



Dr. Devan Arora

Assistant Disease Investigation Officer

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Educational Qualifications

2014: Ph.D. Veterinary Public Health and Epidemiology,
LUVAS, Hisar.

2010: M.V.Sc., Veterinary Public Health, CCS HAU, Hisar.

2008: B.V.Sc. & A.H., COVS, CCS HAU, Hisar.

Employment Details

Assistant Disease Investigation Officer: 10 March, 2017 – to date.

Senior Research Fellow: 22 October, 2016 – 09 March, 2017.

Research Associate: 22 October, 2014 – 30 September, 2016.

Research Interests

Molecular Diagnostics

Membership of scientific societies

- Life member of Indian Association of Veterinary Public Health Specialists (IAVPHS).
- Life member of Indian Association of Mycoplasmologists (IAM).
- Life member of Indian Association of Veterinary Microbiologists, Immunologists and Specialists in Infectious Diseases (IAVMI).

Details of Publications

- **Arora, D.**, Singh, Y., Kumar, A. and Mehta, N. (2012). Isolation of *Yersinia enterocolitica* in pork samples by enrichment methods. *Journal of Cell and Tissue Research* **12(1)**: 3109-3112.
- **Arora, D.**, Mehta, N. and Saini, R. (2012). Epidemiological pattern and detection of *Yersinia enterocolitica* in foods of animal origin: A review. *Journal of Cell and Tissue Research* **12(1)**: 3021-3028.
- Datta, S., Rakha, N.K., Narang, G., **Arora, D.** and Mahajan, N.K. (2014). Prevalence of α , β and Netb toxin producing strains of *Clostridium perfringens* in broiler chickens in Haryana. *Haryana Vet.* **53 (1)**: 39-42.
- Mehta, N., Ahlawat, S. S., Sharma, D. P., Yadav, S. and **Arora, D.** (2013). Development and quality evaluation of chicken patties incorporated with psyllium husk. *Haryana Vet.* **52**: 6-11.

- **Arora, D.**, Kumar, S., Jindal, N., Narang, G., Kapoor, P. K. and Mahajan, N.K. (2015). Prevalence and epidemiology of *Salmonella enterica* serovar Gallinarum from poultry in some parts of Haryana, India, *Veterinary World* **8(11)**: 1300-1304.
- Gupta, R., Jindal, N., **Arora, D.**, Singh, M. and Kapoor, P. K. (2016). Detection of *Salmonella* Typhimurium, *Salmonella* Enteritidis and *Salmonella* Gallinarum from suspected cases of fowl typhoid in poultry in Haryana. *Indian Vet. J.* **93 (07)**: 44-47.
- Mehta, N., Ahlawat, S.S., Sharma, D.P., Yadav, S. and **Arora, D.** (2013). Sensory attributes of chicken meat rolls and patties incorporated with the combination levels of rice bran and psyllium husk. *Journal of Animal Research* **3(2)**: 179-185.
- Mehta, N., Ahlawat, S.S., Sharma, D.P., Yadav, S. and **Arora, D.** (2013). Organoleptic quality of chicken meat rolls and patties added with the combination levels of black gram hull and psyllium husk. *Journal of Animal Research* **3(2)**: 237-243.
- Riyasha, T., Baruaa, S., Kumara, N., Jindal, N., Beraa, B. C., Narang, G., Mahajan, N. K., **Arora, D.**, Ananda, T., Vaid, R. K., Yadav, M., Chandela, S. S., Malik, P., Tripathi, B.N. and Singh, R. K. (2016). Isolation and genetic characterization of swinepox virus from pigs in India. *Comparative Immunology, Microbiology and Infectious Diseases* **46**: 60–65.

Publications:

- Research Paper in National and International Journals: 9 + 1
- Review Papers: 1
- Authored Books: -
- Book chapters: -
- Popular Article: 40
- Abstract Published: 10
- Workshop and Conferences: 7
- Oral Presentation: -
- Poster Presentation: 1
- Chapters in e-book/ Manual/ Compendium: 09
- Educational TV/Radio talks: -

Awards/ Fellowships/Recognition received

- Merit scholarship throughout M.V.Sc given by COVS, CCS HAU, Hisar.
- Qualified NET conducted by ASRB (ICAR) in 2010-11.
- INSPIRE fellowship for Ph.D. given by DST, Ministry of Science and Technology, New Delhi.

Chapters in e-book/ Manual/ Compendium

- Swati Dahiya, **Devan Arora** and N. K. Kakker. (2015) HIGH THROUGHPUT SINGLE DILUTION LIQUID PHASE BLOCKING ELISA (sdLPBE). In: ICAR 27th CAFT Training organized by Deptt of Vety. Microbiology, LUVAS, Hisar.
- N. K. Kakker, Swati Dahiya and **Devan Arora**. (2015) RECOMBINANT 3AB3 NON STRUCTURAL PROTEIN ELISA FOR DIFFERENTIATION OF FOOT AND MOUTH DISEASE INFECTED AND VACCINATED ANIMALS. In: ICAR 27th CAFT Training organized by Deptt of Vety. Microbiology, LUVAS, Hisar.
- N. K. Kakker, **Devan Arora** and Swati Dahiya. (2015) OIE LISTED DISEASES AND THEIR DIAGNOSIS. In: ICAR 27th CAFT Training organized by Deptt of Vety. Microbiology, LUVAS, Hisar.
- Swati Dahiya, **Devan Arora** and N. K. Kakker. (2016) PRINCIPLES AND PROCEDURE OF A MICROBIOLOGY LABORATORY ACCREDITATION. In: ICAR 28th CAFT Training organized by Deptt of Vety. Microbiology, LUVAS, Hisar.
- Swati Dahiya, Anita Dalal, Renu Singh, **Devan Arora** and N. K. Kakker. (2016) TYPING OF FOOT AND MOUTH DISEASE VIRUS USING SEROLOGICAL AND MOLECULAR ASSAYS. In: ICAR 28th CAFT Training organized by Deptt of Vety. Microbiology, LUVAS, Hisar.
- N. K. Kakker, **Devan Arora**, Renu Singh and Swati Dahiya. (2016) Differentiation of FMD Infected and Vaccinated Animals by ELISA. In: ICAR 28th CAFT Training organized by Deptt of Vety. Microbiology, LUVAS, Hisar.
- Swati Dahiya, Renu Singh, **Devan Arora** and N. K. Kakker. (2016) HIGH THROUGHPUT SINGLE DILUTION LIQUID PHASE BLOCKING ELISA FOR SEROMONITORING OF FOOT AND MOUTH DISEASE. In: ICAR 28th CAFT Training organized by Deptt of Vety. Microbiology, LUVAS, Hisar.

Popular Articles in Magazines

- **Devan Arora**, Anshul Lather, Akhil Gupta and N. K. Mahajan (2015) Important viral poultry diseases and their management. (Poultry Technology).
- Manish Chahar, Anshul Lather, Akhil Kumar, **Devan Arora** and Parveen Kumar (2015) Bye-Pass Fat or Protected Fat. (Kheti Duniya).

- Davinder Singh, Akhil Kumar, Anshul Lather, **Devan Arora** and Neeraj Arora (2015) Milk borne diseases. (Livestock line).
- Akhil Kumar Gupta, Anshul Lather, Tarun Kumar, Davinder Singh, **Devan Arora** and Pankaj Kumar (2014). Probiotics And Prebiotics: Dietary Additive For Poultry. Egg broiler.
- Akhil Kumar Gupta, Anshul Lather, Vishwaradhya T.M., Neeraj Arora, Davinder Singh, **Devan Arora** and Pankaj Kumar (2014) Importance of Colostrum For Calves: Nutritional And Immunological. (Livestock Technology).
- Akhil Kumar Gupta, Davinder Singh, Anshul Lather, **Devan Arora**, Nitin Dhamu and Parveen Kumar (2014). Important viral diseases in animals and their treatment (In Hindi). Kheti Duniya.
- **Devan Arora** and Nitin Mehta (2012). Public health significance of *Yersinia enterocolitica* and measures of control. (Livestock Line)
- **Devan Arora**, Davinder Singh and P.K. Kapoor (2012). Javik Pashupalan. (Kheti Duniya).
- **Devan Arora**, Davinder Singh, N.K. Mahajan and P.K. Kapoor (2012). Bharat mein javik murgipalan: vartmaan Paripeyksh. (Kheti Duniya)
- **Devan Arora**, Neeraj Arora and Mukesh Kumar (2013). Pashuo per pryavaran prdushnn kay prbhaav. (Keshav Kheti)
- Mukesh Kumar, **Devan Arora** and Neeraj Arora (2013). Dudharu pashuo may thnella rog: Upchar aym roktham. (Keshav Kheti)
- **Devan Arora** and Nidhi Bisnoi (2015). Pashuo may Trypanosomiasis (Surra) ka rog aym niyantran. (Haryana Kheti)
- **Devan Arora** Nidhi Bisnoi and NK Mahajan (2015). Anaplasmosis (Haryana Kheti)
- **Devan Arora** Nidhi Bisnoi and NK Mahajan (2015). Pashuo may Babesiosis ka rog yh niyantran. (Haryana Kheti)
- **Devan Arora** Nidhi Bisnoi and NK Mahajan (2015). Vyagyanik vidhi say aadhunik broiler palan kaisay kray. (Haryana Kheti)

Abstract Published in National/International Conferences and Seminars

- Abstract entitled “**COMPARATIVE EVALUATION OF TWO ENRICHMENT PROCEDURES FOR ISOLATION OF YERSINIA ENTEROCOLITICA IN PORK**” was published in the International Conference of Microbial, Plant and Animal Research (ICMPAR) held at Department of Science Faculty of Arts, Science and Commerce Mody Institute of Technology and Science,

Lakshmanagarh, Sikar, Rajasthan on March 29-31, 2012.

- Abstract entitled **“PATHOLOGICAL STUDIES ON GASTROINTESTINAL TRACT DISORDERS IN SHEEP AND GOATS WITH SPECIAL REFERENCE TO THEIR ETIOLOGY”** was published in the XXIX Annual Conference Of Indian Association Of Veterinary Pathologists National Symposium on “Challenges in diagnostic pathology in domestic, pet, wild and aquatic animals” and National Seminar on “Emerging trends in diagnosis and control of poultry diseases” held at Department of Veterinary Pathology, Lala Lajpat Rai University of Veterinary and Animal Sciences on November 5-7, 2012.
- Abstract entitled **“PATHOLOGICAL STUDIES OF RABBIT’S SKIN INFESTED WITH *SARCOPTES SCABIEI* MITE”** was published in the XXIX Annual Conference Of Indian Association Of Veterinary Pathologists National Symposium on “Challenges in diagnostic pathology in domestic, pet, wild and aquatic animals” and National Seminar on “Emerging trends in diagnosis and control of poultry diseases” held at Department of Veterinary Pathology, Lala Lajpat Rai University of Veterinary and Animal Sciences on November 5-7, 2012.
- Abstract entitled **“DETECTION OF *SALMONELLA* TYPHIMURIUM, *SALMONELLA* ENTERITIDIS AND *SALMONELLA* GALLINARUM FROM SUSPECTED CASES OF FOWL TYPHOID IN POULTRY IN HARYANA”** was published in the International Symposium on One Health: Way Forward To Challenges In Food Safety And Zoonoses In 21st Century and XIth Annual Conference of Indian Association of Veterinary Public Health Specialists held at School of Public Health and Zoonoses, Guru Angad Dev Veterinary & Animal Sciences University, Ludhiana on 13 -14 December, 2012.
- Abstract entitled **“DETECTION OF *SALMONELLA* GALLINARUM, *SALMONELLA* ENTERITIDIS AND *SALMONELLA* TYPHIMURIUM FROM SUSPECTED CASES OF FOWL TYPHOID IN POULTRY IN HARYANA”** was published in the National Symposium on One Health & XII Annual Conference of IAVPHS held on February 4-5, 2014, at College of Veterinary Science, Assam Agricultural University, Khanapara, Guwahati.
- Abstract entitled **“ANTIBIOTIC RESISTANCE PROFILE OF AVIAN PATHOGENIC *E.COLI* ISOLATED FROM BROILERS OF PARTS OF HARYANA”** was published in the 31st Annual Conference of Indian Association of Veterinary Pathologists, 5th Annual Meeting of Indian College of Veterinary Pathologists National Symposium on “Impact of Climate Change on Pathobiology of Diseases of Animals, Poultry and Fish” held on 13-15 November 2014 at College of Veterinary Science & Animal Husbandry, Anand Agricultural University, Anand-388 001, Gujarat.
- Abstract entitled **“ISOLATION AND IDENTIFICATION OF *SALMONELLA* GALLINARUM, *SALMONELLA* ENTERITIDIS AND *SALMONELLA* TYPHIMURIUM FROM SUSPECTED CASES OF FOWL TYPHOID IN POULTRY IN HARYANA”** was published in the 31st Annual Conference of Indian Association of Veterinary Pathologists, 5th Annual Meeting of Indian College of Veterinary Pathologists National Symposium on “Impact of Climate Change on Pathobiology of Diseases of Animals, Poultry and Fish” held on 13-15 November 2014 at College of Veterinary Science & Animal Husbandry, Anand Agricultural University, Anand-388 001, Gujarat.
- Abstract entitled **“STUDIES ON AGE, SEX AND SYSTEM WISE MORTALITY PATTERN IN CATTLE/CALVES”** was published in the 31st Annual Conference of Indian Association of Veterinary Pathologists, 5th Annual Meeting of Indian College of Veterinary Pathologists National Symposium on “Impact of Climate Change on Pathobiology of Diseases of Animals, Poultry and Fish” held on 13-15 November 2014 at College of Veterinary Science & Animal Husbandry, Anand Agricultural University, Anand-388 001, Gujarat.

- Abstract entitled “**ISOLATION AND CHARACTERIZATION OF AVIAN PATHOGENIC E.COLI FROM PARTS OF HARYANA WITH SPECIAL REFERENCE TO THEIR ZONOTIC SIGNIFICANCE**” was published in the 31st Annual Conference of Indian Association of Veterinary Pathologists, 5th Annual Meeting of Indian College of Veterinary Pathologists National Symposium on “Impact of Climate Change on Pathobiology of Diseases of Animals, Poultry and Fish” held on 13-15 November 2014 at College of Veterinary Science & Animal Husbandry, Anand Agricultural University, Anand-388 001, Gujarat.

Case Report Published

- G Narang, Davinder Singh, **Devan Arora**, N Jindal and N K Mahajan (2012). An outbreak of nitrate poisoning in buffaloes in Haryana. *Veterinary Practitioner* 13 (2): 330.
- **Arora D**, Kumar S, Singh D, Jindal N and Mahajan NK (2013). Isolation, characterization and antibiogram pattern of salmonella from poultry in parts of Haryana, India. *Adv. Anim. Vet. Sci.* 1 (5): 161 – 163.
- Basarajappa AD, Tiwari R, Roy R, Singh D, Matt WT and **Arora D** (2014). Information need of owners regarding dog’s healthcare, zoonotic diseases and marketing. *Adv. Anim. Vet. Sci.* 2 (3): 148 – 149.
- **Devan Arora**, Davinder Singh, P.K. Kapoor, Y. Singh*, V.J. Jadhav and Ashwani Kumar (2014). Detection of *Bacillus cereus* in pasteurized milk sold in local market of Hisar, Haryana. *Haryana Veterinarian* 53 (2): 154-155.
- Neeraj Arora, Sukhdeep Vohra, Satyavir Singh, Sandeep Potliya, Anshul Lather, Akhil Gupta, **Devan Arora** and Davinder Singh (2013). Therapeutic Management of Chronic Generalized Demodicosis in a Pug. *Advances in Animal and Veterinary Sciences.* 1 (2S): 26 – 28.

Workshops and Conferences attended

- Attended training course on “Fundamentals of Equine Practice” organized by Teaching Veterinary Clinical Service Complex in collaboration with Equine Breeding Stud, Hisar and sponsored by Directorate of Student Counseling and Placement, CCSHAU, Hisar, from May 26 to June 9, 2008.
- Attended Workshop on “Handling and Care of Laboratory Animals” held on 20–22, October 2011 at Guru Jambheshwar University of Science and Technology, Hisar.
- Attended Training programme on “Techniques in Genetic Engineering and Cell Culture” held from 8th-28th February, 2012 conducted in the Department of Animal Biotechnology, COVS, LUVAS, Hisar.
- Attended XXIX Annual Conference of Indian Association of Veterinary Pathologists National Symposium on “Challenges in diagnostic pathology in domestic, pet, wild and aquatic animals” and National Seminar on “Emerging trends in diagnosis and control of poultry diseases” held at Department of Veterinary Pathology, Lala Lajpat Rai University of Veterinary and Animal Sciences on November 5-7, 2012.

- Attended XII Convocation of National Academy of Veterinary Sciences & National Convention held at College of Veterinary Sciences, LUVAS, Hisar on January 28-29, 2014.
- Attended five days hands on training programme for the “High throughput single dilution LPBE assay for sero-surveillance on mass scale from 24/11/14 to 28/11/2014 at the Directorate of Research on Foot-and-Mouth Disease, IVRI, Mukteswar Campus, Distt. Nainital.
- Attended CPCSEA Nominee Training Program held at NIAW, Ballabgarh, Faridabad on March 18-22, 2013.