**ASHISH GUPTA, BVSc & AH, MVSc, Ph.D, Dipl. ACVP**

*Assistant professor, Poultry Pathology*

*In charge serology section, Diagnostic services unit*

*Spy Hill Campus, 11877, 85 St NW*

*University of Calagry, AB, Canada, T3R 1J3*

*Phone: (306) 715-2605*

*Email: ashish.gupta1@ucalgary.ca*

**EDUCATION**

**Diplomate American College of Veterinary Pathology 2022**

**Certificate in Veterinary Diagnostic Pathology (Anatomic Pathology) 2021-2022**

**MVet Sci (Anatomic Pathology) 2019-2021**

*University of Saskatchewan, Saskatoon, SK, Canada*

**Doctor of Philosophy (Anatomic Pathology, Poultry) 2012-2018**

University of Saskatchewan, Saskatoon, SK, Canada

*Thesis*: Pathogenesis and Control of Inclusion Body Hepatitis in Broiler Chickens

**Master of Veterinary Science 2009-2011**

National Swine Disease Diagnostic Laboratory

Indian Veterinary Research Institute, Izzatnagar, Bareilly, Uttar Pradesh, India

*Thesis:* Fluorescent in-situ Hybridization for Diagnosis of Classical Swine Fever Virus

**Bachelor of Veterinary Science and Animal Health 2004-2009**

University CSKHPKV, Dr. GC Negi College of Veterinary and Animal Science Palampur, Himachal Pradesh, India

**EMPOLYMENT POSITIONS**

**Assistant Professor (Poultry Pathology) 2022**

University of Calgary

**Post-doc Fellow 2018-2019**

University of Saskatchewan

**Research Assistant ` 2018**

University of Saskatchewan

**PROFESSIONAL AFFILIATIONS/ACTIVITIES**

* American Association of Veterinary Pathologists, since 2022
* Alberta Veterinary Medical Association, since 2022
* Saskatchewan Veterinary Medical Association, Ed. License 2019-2021
* American Association of Avian Pathologists, member 2019
* American Association of Avian Pathologists, student member 2013-2018
* World Veterinary Poultry Association, 2015-2017
* Indian Association of Veterinary Pathologists, registered member
* Himachal State Veterinary Council, registered member

**PROFESSIONAL TRANINGS/WORKSHOPS**

* 2022: 46th Annual Poultry Service Industry Workshop, Banff, Alberta, Canada
* 2019: American College of Poultry Veterinarians. What is new and coming in poultry vaccinations. Puerto Vallarta, Mexico
* 2017: Avian Disease Workshop: Dr. H.L. Shivprasad. University of Saskatchewan.
* 2017: American College of Poultry Veterinarians Workshop: The Challenges of the Veterinary feed directive and evolving poultry production: Considerations and the role of the poultry veterinarian. Sacramento, CA.
* 2016: American College of Poultry Veterinarians Workshop: Disaster/emergency preparedness (with emphasis on avian influenza). Vancouver, BC.
* 2016: Descriptive Veterinary Pathology Course: Charles Louis Davis DVM Foundation University of Saskatchewan.
* 2012: Ethics and integrity in animal research: University of Saskatchewan.
* 2012: Laboratory safety and biosafety course: University of Saskatchewan.

**TEACHING**

* 2022- 2024: VETM 571. Veterinary Diagnostics and Therapeutics. University of Calgary. Poultry Necropsy
* 2022-2024: VETM 461. Outbreak investigation. University of Calgary.
* 2022: VETM 342. Path basis. Avian Inflammation. University of Calgary.
* 2019: Animal Science 412. University of Saskatchewan. Lecture: Immunosuppressive viruses, Mycoplasmosis, Chlamydiosis, fungal disease and poultry necropsy.
* 2017: Animal Science 412. University of Saskatchewan. Lecture: Avian Adenoviruses.
* 2014: Animal Science 412. University of Saskatchewan. Lecture: Avian Adenoviruses.

**ACADEMIC EXCELLANCE EXAM/LICENCE EXAM**

* 2022: American College of Veterinary Pathology Board certification
* 2019-2020: American College of Poultry Veterinarian Board Certification (registered in exam 2 and 3**)**
* 2019: Pre-Surgical Assessment
* 2018: North American Veterinary Licensing exam
* 2017: Basic and Clinical Sciences Exam
* 2011: National Eligibility Test- Council of Scientific and Industrial Research- India
* 2011: National Eligibility Test- Indian Council of Agriculture Research

**PRESTIGIOUS SCHOLARSHIPS/FELLOWSHIPS**

* 2020: Interprovincial Graduate Fellowship ($36000/year), University of Saskatchewan. Saskatoon, SK, Canada.
* 2019: Interprovincial Graduate Fellowship ($33000/year), University of Saskatchewan. Saskatoon, SK, Canada.
* 2014: Saskatchewan Innovation and Opportunity Scholarship ($10,000). University of Saskatchewan. Saskatoon, SK, Canada.
* 2014: Non-devolved University Graduate Scholarship ($20,000/year for 3 years). College of Graduate Studies and Research, University of Saskatchewan. Saskatoon, SK, Canada.
* 2009: Junior Research Fellowship ($250/month for 2 years). Indian Council of Agriculture Research. Izzatnagar, UP, India

**RESEARCH EXCELLENCE AWARDS**

* 2017: Richard B. Rimler Memorial Research Paper Award ($2500) (Invited speaker), American Association of Avian pathologists, AVMA convention, Indianapolis, Indiana, USA. JAVMA News Archives. 2017. JAVMA, Vol 251(8): pp 864-888/ 2017 AAAP Awards. Avian Diseases: 61(4):421-427.
* Health Sciences Research Expo and 3rd place in Virology and Clinical Sciences category at Western College of Veterinary Medicine, University of Saskatchewan, Saskatoon, SK, Canada
* 2016: Best Poster Award, 3rd place in Virology and Clinical Sciences category at Western College of Veterinary Medicine, Canada and, 3rd place in Microbiology and Virology Category at Health Sciences Research Day, university of Saskatchewan, Saskatoon, SK, Canada.
* 2014: H. N. Memorial Gold Medal, Veterinary Clinics (Medicine, Gynecology and Surgery). College of Veterinary and Animal Sciences. Palampur, HP, India.
* 2014: Certificate of Honor for Excellence in BVSC&AH. College of Veterinary and Animal Sciences. Palampur, HP, India.
* 2011: Narmada Hatcheries Young Scientist Award ($20). Gupta, Ashish and G Saikumar.
* 2010: Best Poster Award, 1st Place. Neoplastic conditions in Swine. National Seminar on Advances in Animal Cancer Research in India, Division of Pathology, Indian Veterinary Research Institute. Izzatnagar, UP, India.

**PEER REVIEWED PUBLICATIONS/SCHOLARY WORK**

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**BOOK CHAPTERS**

* Gupta, A., G, S. & Arya, R. S. Classical Swine Fever: Molecular Diagnostic Tools. in *Diseases of Farm Animals and Poultry and Molecular Diseases Diagnosis* (eds. Somvansi, R., Kataria, J. M. & Bind, R. B.) 148–157 (2012).
* Saikumar, G. & Gupta, A. Neoplastic Conditions in Swine. in *Animal Cancer- Trends in Diagnosis, Treatment and Management* (eds. Somvanshi, R. & Dhama, K.) 58–71 (2014).

**NEWSLETTERS FOR RESEACRCH EXTESTION**

* Ayalew, L. E., Fricke, J., Gupta, A., Chow-Lockerbie, B., Popowich, S., & Gomis, S. (2017, December). Reovirus infections in broiler chickens. *Chicken Farmers of Saskatchewan*, 4.
* Ayalew, L., Gupta, A., Fricke, J., Chow-Lockerbie, B., Popowich, S., & Gomis, S. (2016

June). Avian Viral Arthritis. *Chicken Farmers of Saskatchewan*, 7.

* Ayalew, L., Gupta, A., Lee, D., Kim, B., Fricke, J., Lockerbie, B., Popowich, S., & Gomis, S. (2015, June). Reovirus Infection in Broilers and Broiler Breeders in Saskatchewan. *Chicken Farmers of Saskatchewan*, 6–7.
* Gupta, A., Chand, S., Chander, V., Kumar, R., Kumar, M., & S, N. (2011). Biosecurity: Boon to Poultry Industry. *Poultry Line*, 59–62.
* Gupta, A., Chand, S., Chander, V., Kumar, R., Kumar, M., & S, N. (2012). Leptospirosis- Epidemiology, Pathogenesis and Control. *Livestock Line*, 9–18.
* Karunarathna, Ruwani Wawryk, M., Fricke, J., Gupta, A., Bandara, K., Derbawka, Stephanie Vermet, C., Lockerbie, B., Popowich, S., & Gomis, S. (2015, April). Enterococcal Infections in Broiler Chickens. *Chicken Farmers of Saskatchewan*, 6–7.

**NATIONAL CENTRE FOR BIOTECHNOLOGY INFORMATION RESEARCH SUBMISSIONS**

* Roy, Gwen, Gupta Ashish, Bollinger, Trent and Lockerbie- Chow, Betty. 2019. Isospora sp SK01 18S rRNA partial sequence. MN639700.
* Popowich, Shelly, Gupta, Ashish, Chow-Lockerbie, B, Ayalew, Lisanework, Ambrose, Neil, Ojkic, Davor, Gunawardana, Thusari, Kurukulasuriya, Shanika, Willson, Philip, Tikoo, Suresh. and Gomis, S. 2018. Fowl adenovirus-2-SK (685) sequence. M288384.
* Ayalew, Lisanework E, Gupta, Ashish, Fricke, Jenny, Ahmed, Khawaja Ashfaque, Popowich, Shelly, Lockerbie, Betty, Tikoo, Suresh K, Ojkic, Davor and S Gomis. 2016. Avian reovirus sigma-C sequences. KX855899 to KX855926. NCBI submissions.
* Tomar, N, Gupta, A, Arya RS, Gupta, A and G Saikumar. 2013. Classical swine fever virus isolate CSFV-PK15C-NG79-11. Complete Genome. KC5003764. NCBI submission.

**PREVIOUS PROJECTS**

* Control of inclusion body hepatitis in broiler chickens in Canada. IBH is an economically important fowl viral disease of broiler chickens. My PhD thesis project was to develop live, inactivated or subunit vaccines for its prevention and improving inactivated vaccines by adjuvant testing.
* Charactering emerging avian reovirus infections in the broiler chicken industry in Canada: This disease has become a common problem in the broiler chicken industry in Canada. We are investigating the effects of reovirual vaccines against reoviral arthritis/tenosynovitis.
* Control of variant infectious bursal disease virus in broiler chickens: IBD is highly prevalent viral disease in broiler breeders in Canada. Variant IBDV predominates in Canada which are not amenable to currently available commercial vaccines. The goals of the project to develop vaccines for the prevention of variant IBDVs.
* Developing alternatives to antibiotics for antibiotic free chicken farming. Immunostimulatory effects of oligonucleotides (ODN) containing CpG-motifs (CpG- ODN) against *Escherichia coli* infections in neonatal broiler chickens.
* Identification of bacterial causes of mortality associated with yolk sac infections in hatching eggs. Incidence, pathogenesis and control measures of *Enterococcus* infections in chicken embryos and neonatal broiler chickens.

**CONFERENCES/SYMPOSIUM ATTENDED**

* 2019: 52th Annual Meeting of the Western Conference of Veterinary Diagnostic Pathologists (WCVDP). Saskatoon, SK.
* 2019: American Association of Avian Pathologists (AAAP) Annual meeting. Washington DC.
* 2019: 68th Western Poultry Disease Conference (WPDC). Puerto Vallarta, Mexico.
* 2017: 50th Annual Meeting of the Western Conference of Veterinary Diagnostic Pathologists (WCVDP). Saskatoon, SK.
* 2017: American Association of Avian Pathologists (AAAP) Annual meeting. Indianapolis, IN.
* 2017: 66th Western Poultry Disease Conference (WPDC). Sacramento, CA.
* 2016: 49th Annual Meeting of the Western Conference of Veterinary Diagnostic Pathologists (WCVDP). Saskatoon, SK.
* 2016: 65th Western Poultry Disease Conference (WPDC). Vancouver, BC.
* 2016: Poultry Industrial Meeting. Saskatoon, SK.
* 2015: 48th Annual Meeting of the Western Conference of Veterinary Diagnostic Pathology (WCVDP). Abbotsford, BC.
* 2015: American Association of Avian Pathologists (AAAP) Annual meeting. Boston, MA.
* 2015: XVII International Symposium of the World Association of Veterinary Laboratory Diagnosticians (WAVLD). Saskatoon, SK.
* 2015: Poultry Industrial Meeting. Saskatoon, SK.
* 2011: National symposium on ‘*Innovative Research Approaches for Diagnostic Pathology*’ XXVIII Annual Conference of Indian Association of Veterinary Pathologists. Chennai, TN, India.
* 2011: National Symposium on New Paradigms in Laboratory Animal Science in an Era of Advanced Biomedical Research. Izzatnagar, UP, India.
* 2010: National Seminar on *Advances in Animal Cancer Research in India: Diagnosis, Treatment and Clinical Management.* Izzatnagar, UP, India.
* 2010: International conference on ‘*Physiological Capacity Building in Livestock under Changing Climatic Scenario’.* Bareilly, UP, India.