (eds) Nanotechnology Theranostics in Livestock Diseases and Management. Livestock Diseases and Management. Springer, Singapore. https://doi.org/10.1007/978-981-16-1610-5_7

14. Sushil Kumar, Nidhi, Soni, S., Sharma, K.K., Kumar, R., Mohan, H. (2024). Nanosensors: Types and Customisation. In: Prasad, M., Kumar, R., Ghosh, M., Syed, S.M., Chakravarti, S. (eds) Nanotechnology Theranostics in Livestock Diseases and Management. Livestock Diseases and Management. Springer, Singapore. https://doi.org/10.1007/978-981-16-1610-5_3
15. Manjeet Chahar, Subodh Soni, Pooja Chugh, Nisha Ghanghas, Hari Mohan, Chapter 26 - Biosensors for nucleic acid detection, Editor(s): Md Saquib Hasnain, Amit Kumar Nayak, Tejraj M. Aminabhavi, Applications of Biosensors in Healthcare, Academic Press, 2025, Pages 605-628, ISBN 9780443215926,
16. Pooja Chugh, Subodh Soni, Manjeet Chahar, Nisha Ghanghas, Hari Mohan, Chapter 24 - Genosensors in healthcare, Editor(s): Md Saquib Hasnain, Amit Kumar Nayak, Tejraj M. Aminabhavi, Fundamentals of Biosensors in Healthcare, Academic Press, 2025, Pages 589-610, ISBN 9780443216589, <https://doi.org/10.1016/B978-0-443-21658-9.02004-0>.

4. Research & consultancy Projects

S. No.	Year	Details	Status
1	2013-16	Molecular surveillance and characterization of Rotaviruses associated with acute gastroenteritis in the children of Haryana	Completed
2	2012-16	Development of RT-PCR for detection of Rotavirus	Completed
3	2012-18	DBT-HRD Project for M.Sc. M Biotechnology	Completed
4	2019-22	Effect of urbanization on gut microbiome, mycobiome and virome in patients with Inflammatory Bowel Disease from Northern India	Completed
5	2021-23	Assessment of the clinical protection induced by two different vector HVT-based Newcastle Disease vaccines against genotype XIII NDV challenge'	Completed
6	2022-25	Development of Point of care sensor for detection of Hemorrhagic Septicemia in bovine	Completed

5. Research Supervision Overview

S. No.	Level	Degree Awarded	Thesis Submitted
1	Ph.D.	04	Pursuing - 4
2	P.G.	85	----
3	U.G.	---	----

6. Patents/technology developed

S. No.	Year	Particulars / Details	Published/Granted
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1	2022	Switching System Operating Automatically Based On Real Time Light Intensity In All-Weather Condition. Rajesh Kumar, Preeti Lakhani, Rupesh Kumar Sinha, Sandeep Singh Solanki, Hari Mohan Saini, Deepak Chhabra Patent application No. 202211056938	Published
2	2024	Aptamer for <i>Pasteurella multocida</i> detection. Subodh Soni, Hari Mohan, Krishna Kant Sharma, Manish Kumar Gupta, Sanjay Kumar, Rajesh Kumar, Sachin Kumar. Patent application no 202411018924 dated 15-03-2024	Published

7. Honors & Awards

- ☐ Certificate of Appreciation for R&D project by MDU, Rohtak, 2023
- ☐ Certificate of Appreciation for quality publication by MDU, Rohtak, 2023
- ☐ Certificate of Appreciation by MDU, Rohtak, 2022
- ☐ Sir F.M. Burnett Memorial Award, 2021
- ☐ DST- Young scientist award, 2013
- ☐ Dr. B.D. Behl Gold Medal .
- ☐ Dr. D.P. Banerjee Gold Medal
- ☐ Dr. P.K. Dwarkanath Gold Medal
- ☐ Merit Gold Medal.
- ☐ Certificate of Honour
- ☐ Academic Excellence Award, Xceft merit award by Alembic Pharmaceuticals for securing **First position in B. V. Sc. & A. H. batch 2007.**
- ☐ Awarded **Junior Research Fellowship** by Department of Biotechnology, Government of India, on the basis of **all India based competition for M.V.Sc (Animal Biotechnology) degree program** for getting 7th rank (2007-2009).
- ☐ CSIR-NET- JRF
- ☐ DBT-JRF
- ☐ ICAR-NET

8. Details as Resource person (Seminar / Conference / Lectures delivered etc.)

- ❖ Invited talk on 'Recent advances in biosensor technology' in the workshop conducted by Department of Animal Biotechnology, Lala Lagpat Rai University of Veterinary and Animal Sciences 2021
- ❖ Invited talk on 'Awareness program on HIV, TB and Vector Borne Diseases' on World AIDS day on 1.12.2021 by Pt. Neki Ram Sharma Government College, Rohtak, Haryana
- ❖ Guest speaker in the National Conference/CME on 'Quality Control in Clinical and Molecular Biochemistry' organized by Department of Biochemistry, Pt. B.D. Sharma PGIMS, Rohtak on 5th October 2017.
- ❖ Invited talk on 'Recent advances in biosensor technology' in the workshop conducted by Department of Animal Biotechnology, Lala Lagpat Rai University of Veterinary and Animal Sciences
- ❖ Invited talk on 'Molecular Cloning' on 4th May 2011 in the 'Short term training course on Molecular Biology' organized by Centre for Biotechnology, MDU, Rohtak
- ❖ Invited talk on 'Biosensors' on 25th February 2012 in the training course on 'Techniques in Genetic Engineering and Cell Culture' organized by Department of Animal Biotechnology, LUVAS, Hisar from 8th February to 28th February 2012.

9. Membership details of Statutory Committees of this University

- ☐ Life member of "The Association of Microbiologist of India (AMI)"
- ☐ Life member "Indian Science Congress"
- ☐ Life member "Indian Society of Veterinary Immunology and Biotechnology"
- ☐ Life member "Laboratory Animal Scientists' Association (India)"
- ☐ Life member "Indian Association of Virologist"
- ☐ Life member "Biosafety Society of India"

Dr. Hari Mohan

