

## ACPV Application for Emeritus Membership

Name: Dr. Hector Cervantes

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Phone: (706) 310-0084

Birthplace: Mexico City

Birth date: 4/28/1953

Citizenship/Permanent Residency: United States

### **Additional Information**

How long have you been a member of ACPV?: 30

Resume of your experience in avian medicine:

*(Recent positions, please give employer name, title, type of work and years spent)*

See below.

What are you doing now?:

Retired but active in academic activities as Adjunct Graduate Professor at The University of Georgia.

Other Comments:

Retired from gainful employment 12/31/21

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***HECTOR M. CERVANTES, DVM, MSc, Hon. MAM, Diplomate ACPV***

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**EDUCATION AND ACADEMIC ACHIEVEMENTS**

Jan-96/present – Adjunct Graduate Professor of Avian Medicine, Department of Population Health, Poultry Diagnostic and Research Center, College of Veterinary Medicine, University of Georgia, Athens, Georgia.

Jan-12/present – Adjunct Professor of Avian Medicine, Department of Population Health and Pathobiology, College of Veterinary Medicine, North Carolina State University, Raleigh, North Carolina.

Sep-16/present – Course Master, World Veterinary Education in Production Animal Health. Schadtengasse 2 55765 Birkenfeld, Germany. [www.wvpeah.org](http://www.wvpeah.org)

1/8/92 – Diplomate, American College of Poultry Veterinarians.

Jul-86/Jun-87 – Avian Medicine Internship, College of Veterinary Medicine, North Carolina State University, Raleigh, North Carolina.

Sep-79/Sep-81 – Master of Science (Poultry Nutrition), College of Agriculture, Department of Poultry Science, University of Georgia, Athens, Georgia.

Mar-72/Mar-76 – Doctor of Veterinary Medicine, College of Veterinary Medicine, The National and Autonomous University of Mexico, Mexico City.

**EMPLOYMENT HISTORY**

Jul-06/Dec-21 – Phibro Animal Health, Senior Manager of Poultry Veterinary Services, North American Region, Athens, Georgia.

Jan-02/Jun-06 – Phibro Animal Health, Manager of Poultry Veterinary Services, North American Region, Athens, Georgia.

Dec-97/Dec-01 – Phibro Animal Health, Senior Poultry Veterinary Services Veterinarian, Athens, Georgia.

Nov-94/Nov-97 – Pfizer/Phibro Animal Health, Poultry Veterinary Services Veterinarian, Athens, Georgia.

Jun-91/Nov-94 – Peterson Farms, Inc., Director of Poultry Health & Quality Assurance, Decatur, Arkansas.

Feb-90/May-91 – Champion Agri-International, Inc, Director of Veterinary Services, Miami, Florida.

Jul-87/Jan-90 – Cargill, Inc., Turkey Production Veterinarian, Springdale, Arkansas.

Jul-86/Jul-87 – North Carolina State University, School of Veterinary Medicine, Avian Medicine Intern, Raleigh, North Carolina.

Dec-82/Jun-86 – University of Georgia, Department of Poultry Science, Research Associate, Athens, Georgia.

Oct-81/Nov-82 – Ralston Purina of Mexico, Assistant Feed Formulation and Quality Assurance Manager, Mexico City, Mexico.

### **HONORS AND AWARDS**

1/23/23 Lamplighter Award, United States Poultry and Egg Association. Presented at “Ventanas”, Rooftop, Hilton Garden Inn, 275 Baker Street, Atlanta, Georgia.

08/05/19 Inducted into the American Association of Avian Pathologists Hall of Honor. Awards Dinner, Annual Convention of the American Association of Avian Pathologists, Congressional Ballrooms A & B, Renaissance Downtown Hotel, Washington, DC.

08/05/19 Recipient of the Lasher-Bottorff Award. Awards Dinner, Annual Convention of the American Association of Avian Pathologists, Congressional Ballrooms A & B, Renaissance Downtown Hotel, Washington, DC.

04/02/19 – Recipient of the 44<sup>th</sup> Annual Convention Dedication, Tribute and Presentation of the “Gold Turkey Award” by ANECA. Grand Ballroom, Sheraton Buganblias Hotel, Puerto Vallarta, Jalisco, Mexico.

09/28/17 – Inducted into the Latin American Poultry Association (ALA) Hall of Fame at the XXV Congress of the Latin American Poultry Association. Grand Ballroom II, Hilton Hotel, Guadalajara, Jalisco, Mexico.

28/7/14 – American Association of Avian Pathologists Development Director Award, Annual Business Meeting, American Association of Avian Pathologists, Rooms 102, 104, 106, Colorado Convention Center, Denver, Colorado.

25/4/13 – Harrington Award, North Carolina State University College of Veterinary Medicine Student Awards, McKimmon Center for Extension and Continuing Education, North Carolina State University, Raleigh, North Carolina.

16/7/11 – “Honorary Member”, Master of Avian Medicine Alumni Association, Annual Meeting, St. Louis, Missouri.

2/8/10 – American Association of Avian Pathologists Special Service Award, Annual Meeting, American Veterinary Medical Association and American Association of Avian Pathologists, Grand Ballroom, Omni Hotel, Atlanta, Georgia.

1999 – Peer Recognition in Excellence Award, Pfizer Animal Health, National Livestock Division Sales Meeting, August 2-6, Hyatt Grand Cypress Hotel, Orlando, Florida.

1998 – Stone Heart Award for Most Valuable Team Player, Pfizer Poultry Business Team Distaff Meeting, March 11-14, Sea Island Resort, Captiva Island, Florida.

### **SCIENTIFIC ASSOCIATION SERVICE AND OTHER ACTIVITIES**

July 2018 – Present. Alternate representative for the American Association of Avian Pathologists in the Committee on Antimicrobials of the American Veterinary Medical Association.

7/17-Present. Awards Committee of the American Association of Avian Pathologists. Served as Chair 2020 – 2022.

7/15-7/17 – Board Member (President-elect, President and Past-President), American Association of Avian Pathologists.

09/08/16 – President, American Association of Avian Pathologists, San Antonio Convention Center, San Antonio, Texas.

12/07/15 – President-elect, American Association of Avian Pathologists, Boston Convention Center, Boston, Massachusetts.

April 4, 2017. Moderator of the Poultry Committee Meeting. Annual Conference of the National Institute for Animal Agriculture, Tuesday, April 4, Renaissance Columbus Downtown Hotel, Columbus, Ohio.

February 7, 2017. Moderator, Panel: Turkey Health in an Evolving World. Live Production Committee Meeting, National Turkey Federation Annual Convention, Disney Resorts – Grand Lake Buena Vista, Florida.

July 27, 2014 Moderator, Coccidiosis Session, Rooms 102/104/106, Annual Meeting, American Association of Avian Pathologists, Colorado Convention Center, Denver, Colorado.

July, 2011/July 2014 Development Director, American Association of Avian Pathologists Foundation.

April-14/present Representative, American Association of Avian Pathologists, American Veterinary Medical Association Clinical Practitioners Advisory Committee.

Jun-13/present Board Member, Board of Directors, National Institute for Animal Agriculture.

Jul-11/present Associate Editor, Immunology, Health & Disease, Poultry Science.

2011/2014 American Association of Avian Pathologists representative, Board of Governors, American College of Poultry Veterinarians.

2011/2013 Alternate Representative, American Association of Avian Pathologists, American Veterinary Medical Association Clinical Practitioners Advisory Committee.

2011/2014 Chairman, Food Safety & Health Committee (formerly, Drugs & Chemicals Committee), Poultry Science Association.

Jul-10/present Associate Editor, Health & Disease; Meat Bird Management, Journal of Applied Poultry Research.

1/5/10 – Chairman, Scientific Committee, XVII Congress of the World Poultry Veterinary Association. Cancun, Mexico.

2009-2010 – President, Southern Poultry Science Society, Annual Business Meeting, January 20, Atlanta World Congress Center.

2007-2208 – President, American College of Poultry Veterinarians.

2006 – “Top-Gun Industry Problem Solver”, Nov. issue, Watt Poultry USA, pp. 16-27.

2002 – Nominated for President of the Poultry Science Association, 91<sup>st</sup> annual business meeting, August 11-14, University of Delaware, Newark, Delaware.

2008/2011 Chairman, Drugs and Therapeutics Committee, American Association of Avian Pathologists.

2008 First Vice President, Southern Poultry Science Society, Annual Business Meeting, January 22, Atlanta World Congress Center.

2007/2010 Board member (AAAP Representative), Board of Governors, American College of Poultry Veterinarians.

2007 Moderator, coccidiosis session, 50<sup>th</sup> annual meeting of the American Association of Avian Pathologists held at the Convention Center in Washington, D.C.

2007 Second Vice President, Southern Poultry Science Society, Annual Business Meeting, January 23, Atlanta World Congress Center.

2006/2010 South Region Director, Board of Directors, American Association of Avian Pathologists, July 16, 2006.

2005/July 2010 Reviewer of scientific manuscripts submitted for publication in the Poultry Science Journal and the Journal of Applied Poultry Research.

2004/2006 Chairman, Chemicals and Drugs Committee, Poultry Science Association.

2002/2004 Chairman, Enteric Diseases Committee, American Association of Avian Pathologists.

1999/2004 Chairman, Industry Committee, Poultry Science Association.

1997-1999 – President, Association of Avian Technical Services Veterinarians.

1993-1994 – President, Arkansas Poultry Veterinary Association.

1986 – Recipient, Avian Medicine Internship, North Carolina State University College of Veterinary Medicine.

1979 – Recipient, scholarship from Mexico's National Council of Science and Technology (CONACYT) for a Master of Science degree at The University of Georgia Poultry Science Department.

1993/present Technical Committee Member for the National Poultry Improvement Plan.

1993 South Central Region Alternate Delegate to the General Conference Committee of the National Poultry Improvement Plan.

#### **MANUSCRIPTS PUBLISHED IN REFEREED JOURNALS**

Cervantes, H.M., and L.R. McDougald, 2023. Raising broiler chickens without ionophore anticoccidials. J. Appl. Poult. Res., doi:<https://doi.org/10.1016/j.japr.2023.100347>

Fajt, R.V., T.W. Lehenbauer, P.J. Plummer, R.C. Robbins, J.M. Scheftel, R.S. Singer, A.J. Cannon, E. Frey, P.S. Gaunt, M.G. Papich, T.M. Parker, C. Brookshire, H.M. Cervantes, M.T. Jay-Russell, L.V. Schnabel, D.R. Smith, L.R. Wright, M. Costin, 2022. A call to action for veterinarians and partners in animal health to collect antimicrobial use data for the purposes of supporting medical decision-making and antimicrobial stewardship. J. Amer. Vet. Med. Assn.

Cervantes, H.M., and L.R. McDougald, 2022. The use of anticoccidial sensitivity tests (ASTs) by the poultry industry. Avian Dis. (in press).

Smith, D.R., P.S. Gaunt, P.J. Plummer, H.M. Cervantes, P. Davies, V.R. Fajt, E. Frey, M.T. Jay-Russell, T.W. Lehenbauer, M.G. Papich, T.M. Parker, E.C. Phipps, J.M. Scheftel, L.V. Schabel, R.S. Singer, J.E. Whaley, J.K. Wishnie, L.R. Wirght and M. Costin, 2019. Viewpoint: The AVMA's definitions of antimicrobial uses for prevention, control and treatment of disease. *JAVMA* 254 (7): 792-797.

DaCosta, M.J., K.W. Bafundo, G.M. Pesti, E.A. Kimminau and H.M. Cervantes, 2017. Performance and anticoccidial effects of nicarbazin-fed broilers reared at standard or reduced environmental temperatures. *Poult. Sci.* 96:1615-1622.

Cervantes, H.M., 2015. Antibiotic-free poultry production: Is it sustainable? *J. Appl. Poult. Res.* 24:91-97.

Tahir, M., M. Hellwig, H.M. Cervantes, C.W. Farmer and G.M. Pesti, 2011. Broiler performance, hatching egg and egg relationships of progeny from standard and dwarf broiler dams. *Poult. Sci.* 90:1364-1370.

Cervantes, H.M., M.Y. Shim, S.E. Hooper, K.W. Bafundo and Gene M. Pesti, 2008. The influence of virginiamycin on the live and processing performance of Nicholas turkey hens. *J. Appl. Poult. Res.* 20:347-352.

Bafundo, K.W., H.M. Cervantes and G.F. Mathis, 2008. Sensitivity of *Eimeria* Field Isolates in the USA: Responses of Nicarbazin-Containing Anticoccidials. *Poultry Sci.* 87:1760-1767.

Cervantes, H.M., K.W. Bafundo, G.M. Pesti, and R.I. Bakalli, 2008. Live and Processing Performance Responses of Broilers Fed Low and Extra-Low Nutrient Density Withdrawal Diets Supplemented with Virginiamycin. *J. of Appl. Poult. Res.*, 17:87-92.

Cervantes, H.M., 2006. Letters to the Editor: More On The Preservation of Antibiotics Act. *Journal of the American Veterinary Medical Association*, July 1, 2006. Vol. 228 (1):26-27.

Pesti, G.M., R. I. Bakalli, H.M. Cervantes and K.W. Bafundo, 2002. The influence of withdrawal time on the performance of broiler chickens fed semduramicin. *Poultry Sci.* 81:939-944.

Pesti, G.M., H.M. Cervantes, R.I. Bakalli, K. W. Bafundo and M.N. Garcia, 1999. Studies on semduramicin and nutritional responses: 3. Electrolyte balance. *Poultry Sci.* 78: 1552-1560.

Pesti, G.M., R.I. Bakalli, H.M. Cervantes and K.W. Bafundo, 1999. Studies on semduramicin and nutritional responses: 2. Methionine levels. *Poultry Sci.* 78:1170-1176.

Pesti, G.M., R.I. Bakalli, H.M. Cervantes and K.W. Bafundo, 1999. Studies on semduramicin and nutritional responses: 1. Level and source of protein. *Poultry Sci.* 78:102-106.

Brenes, A., R.S. Beyer, H.M. Cervantes and L.S. Jensen, 1990. Dietary and monensin effects on activity of hepatic microsomal mixed-function oxidase system in chicks. *Poultry Sci.* 69:1285-1291.

Cervantes, H.M., L.L. Munger, D.H. Ley and M.D. Ficken, 1988. Staphylococcus-induced gangrenous dermatitis in broilers. *Avian Dis.* 32:140-142.

Cervantes, H.M. and L.S. Jensen, 1986. Interaction of monensin with dietary vanadium, potassium and protein, and its effect on hepatic rubidium and potassium in chicks. *Poultry Sci.* 65:1591-1597.

Brenes, A., L.S. Jensen and H.M. Cervantes, 1985. Activation of hepatic microsomal mixed-function oxidase system in broiler chicks by diet changes. *Poultry Sci.* 64:963-968.

Jensen, L.S., H.M. Cervantes and K. Takahashi, 1984. Liver lipid content in broilers as affected by time without feed and water. *Poultry Sci.* 63:2404-2407.

Cervantes, H.M., L.S. Jensen and A. Brenes, 1982. Moderation of monensin-induced growth depression by dietary potassium. *Poultry Sci.* 61:1107-1112.

#### **BOOK CHAPTERS**

Cervantes, H.M., L.R. McDougald and M.C. Jenkins. Coccidiosis, in: *Diseases of Poultry*, 14<sup>th</sup> Ed., Editor in Chief, David E. Swayne, Wiley-Blackwell.

#### **INVITED SPEAKER PRESENTATIONS**

142. Cervantes, H.M., 2023. Opportunities for externships and travel scholarships sponsored by the American Association of Avian Pathologists for veterinary medical students from the Faculty of Veterinary Medicine and Zootechnia of Mexico's Autonomous National University (UNAM) interested in poultry medicine. XXIX Poultry Medical Journey "Dr. Jose Antonio Quintana Lopez", February 25<sup>th</sup>, Auditorium Pablo Zierold Reyes, Faculty of Veterinary Medicine and Zootechnia, UNAM.

141. Cervantes, H.M., 2022. Scholarships from the American Association of Avian Pathologists (AAAP) available for veterinary medical students from the Faculty of Veterinary Medicine and Zootechnia of Mexico's Autonomous National University (UNAM). XXVIII Poultry Medical Journey "Dr. Jose Antonio Quintana Lopez", February 25<sup>th</sup>, Auditorium Pablo Zierold Reyes, Faculty of Veterinary Medicine and Zootechnia, UNAM.

140. Cervantes, H.M., 2021. Impact of Poultry Production Without Antibiotics. XLV Annual Congress. National Association of Avian Sciences Specialists (ANECA). April 27<sup>th</sup> to April 30<sup>th</sup>, Mexico. Presented virtually on April 29<sup>th</sup>.



139. Cervantes, H.M., 2021. Current Restrictions, Regulations and Future Challenges on the Use of Antibiotics in Poultry. Western Association of Veterinarians Specializing in Avian Sciences (AVECAO), Tepatlán de Morelos, Jalisco, Mexico. Presented virtually on April 22<sup>nd</sup>.
138. Cervantes, H.M., 2020. The Cervantes Method for the Assessment of Chick Quality. Seminar, Department of Avian Medicine, College of Veterinary Medicine, National and Autonomous University of Mexico. Held virtually on December 7, 2020.
137. Cervantes, H.M., 2020. Antibiotic Free Poultry Production. XXVI Avian Medical Journeys, Pablo Zierold Reyes Auditorium, Faculty of Veterinary Medicine, National and Autonomous University of Mexico (UNAM), Wednesday, February 19, Mexico City, Mexico.
136. Cervantes, H.M., 2019. The Responsible Use of Antibiotics in Poultry Production. Proc. 44<sup>th</sup> Annual Convention, ANECA. Friday, April 5, Grand Ballroom, Sheraton Buganblias Hotel, Puerto Vallarta, Jalisco, Mexico.
135. Cervantes, H.M., 2019. How to Communicate with Consumers to Dispel Common Myths on Poultry Production. Proc. Latin American Poultry Summit, Feb. 11-12, Georgia World Congress Center, Atlanta, Georgia.
134. Cervantes, H.M., 2018. World Perspective on the Use of Antibiotics in Poultry. Proc. XXV Central American and Caribbean Poultry Congress, August 21-23, San Pedro Sula, Honduras.
133. Cervantes, H.M., 2018. Coccidiosis Control in Commercial Poultry Production. Proc. XIV International Seminar on Avian Pathology and Production. May 21-25, AMEVEA- University of Georgia, Athens Classic City Center, Athens, Georgia.
132. Cervantes, H.M., 2018. Changes in Antibiotic Use and Its Impact on Intestinal Integrity. Proc. XLIII Annual Convention, ANECA, Ixtapa-Zihuatanejo, Guerrero, Mexico.
131. Cervantes, H.M., 2018. The Use of Antibiotics in the Poultry Industry. Proc. Midwest Poultry Federation Annual Convention, Room M100 F-G, Tuesday, March 13, Minneapolis Convention Center, Minneapolis, Minnesota.
130. Cervantes, H.M., 2018. Are antibiotics needed in poultry? XXIV Avian Medical Journeys, Pablo Zierold Reyes Auditorium, College of Veterinary Medicine, Mexico's Autonomous National University (UNAM), February 23. Mexico City, Mexico.
129. Cervantes, H.M., 2017. Farm Interventions to Control Necrotic Enteritis. North Carolina Poultry Health Meeting. November 10, Ramada Inn, 1520 Blue Ridge Road, Raleigh, North Carolina.

128. Cervantes, H.M., 2017. Myths and Facts about Antibiotic and Hormone Use. XXV Latin American Poultry Congress, September 29, Salon Zapopan, Expo Guadalajara, Guadalajara, Jalisco, Mexico.
127. Cervantes, H.M., 2017. Antibiotic-free Poultry Production. August 25, School of Veterinary Medicine, Universidade Federal do Paraná (UFPR), Brazil.
126. Cervantes, H.M., 2017. Veterinary drugs, feed additives and growth promoters. August 25, School of Veterinary Medicine, Universidade Federal do Paraná (UFPR), Brazil.
125. Cervantes, H.M., 2017. Farm Interventions to Control Necrotic Enteritis. Proc. Virginia Poultry Health and Management Seminar. August 9, Robert E. Plecker Workforce Center at Blue Ridge Community College, Weyers Cave, Virginia.
124. Cervantes, H.M., 2017. Discussion Panel: "Antibiotics: Restrictions, Trends and Alternatives", Friday, May 5, XLII Annual Convention of the ANECA, Hotel Galeria Plaza, Boca del Rio, Veracruz, Mexico.
123. Cervantes, H.M., 2017. Working with Actual Cases Impacting Bird Health. Broiler and Turkey Health Management Schools, May 9, James B. Henry Center for Executive Development, Michigan State University, East Lansing, Michigan.
122. Cervantes, H.M., 2017. Salmonella Control Programs for Poultry in the USA. Annual Conference of the National Institute for Animal Agriculture, Tuesday, April 4, Renaissance Columbus Downtown Hotel, Columbus, Ohio.
121. Cervantes, H.M., 2017. Turkey Health in an Evolving World: Panel Moderator. Annual Meeting of the National Turkey Federation, February 7. Orlando, FL.
120. Cervantes, H.M., 2016. Veterinary Feed Directive....Changes Are Almost Here....Are You Ready? North Carolina Poultry Health Meeting, Friday, November 11, Ramada Inn Hotel, Raleigh, NC.
119. Cervantes, H.M., 2016. Is Antibiotic-free Poultry Production Sustainable? Annual Meeting, World's Poultry Science Association, Chilean Branch, Tuesday, May 31, Auditorium, Facultad de Ciencias Veterinarias y Pecurias, Campus Antumapu, Universidad de Chile, Santiago, Chile.
118. Cervantes, H.M., 2016. What Can We Expect from the Changes on Antibiotic Use? Annual Meeting, World's Poultry Science Association, Chilean Branch, Tuesday, May 31, Auditorium, Facultad de Ciencias Veterinarias y Pecurias, Campus Antumapu, Universidad de Chile, Santiago, Chile.
117. Cervantes, H.M., 2016. Approach to the Veterinary Feed Directive: What Does it Mean for Poultry Production? 15<sup>th</sup> Turkey & Broiler Health Management School, and Layer Health

Management School. May 23 – 25, Best Western Plus Inn Towner and the Highland Club, Madison, Wisconsin.

116. Cervantes, H.M., 2016. Dispelling Myths about Antibiotic and Hormone Use in Poultry. Poultry Science Club Seminar, April 11, Department of Poultry Science, University of North Georgia, Gainesville Campus, Science Building.

115. Cervantes, H.M., 2016. Antimicrobial Use Policies: Why Changes Won't Affect the Outcome, Departmental Seminar, University of Georgia, College of Veterinary medicine, Department of Population Health, Poultry Diagnostic and Research Center, Room 319, February 23.

114. Cervantes, H.M., 2015. Antimicrobial Usage in Poultry and Antimicrobial Resistance from the Poultry Industry Perspective. Departmental Seminar, September 14, Department of Population Health, Poultry Diagnostic and Research Center, College of Veterinary Medicine, The University of Georgia, Athens, Georgia.

113. Cervantes, H.M., 2015. Antibiotics and the Myth about Hormones in Broiler Chicken Production. 14<sup>th</sup> Convention, Poultry Veterinary Association of the State of Veracruz (AMVEAV), June 17 – 19, Holiday Inn Boca del Rio, Veracruz, Ver., Mexico.

112. Cervantes, H.M., 2015. Novel Reoviruses of Poultry. Proc. Broiler and Turkey Health Management School. May 4, Animal Disease Diagnostic Laboratory, Reynoldsburg, Ohio.

111. Cervantes, H.M., 2015. Challenges in Antibiotic-free Poultry Production. XL Annual Convention of ANECA. April 29 – May 2, Hotel Dorado Royale, Riviera Maya, Mexico.

110. Cervantes, H.M., 2014. Antimicrobial resistance from the Poultry Industry's perspective. 118<sup>th</sup> United States Animal Health Association's Annual Meeting. Food Safety Committee's Symposium on Antimicrobial Resistance. Sunday, October 19. Liberty Room, Westin Hotel at Crown Center, Kansas City, Missouri.

109. Cervantes, H.M., 2014. Managing drug residues at the farm and the processing plant. III International Seminar of the Latin American Poultry Association and the Peruvian Poultry Association. "Centro de Exposiciones y Eventos El Vivero, Av. El Derby s/n Alt. Puerta 3 y 4 del Jockey Club", September 1-3, Lima, Peru.

108. Cervantes, H.M., 2014. Field Perspectives in Disease Investigation. 2014 Turkey and Broiler Health Management School, Hampton Inn & Suites, May 5-6, Columbia, Missouri.

107. Cervantes, H.M., 2013. A Day in the Life of a Poultry Veterinarian. Chattahoochee River Valley Poultry Association, December 16, Cowetta County Fairgrounds.

106. Cervantes, H.M., 2013. The Antibiotic Resistance Debate. November 20. Conference Room, Manitoba Agriculture, Food and Rural Development, University of Manitoba, Winnipeg, Manitoba.
105. Cervantes, H.M., 2013. Sulfonamide Therapy in Poultry. Proc. 36<sup>th</sup> Annual North Carolina Turkey Industry Days. October 2, Best Western Plus Coastline Inn, Wilmington, North Carolina.
104. Cervantes, H.M., 2013. Maintaining Gut Health and Integrity to Improve Performance. Proc. Turkey and Broiler Health Management School. Kellogg Hotel and Conference Center at Michigan State University, East Lansing, Michigan.
103. Cervantes, H.M., 2013. Global Trends in Antimicrobial Resistance. Proc. XXXVIII Annual ANECA Convention, May 2nd, Azul Ixtapa Hotel, Ixtapa-Zihuatanejo, Guerrero, Mexico.
102. Cervantes, H.M., 2013. Effective Medication and Proper Use of Antibiotics. Proc. University of Minnesota Turkey Health School, April 9-10, Radisson Hotel, Roseville, Minnesota.
101. Cervantes, H.M., 2013. Controlling Coccidiosis in Broilers. Broiler Production Workshop. Proc. Midwest Poultry Federation Convention, March 13, Saint Paul River Centre, Saint Paul, Minnesota.
100. Cervantes, H.M., 2012. Sulfonamide Use in Poultry. 17<sup>th</sup> North Carolina Veterinary Conference, November 2-4, Raleigh Convention Center, Raleigh, North Carolina.
99. Cervantes, H.M., 2012. Antibiotic Use in Poultry Production: Past, Present and Future. Proc. V Latin American Animal Nutrition Congress, October 23-26, Puerto Vallarta Convention Center, Puerto Vallarta, Jalisco, Mexico.
98. Cervantes, H.M., 2012. The Future of Antibiotics in Poultry production. In Proc. of the XXIV World's Poultry Congress, August 5 – 9, Bahia Convention Center, Salvador, Bahia, Brasil.
97. Cervantes, H.M., 2012. The Future of Antibiotics in Food-Animal Production. AMEVEA Argentina intensive short course. June 11-15, Poultry Diagnostic & Research Center, College of Veterinary Medicine, Athens, Georgia.
96. Cervantes, H.M., 2012. Field Perspectives on Broiler Diseases across the U.S. Proc. XI Turkey & Broiler Health Management School. June 4-5, Ameche Ballroom, Best Western Plus Inn Towner, Madison, Wisconsin.
95. Cervantes, H.M., 2012. The Future of Antibiotics in Food Animal Production. Dept. Seminar. May 16, Dept. of Animal Science, Pennsylvania State University, State College, Pennsylvania.

94. Cervantes, H.M., 2012. Controlling Coccidiosis in Poultry. Poultry Management and Health Seminar, May 14, Eden Resorts and Suites, Lancaster, Pennsylvania.
93. Cervantes, H.M., 2012. Recent FDA-CVM Proposals Impacting the Future Use of Medically Important Antimicrobials in Food-producing Animals. Panel on "Antibiotics: Benefits and Limitations", XXXVII Annual Convention of ANECA, May 4, Sheraton Bugambillas, Puerto Vallarta, Jalisco, Mexico.
92. Cervantes, H.M., 2012. Antimicrobial Use in Poultry Production. National Institute for Animal Agriculture Annual Meeting, Antibiotic Council Meeting, March 27, Renaissance Denver Hotel, Denver, Colorado.
91. Cervantes, H.M., 2011. Industry Perspective on FDA's Guide for Industry # 209: The Judicious Use of Medically Important Antimicrobials in Food-producing Animals. North Carolina Veterinary Conference, Poultry Health Meeting, November 4, Raleigh Convention Center, Raleigh, North Carolina.
90. Cervantes, H.M., 2011. Antibiotic Use in Food Animal Production: Poultry. National Institute for Animal Agriculture Symposium "Antibiotic Use in Food Animals: A Dialogue for Common Purpose", October 26-27, Intercontinental Hotel, Rosemont, Illinois.
89. Cervantes, H.M., 2011. Benefits of Antibiotic Use in Commercial Poultry Production. Proc. 46<sup>th</sup> National Meeting on Poultry Health and Processing, October 11-13, Clarion Fountainebleu, Ocean City, Maryland.
88. Cervantes, H.M., 2011. Anticoccidial Drug Successes. Proc. Coccidiosis Symposium, Annual Joint Meeting of the American Association of Avian Pathologists and the Poultry Science Association, July 16 - 19, America's Center, St. Louis, Missouri. *Poult. Sci.* 90, E-suppl. 1, p. 66.
87. Cervantes, H.M., 2011. Benefits of antibiotic use in animal agriculture. Proc. Symposium on Current Regulatory Status and Use of Antibiotics in the Poultry Industry, Annual Joint Meeting of the American Association of Avian Pathologists and the Poultry Science Association. America's Center, July 17, St. Louis, Missouri. *Poult. Sci.* 90, E-suppl. 1, p. 66.
86. Cervantes, H.M., 2011. The future of antimicrobials in animal production. Proc. FACTA Conference, FACTA - APINCO Foundation for Poultry Science and Technology, May 31 - June 2, Mendes Convention Center, Santos, Sao Paulo, Brazil.
85. Cervantes, H.M., 2011. Field Perspectives in Broiler Production. Proc. 10<sup>th</sup> Turkey and Broiler Health Management School, May 9 & 10, Purdue University, Lynn Hall of Veterinary Medicine, West Lafayette, Indiana.
84. Cervantes, H.M., 2011. Intestinal Integrity. Proc. XXXVI ANECA Annual Convention, April 28 - May 1, Ixtapa, Guerrero, Mexico.

83. Cervantes, H.M., 2011. Industry's Take on FDA's New Guide "The Judicious Use of Medically Important Antimicrobials in Food-Producing Animals", Symposium on Contemporary Issues in Poultry Health, Welfare and Food Safety. Proc. 62<sup>nd</sup> North Central Avian Disease Conference, March 14-15, St. Paul River Centre, St. Paul, Minnesota.
82. Cervantes, H.M., 2011. Evaluation and diagnosis of chick quality. XVII Jornadas Avicolas "Jose Antonio Quintana Lopez", February 17, Pablo Zierold Reyes Auditorium, College of Veterinary Medicine, National and Autonomous University of Mexico.
81. Cervantes, H.M., 2010. Proper Use of Antibiotics. Proc. Turkey Industry Days Conference, October 6-7, Best Western Coastline Inn, Wilmington, North Carolina.
80. Cervantes, H.M., 2010. Evaluation and diagnosis of day-old chick quality. Proc. XII International Avian Pathology and Production Seminar. April 26-30, University of Georgia Continuing Education Center, Athens, Georgia.
79. Cervantes, H.M., 2010. The Future of Antibiotics in Food Animal Production. Proc. Midwest Poultry Federation Convention, March 16-18, Saint Paul River Center, Saint Paul, Minnesota.
78. Cervantes, H.M., 2009. The Future of Antibiotics in Food Animal Production, Poultry Service Industry Workshop, September 30, Banff Center, Alberta, Canada.
77. Cervantes, H.M., 2009. The Use of Antibiotics and Its Future in Food Animal Production, XXXIV Annual ANECA Convention, August 15, Fairmont Hotel, Acapulco, Guerrero, Mexico.
76. Cervantes, H.M., 2008. Antibiotic Resistance and the Future of Antibiotics in Food Animal Production. XXXV Annual Meeting of the Northwest Association of Avian Pathologists and Scientists (APYZAN), November 22, San Carlos Plaza Hotel and Resort, San Carlos - Nuevo Guaymas, Sonora, Mexico.
75. Cervantes, H.M., 2008. Malabsorption and Stunting Syndrome of Poultry. Proc. XX Central American and Caribbean Poultry Congress, Crowne Plaza Hotel, Managua, Nicaragua, August 23-25.
74. Cervantes, H.M., 2008. Malabsorption and Stunting Syndrome of Poultry. Proc. XII National Poultry Congress, May 28-30, Marriott Hotel, San Jose, Costa Rica.
73. Cervantes, H.M., 2008. The Antibiotic Resistance Controversy. Turkey and Broiler Health Management School, April 28-29, J.F. Friedrich Inn and Conference Center, University of Wisconsin, Madison, Wisconsin.

72. Cervantes, H.M., 2008. Coccidiosis Control. North Carolina Broiler Supervisors' Short-Course, April 17, Ernest and Ruby McSwain Extension Education and Agriculture Center, Sanford, North Carolina.
71. Cervantes, H.M., 2007. Antibiotic Feed Additives: Politics and Science. Proc. U.S. Poultry and Egg Association Poultry Production and Health Seminar, September 19-20, Memphis Marriott Downtown Hotel, Memphis, TN.
70. Cervantes, H.M., 2007. Antimicrobial Use In Poultry Production. Get Smart on the Farm Conference, May 31. Centers for Disease Control and Prevention, Atlanta, Georgia.
69. Cervantes, H.M., 2007. Assessing the Results of the European Union Ban on Antibiotic Feed Additives. Proc. California Nutrition Conference, May 9-10, Fresno, California, pp. 30-38.
68. Cervantes, H.M., 2007. Field Perspectives In Disease Investigation. The Runting and Stunting Syndrome of Broilers. 6<sup>th</sup> Turkey & Broiler Health Management School. Nutrition & Health. May 7-8. Purdue University, West Lafayette, Indiana.
67. Cervantes, H.M., 2007. Field Perspectives in Broiler Production, and The Runting and Stunting Syndrome of Broilers. Turkey and Broiler Health Management School, May 7, Purdue University, West Lafayette, Indiana.
66. Cervantes, H.M., 2006. Hatch Progression and Its Relationship to Chick Quality. Proc. of the XI National Poultry Congress, May 24-26, Marriott Hotel, San Jose, Costa Rica.
65. Cervantes, H.M., 2006. Incidence of Pathological Conditions in Clinically Normal Broilers of the United States of America. Proc. of the XI National Poultry Congress, May 24-26, Marriott Hotel, San Jose, Costa Rica.
64. Cervantes, H.M., 2006. Assessing The Results of The European Union Ban on Antibiotic Feed Additives. Proc. of the XXXI Annual Convention of the ANECA, April 26-29, Ixtapa-Zihuatanejo, Gro., Mexico.
63. Cervantes, H.M., 2006. Assessing the results of the European Union ban on antibiotic feed additives. Live Production/Turkey Health Workshop, Annual Convention of the National Turkey Federation, February 11, Royal Pacific Northwest Resort, Orlando, Florida.
62. Cervantes, H.M., 2005. Assessing The Results of The European Union Ban on Antibiotic Feed Additives. North Carolina Veterinary Conference, Poultry Veterinarians Meeting, Sand Hills Room, November 4, Sheraton Imperial Hotel and Convention Center, Research Triangle Park, N.C.

61. Cervantes, H.M., 2005. Assessing The Results of The European Union Ban on Antibiotic Feed Additives. Proc. 32<sup>nd</sup> Carolina Poultry Nutrition Conference, October 26-27, Sheraton Imperial Hotel and Convention Center, Research Triangle Park, N.C., pp. 38-45.
60. Cervantes, H.M., 2005. A Review of Poultry Antibiotic Feed Additives. Department of Poultry Science Fall Seminar, October 10, Poultry Science Building, University of Georgia, Athens, Georgia.
59. Cervantes, H.M., 2004. Field Perspectives in Broiler Diseases Across the U.S., and The Antibiotic Resistance Controversy. Proc. of the Turkey and Broiler Health Management School, May 19-20, College of Veterinary Medicine, University of Wisconsin, Madison, Wisconsin.
58. Cervantes, H.M., 2004. Why Responsible Antibiotic Use Enhances Animal and Human Health, Midwest Poultry Federation Convention, March 16-18, River Centre, St. Paul, Minnesota. pp. 201-210.
57. Cervantes, H.M., 2004. The Debate About Antibiotic Use in Food Animals. Live Production Workshop, Annual Meeting of the National Turkey Federation, February 8-11, Westin Savannah Harbor Resort, Savannah, Georgia.
56. Cervantes, H.M., 2003. The Debate About Antibiotic Use in Food Animals: The Science vs. The Politics. Proc. 2003 Poultry Producer Updates, October 28 & 29, University of Guelph Arboretum Centre, Guelph, Ontario, Canada.
55. Cervantes, H.M., 2003. Effect of Loading and Hauling on Pathogen Shedding. Round-Table: In the Search for Top Efficiency in Poultry Processing Plants. XVIII Latin American Poultry Congress, October 8, Santa Cruz, Bolivia.
54. Cervantes, H.M., 2003. Feeding Strategies to Reduce Malabsorption and Enteric Disorders in Poultry. Proc. of the Multi-State Feeding and Nutrition Conference, May 20-22, Marriott Hotel, Indianapolis, Indiana.
53. Cervantes, H.M., 2002. The antibiotic resistance debate: An industry perspective on the use of Virginiamycin in poultry and livestock. Proc. of the Annual Meeting of the Salmonella Committee of United States Animal Health Association, Jefferson A Room, October 20<sup>th</sup>, Four Points Sheraton Downton, St. Louis, Missouri.
52. Cervantes, H.M., 2002. Correlation Between Chick Quality and Salmonella Control Programs, II Seminar of Poultry Health, Insuveca – Biomune, June 20, Pipo International Hotel, Maracay, Venezuela.
51. Cervantes, H.M., 2002. Field Evaluation of Polyvalent Inactivated Vaccines for Broiler Breeders, II Seminar of Poultry Health, Insuveca – Biomune, June 20, Pipo International Hotel, Maracay, Venezuela.



50. Cervantes, H.M., 2002. Field Perspectives in Disease Investigation, Broiler Health Management School, May 8-9, Goss Laboratory - The Ohio State University, Columbus, Ohio.
49. Cervantes, H.M., 2001. Antimicrobial Resistance: Science vs. Politics. November 8<sup>th</sup>, Virginia & Maryland Regional College of Veterinary Medicine, University of Maryland, College Park, Maryland.
48. Cervantes, H.M., 2001. A Hatchery Program to Enhance Chick Quality. Proc. 2001 North Carolina Broiler Breeder and Hatchery Management Conference. October 31-November 1, Iredell County Agricultural and Resource Center, Statesville, North Carolina.
47. Cervantes, H.M., 2001. The Antibiotic Debate: The Science vs. The Politics. Veterinary Extension Seminar, April 12<sup>th</sup>, Center of Excellence for Poultry Science, University of Arkansas, Fayetteville, Arkansas.
46. Cervantes, H.M., 2000. The Antibiotic Debate: Scientific and Political Issues Departmental Seminar, October 9<sup>th</sup>, Department of Avian Medicine, College of Veterinary Medicine, University of Georgia, Athens, Georgia.
45. Cervantes, H.M., 2000. Recent trends in broiler condemnations. Departmental Seminar, October 2<sup>nd</sup>, Department of Poultry Science, University of Georgia, Athens, Georgia.
44. Cervantes, H.M., 2000. Live Production Impacts on Broiler Condemnations. Proc. Texas Broiler Symposium, September 27<sup>th</sup>-28<sup>th</sup>, Freidonia Hotel, Nacogdoches, Texas.
43. Cervantes, H.M., 2000. The Antibiotic Debate: Scientific and Political Issues, Departmental Seminar, September 11<sup>th</sup>, Department of Poultry Science, Auburn University, Auburn, Alabama.
42. Cervantes, H.M., 2000. The Antibiotic Debate: The Science versus The Politics. Georgia Poultry Nutrition Roundtable, June 23<sup>rd</sup>, Poultry Research Center, The University of Georgia.
41. Cervantes, H.M., 2000. Trends in Broiler Condemnations. Proc. 2000 Poultry Processor Workshop, U.S. Poultry and Egg Association, May 17-18, Marriott Marquis Hotel, Atlanta, Georgia.
40. Cervantes, H.M., 2000. Virginiamycin's Current World Status. Proc. XXV ANECA Meeting, May 3-6, Cancun Convention Center, Cancun, Mexico. pp. 74-80.
39. Cervantes, H.M., 2000. Coccidiosis Control in Broiler Chickens and Broiler Breeders. XXV ANECA Meeting, May 3-6, Cancun Convention Center, Cancun, Mexico.
38. Cervantes, H.M., 1999. Salmonella: Controlling the Problem. Proc. El Foro 99, July 19-21, Inter-Continental Hotel, Miami, Florida. pp. 63-75.

37. Cervantes, H.M., 1988. Broiler Condemnations: Trends, Causes and Solutions, IX International Seminar of Avian Pathology, May 25-29, Georgia Center for Continuing Education, University of Georgia, Athens, Georgia.
36. Cervantes, H.M., 1998. Semduramicin nutritional studies: Dietary electrolytes, Venezuelan Poultry Congress, May 20-22, Sheraton Hotel, La Guaira, Venezuela.
35. Cervantes, H.M., 1988. Salmonella Control in Broiler Breeders and their Progeny. Venezuelan Poultry Congress, May 20-22, Sheraton Hotel, La Guaira, Venezuela.
34. Cervantes, H.M., 1998. Managing Gangrenous Dermatitis. Poultry Supervisors' Short-Course, April 28, McKinnon Center, North Carolina State University, Raleigh, North Carolina.
33. Cervantes, H.M., 1997. Managing Gangrenous Dermatitis. Proc. 29th Texas Broiler Symposium, Fredonia Hotel, Nacogdoches, Texas.
32. Cervantes, H.M., 1997. Stafac - A Research Update on Virginiamycin's Nutrient Sparing Effects in Broilers. Proc. Pfizer Animal Health Pacesetter Conference, Atlanta Hilton Towers Hotel, Atlanta, Georgia. pp. 5-14.
31. Cervantes, H.M., 1996. Measuring Poult Quality. Arkansas Poultry Symposium, April 10-11, Holiday Inn Hotel, Springdale, Arkansas.
30. Cervantes, H.M., 1995. Assessing Chick Quality. 61st. Annual Convention, Arkansas Farm Bureau, Nov. 29 - Dec. 1st., Statehouse Convention Center Complex, Little Rock, Arkansas.
29. Cervantes, H.M., 1995. Field Evaluation of Polyvalent Inactivated Vaccines for Broiler Breeders, Annual Meeting of the Ordre des medecins veterinaires du Quebec, September 21-23, Clarion Hotel, Hull (Quebec), Canada.
28. Cervantes, H.M., 1995. Quantification of the Chicks Quality, Annual Meeting of the Ordre des medecins veterinaires du Quebec, September 21-23, Clarion Hotel, Hull (Quebec), Canada.
27. Cervantes, H.M., 1995. Evaluation of Layer/Breeder Vaccination Programs, Workshop on Proper Vaccination Techniques and Evaluation, Minneapolis/St. Paul Hilton Hotel, September 16.
26. Cervantes, H.M., 1995. Farm Vaccination - Water Method, Workshop on Proper Vaccination Techniques and Evaluation, Minneapolis/St. Paul Hilton Hotel, September 16.
25. Cervantes, H.M., 1995. Evaluation and Management of Respiratory Diseases in Broilers, Peruvian National Poultry Congress, August 23-26, Arequipa, Peru.

24. Cervantes, H.M., 1995. Standarization of Chick Quality Evaluations, Peruvian National Poultry Congress, August 23-26, Arequipa, Peru.
23. Cervantes, H.M., 1995. Salmonella Control Programs for Broiler Breeders and Broilers, *Salmonella enteritidis* Symposium, May 16, Los Tajibos Hotel, Santa Cruz, Bolivia.
22. Cervantes, H.M., 1995. Health Monitoring Programs for Broiler Breeders. II Avian Technical Seminar, May 17-19, Fairgrounds Auditorium, Santa Cruz, Bolivia.
21. Cervantes, H.M., 1995. Field Evaluation of Inactivated Vaccines for Broiler Breeders. II Avian Technical Seminar, May 17-19, Fairgrounds Auditorium, Santa Cruz, Bolivia.
20. Cervantes, H.M., 1995. Understanding and Managing Chick Quality: Correlation Between Chick Quality and Performance, and Brooding Management Factors to Optimize Performance. Poultry Supervisor's Short Course, April 25, McKinnon Center, North Carolina State University, Raleigh, North Carolina.
19. Cervantes, H.M., 1995. Field Evaluation of Commercial Polyvalent Inactivated Vaccines. IDEXX International Poultry Exhibition Seminar, January 18, Georgia World Congress Center, Atlanta, Georgia.
18. Cervantes, H.M., 1994. A Comparison of Inactivated Polyvalent Viral Vaccines for Broiler Breeders. I Primary Breeder Symposium, National Poultry Producers Association, October 20-22, Zacatecas Hotel, Zacatecas, Mexico.
17. Cervantes, H.M., 1994. Inactivated Vaccines for Broiler Breeders...A Field Trial. Southeastern Poultry and Egg Association Hatchery-Breeder and Flock Management Clinic, July 19-20, Sheraton Colony Square Hotel, Atlanta, Georgia.
16. Cervantes, H.M., 1994. A Comparison of Polyvalent Inactivated Viral Vaccines for Broiler Breeders. I Primary Breeder Symposium, National Poultry Producers Association, October 20-22, Zacatecas Hotel, Zacatecas, Mexico
15. Cervantes, H.M., 1994. Avian health programs in broiler breeders: Quantifying quality, International Seminar on Avian Pathology, June 6-10, Georgia Center for Continuing Education, University of Georgia, Athens, Georgia, pp. 111-128.
14. Cervantes, H.M., 1994. Salmonella control in broiler breeders and their progeny, International Seminar on Avian Pathology, June 6-10, Georgia Center for Continuing Education, University of Georgia, Athens, Georgia, pp. 391-415.
13. Cervantes, H.M., 1994. Chick Quality. Virginia Poultry Health and Management Seminar, April 12-13, Sheraton Airport Inn, Roanoke, Virginia.

12. Cervantes, H.M., 1994. Methods to Evaluate Chick Quality. Proc. III Broiler Breeder Health and Management Seminar, ANECA, March 24-25, Royal Pedregal Hotel, Mexico City, Mexico, pp. 48-58.
11. Cervantes, H.M. and R.P. Reddy, 1994. Management of the Peterson Male. Proc. II Broiler Breeder Health and Management Seminar, ANECA, March 24-25, Royal Pedregal Hotel, Mexico City, Mexico, pp. 87-101.
10. Cervantes, H.M., 1994. Assessment of Chick and Poult Quality. 43rd. Western Poultry Disease Conference, February 27-28 and March 1, Capitol Plaza Holiday Inn, Sacramento, California.
9. Cervantes, H.M., 1994. New Assessment for Poult Quality. Midwest Poultry Federation Convention, February 16-19, Minneapolis Convention Center, Minneapolis, Minnesota.
8. Cervantes, H.M., 1993. Salmonella Control in Broiler Breeders. 30th Annual Convention, Association of Avian Pathologists of Northwest Mexico, November 12-13, Nainari Hotel, Ciudad Obregon, Sonora, Mexico.
7. Cervantes, H.M., 1993. Factors Influencing Chick Quality. Solvay Animal Health, Chicken Health Short Course, October 5, Charles City, Iowa.
6. Cervantes, H.M., 1993. Chick Quality Measurement, Georgia Poultry Conference, October 5-6, The Georgia Mountains Center, Gainesville, Georgia, pp. 40-50.
5. Cervantes, H.M., 1993. A New Assessment of Chick Quality, Annual Convention, Missouri Poultry Federation, September 21-22, Ramada Hotel, Springfield, Missouri.
4. Cervantes, H.M., 1993. A New Formula for Chick Quality. Southeastern Poultry and Egg Association Hatchery-Breeder Flock Management Clinic, July 20-21, Atlanta Hilton Hotel, Atlanta, Georgia.
3. Cervantes, H.M., 1993. Salmonella Control in Broiler Breeders. First Annual Seminar on Broiler Breeder Health and Management. Gallina Pesada, SA de CV, May 27-28 Camino Real Hotel, Saltillo, Coahuila, Mexico.
2. Cervantes, H.M., 1993. A New System for Evaluating Chick Quality. The International Poultry Exposition, Broiler Program, January 20-22, World Congress Center, Atlanta, Georgia.
1. Cervantes, H.M., 1990. Salinomycin: Market Share and Field Efficacy World-Wide. Pfizer's Symposium on New Feed Mixing Technology for the Poultry Industry, March 21-22, Caracas Hilton Hotel, Caracas, Venezuela.

**PRESENTATIONS OR ABSTRACTS AT MEETINGS**

64. Cervantes, H.M., 2023. Interpreting OPGs: Mission Impossible? Proc. 72<sup>nd</sup> Western Poultry Disease Conference, March 14, Holiday Inn Capitol Plaza, Sacramento, California.
63. Cervantes, H.M., 2021. Obtaining the most Benefit from an Anticoccidial Sensitivity Test (AST). Presented virtually on March 15<sup>th</sup>. Proc. 70<sup>th</sup> Western Poultry Disease Conference, p. 27-30.
62. Cervantes, H.M., 2019. Anticoccidial Sensitivity Tests (ASTs): The Do's and Dont's. Proc. Annual Convention of the American Association of Avian Pathologists. Sunday, August 4, Renaissance Ballroom West, Renaissance Downton Hotel, Washington, D.C.
61. Cervantes, H.M., 2018. Farm Interventions to Control Necrotic Enteritis. 61<sup>st</sup> Annual Convention of the American Association of Avian Pathologists, Colorado Convention Center, Denver, Colorado. NOTE: In lieu of presentation by Vinicious, Lima (Salmonella section, Monday, July 16, Room Four Seasons 4, 8:30 – 8:45) who was unable to attend.
60. Cervantes, H.M., 2018. Programs to Control Salmonella in the USA. Proc. 67<sup>th</sup> Western Poultry Disease Conference, April 16-18, Salt Lake City Marriott City Center, Salt Lake City, Utah.
59. Cervantes, H.M., 2016. Antimicrobial Resistance: Clues Policy Changes Won't Affect the Outcome. Proc. Annual Convention of the American Association of Avian Pathologists. Monday, August 8, Room 221 CD, Henry B. Gonzalez Convention Center, San Antonio, Texas.
58. Cervantes, H.M., 2016. Antibiotics: New Use Policies Won't Change the Outcome. Proc. 105<sup>th</sup> Annual Meeting, Poultry Science Association. Thursday, July 14, Belle Chasse Room, Hilton New Orleans Riverside Hotel, New Orleans, Louisiana.
57. Cervantes, H.M., 2016. Antibiotics: Policy Changes Won't Make a Difference. Proc. 65<sup>th</sup> Western Poultry Disease Conference, April 25 – 27, Vancouver Marriott Downtown Hotel, Vancouver, British Columbia, Canada.
56. Cervantes, H.M., 2016. Effects of virginiamycin and/or a phytogenic feed additive on performance and intestinal health of broiler chickens. Proc. North Central Avian Disease Conference, Saint Paul River Centre, Saint Paul, Minnesota, p. 11.
55. Cervantes, H.M., 2015. Nicarbazin sensitivity of Eimeria spp. From commercial chickens in the USA from 2004 to 2014. 104<sup>th</sup> Annual Meeting, Poultry Science Association, July 27 – 30, Galt House Hotel, Louisville, Kentucky.
54. Cervantes, H.M., 2015. Antimicrobial Resistance: What have we learned from the Danish experience? American Association of Avian Pathologists Annual Convention, July 11 – 14, Boston Convention Center, Boston, Massachusetts.

53. Cervantes, H.M., K.W. Bafundo, S. Christenberry, J. Ruiz and G.F. Mathis, 2015. Assessment of Changes in Sensitivity of *Coccidia* to Nicarbazin. In Proc. 64<sup>th</sup> Western Poultry Disease Conference, March 23 – 25, Holiday Inn Capitol Plaza, Sacramento, California.
52. Cervantes, H.M., 2015. Individual and Combined Effects of Virginiamycin and a Xylanase on Broiler Performance and Intestinal Health. Proc. North Central Avian Disease Conference, Saint Paul River Centre, March 16 – 17, Saint Paul, Minnesota.
51. Cervantes, H.M., M.S. Franca, D.T. Elmore, G.M. Pesti and K.W. Bafundo, 2014. Effects of virginiamycin and/or a xylanase on performance and intestinal health of broiler chickens (abstr. 105). Symposium on Gut health in Production of Food Animals, November 10-12, 2014. St. Louis, Missouri. Program and abstracts, pp. 13-14.
50. Cervantes, H.M., 2014. A poultry veterinarian's perspective on antimicrobial resistance: Revisiting NARMS data. Proc. Annual Meeting, American Association of Avian Pathologists, July 26 - 29, Colorado Convention Center, Denver, Colorado.
49. Cervantes, H.M., 2014. Intestinal lesion scoring techniques for coccidiosis in chickens: Re-examining Johnson and Reid. Proc. Annual Meeting, Poultry Science Association, July 14 - 17, Riviera 3, 4, 5, Holiday Inn, Corpus Christi, Texas.
48. Cervantes, H.M., K.W. Bafundo and S. Christenberry, 2014. Trends in nicarbazin sensitivity of *Eimeria* isolates during the past decade. Proc. Annual Meeting, Poultry Science Association, July 14 - 17, Riviera 3, 4, 5, Holiday Inn, Corpus Christi, Texas.
47. Cervantes, H.M., 2014. Revisiting the Johnson and Reid intestinal lesion scoring method for coccidiosis. Proc. 63rd Western Poultry Disease Conference and XXXIX ANECA Annual Convention, Sheraton Bugambillas Resort, Puerto Vallarta, Jalisco, Mexico.
46. Cervantes, H.M., 2014. Salmonella control programs in the USA. Proc. 56<sup>th</sup> North Central Avian Disease Conference, St. Paul River Centre, March 17-18, p. 11.
45. Cervantes, H.M., 2013. Revisiting intestinal lesion scoring techniques for coccidiosis. Proc. 150th Annual Meeting of the American Veterinary Medical Association, July 21, McCormick Place, Room W196A, Chicago, Illinois.
44. Cervantes, H.M., 2012. Sulfonamides as prophylactic and therapeutic agents for poultry. Proc. 61st Western Poultry Disease Conference, April 3, Double Tree Resort by Hilton Paradise Valley, Scottsdale, Arizona.
43. Cervantes, H.M., 2011. Maximizing desired outcomes for therapeutic antimicrobials. Proc. Annual Joint Meeting of the American Association of Avian Pathologists and the Poultry Science Association. July 17, America's Center, St. Louis, Missouri.

42. Cervantes, H.M., 2011. Proper use of therapeutic antimicrobials in poultry. Proc. 60th Western Poultry Disease Conference, March 21, Holiday Inn Capitol Plaza, Sacramento, California.
41. Cervantes, H.M., K.W. Bafundo, M.Y. Shim, S.E. Hooper, and G.M. Pesti, 2010. The effect of virginiamycin on live and processing performance parameters of Nicholas turkey hens. March 15-16, Saint Paul River Centre, Saint Paul, Minnesota.
40. Cervantes, H.M., K.W. Bafundo, M.Y. Shim, S.E. Hooper, and G.M. Pesti, 2010. The influence of virginiamycin on the live and processing performance of Nicholas turkey hens. Abstracts, International Poultry Scientific Forum, 31<sup>st</sup> Annual Meeting of The Southern Poultry Science Society, January 25-26, Georgia World Congress Center, Atlanta, Georgia, p. 5.
39. Cervantes, H.M., K. Bafundo, P. Davis and G. Mathis, 2007. Sensitivity and flock performance comparison of Nicarbazin-containing anticoccidials. Proc. of the Fifty-Sixth Western Poultry Disease Conference, March 26-29, Riviera Hotel & Casino, Las Vegas, Nevada, pp. 20-23.
38. Bafundo, K.W. and H.M. Cervantes, 2006. An Update on Antibiotic Use in Animals and Apparent Risks to Man: Lessons from the E.U. Experience. Proc. of the Multi-State Poultry Feeding and Nutrition Conference, Indianapolis, Indiana.
37. Cervantes, H.M., 2006. Lessons learned from the European Union ban on antibiotic feed additives. Proc. of the 55<sup>th</sup> Western Poultry Disease Conference, March 5-8, Sacramento, California, pp. 69-73.
36. Mathis, G.F. and H.M. Cervantes, 2005. Current amprolium anticoccidial sensitivity status of turkey and chicken coccidial field isolates. Proc. 54<sup>th</sup> Western Poultry Disease Conference, April 25-27, Vancouver, B.C., Canada, pp. 22-24.
35. K. Bafundo, H.M. Cervantes and P. Davis, 2005. Coccidiosis sensitivity to chemical compounds in the Southeastern United States. Proc. 54<sup>th</sup> Western Poultry Disease Conference, April 25-27, Vancouver, B.C., Canada, pp. 19-20.
34. Cervantes, H.M., 2004. The debate about antibiotic use in food animals: The science vs. the politics. Proc. 53<sup>rd</sup> Western Poultry Disease Conference, March 7-9, Holiday Inn Capitol Plaza, Sacramento, California, pp.
33. Cervantes, H.M., 2003. Comparative incidence of pathological incidence in clinically normal broiler chickens from 3 regions of the USA. Poultry Science Association, 92<sup>nd</sup> Annual Meeting, Monona Terrace Convention Center, Madison, Wisconsin. Poultry Sci., Vol. 82: Suppl. 1: 43 (abstract # 179).

32. Cervantes, H.M., 2003. The Antibiotic Resistance Debate: An Industry Perspective on the Use of Virginiamycin (Stafac) in Poultry. Proc. 52<sup>nd</sup> Western Poultry Disease Conference, March 8-11, Holiday Inn Capitol Plaza, Sacramento, California. pp. 63-67.
31. Cervantes, H.M., K.W. Bafundo, P.E. Ewing, G.M. Pesti and R.I. Bakalli 2002. Dietary supplementation with Virginiamycin or phytase improves phosphorus utilization in broiler chicks. 91<sup>st</sup> Annual Meeting of the Poultry Science Association, August 11-14, University of Delaware, Newark, Delaware. Poultry Sci., Vol. 81: Supp. 1: 12-13 (abstract # 50).
30. Cervantes, H.M., 2002. Incidence of pathological conditions in clinically normal broilers from different regions of the USA. Fifty first Western Poultry Disease Conference, May 1-4, Casa Magna Marriott Resort, Puerto Vallarta, Jalisco, Mexico, pp. 220-223.
29. Cervantes, H.M., K.W. Bafundo, P.E. Ewing, G.M. Pesti and R.I. Bakalli, 2002. Effect of Dietary Supplementation with Virginiamycin or Phytase on Phosphorus Utilization in Broiler Chickens, International Poultry Scientific Forum, January 14-15, Georgia World Congress Center, Atlanta, Georgia. Poultry Sci., Supp. 1:150-151 (abstract # 177).
28. Cervantes, H.M., 2001. Observations on hatch progression and chick quality. Proc. 50<sup>th</sup> Western Poultry Disease Conference, March 24-26, University of California Davis, California, p. 54.
27. Cervantes, H.M., 2000. Recent trends in broiler condemnations. 89<sup>th</sup> Annual Meeting Poultry Science Association, August 18-20, *Palais des Congres*, Montreal, Quebec, Canada.
26. Pesti, G.M., R.I. Bakalli, H.M. Cervantes and K.W. Bafundo, 1999. Influence of withdrawal time on the performance of broiler chickens fed semduramicin (Aviax). 88<sup>th</sup> Annual Meeting Poultry Science Association, August 8-11, Convention Center, Springdale, Arkansas. Poultry Sci. 78: (Suppl. 1), 53.
25. Cervantes, H.M., 1999. A decade of trends in broiler condemnations. Proc. 48<sup>th</sup> Western Poultry Disease Conference, April 24-27, Landmark Hotel and Conference Centre, Vancouver, British Columbia, Canada.
24. Pesti, G.M., R.I. Bakalli, H.M. Cervantes and K.W. Bafundo, 1998. Optimal dietary methionine levels for broiler chickens fed semduramicin. Annual Meeting, Poultry Science Association, August 2-5, Pennsylvania State University, University Park, Pennsylvania. Poultry Sci. 77:(Suppl.1), 103.
23. Pesti, G. M., R.I. Bakalli, H.M. Cervantes, K.W. Bafundo and M. Garcia, 1998. Influence of semduramicin on the sodium requirement of broilers. Proc. 47<sup>th</sup> Western Poultry Disease Conference, March 8-10, Capitol Plaza Holiday Inn, Sacramento, California.



22. Pesti, G.M., R.I. Bakalli and H.M. Cervantes, 1998. Influence of dietary electrolyte levels on the performance of broiler chickens fed semduramicin. XIX Annual Meeting, Southern Poultry Science Society, January 19-20, World Congress Center, Atlanta, Georgia. Poultry Sci.
21. Pesti, G.M., R.I. Bakalli and H.M. Cervantes, 1997. Influence of dietary protein and methionine levels on the performance of broiler chickens fed semduramicin. 86th Annual Meeting of the Poultry Science Association, August 3-6, University of Georgia, Athens, Georgia. Poultry Sci. 76:(Suppl. 1), 64.
20. Cervantes, H.M., S.H. Fitz-Coy, J.A. Smith and G.N. Rowland, 1997. Correlation between gross lesion scores, oocyst counts, and microscopic lesion scores for the diagnosis of coccidiosis in commercial broiler chickens. 134th Annual Meeting of the American Veterinary Medical Association, July 19-24, Nugget Hotel, Reno, Nevada, p. 168.
19. Pesti, G.M., R.I. Bakalli, H.M. Cervantes and K. Bafundo, 1997. Effect of dietary electrolyte balance on the performance of broiler chickens fed semduramicin. XVIII Annual Meeting, Southern Poultry Science Society, January 20-21, World Congress Center, Atlanta, Georgia. Poultry Sci. 76:(Suppl. 1),108.
18. Cervantes, H.M., T.S. Cummings, P. Davis and D. Karunakaran, 1996. Commercial studies with semduramicin (Aviax) a new polyether ionophore. 133rd Annual Meeting of the American Veterinary Medical Association, July 20-24, Convention Center, Louisville, Kentucky, J.A.V.M.A., 209 (2): 400.
17. Pesti, G.M., R.I. Bakalli and H.M. Cervantes, 1996. Feeding semduramicin to broiler chickens with different dietary protein levels and different protein sources. XVII Annual Meeting, Southern Poultry Science Society, January 22-23, World Congress Center, Atlanta, Georgia.
16. Cervantes, H.M., 1995. Serological evaluation of polyvalent inactivated vaccines for broiler breeders. XIV Latin American Poultry Congress, October 10-13, Sheraton Hotel, Santiago, Chile.
15. Cervantes, H.M., 1995. Effect of polyvalent inactivated vaccine type on the incidence of false positive rapid serum plate test reactions for MG and MS. 132nd. Annual Meeting of the American Veterinary Medical Association, July 8-12, Vista Hotel, Pittsburgh, Pennsylvania, J.A.V.M.A., 208 (2): 130.
14. Cervantes, H.M. and J.S. Guy, 1995. Clinical and laboratory observations regarding the diagnosis of Infectious Laryngotracheitis in broilers. 132nd. Annual Meeting of the American Veterinary Medical Association, July 8-12, Vista Hotel, Pittsburgh, Pennsylvania, J.A.V.M.A., 208 (2): 140.

13. Cervantes, H.M., 1994. Experimental infection of day-of-hatch broiler chicks with *Salmonella berta*. 131st. Annual Meeting, of the American Veterinary Medical Association, July 9-13, ANA Hotel, San Francisco, California, p. 124.
12. Cervantes, H.M., 1994. Experimental infection with *Salmonella berta* in day-of-hatch broiler chicks. Proc. XIX ANECA Annual Convention, May 5-7, Puerto Vallarta, Jalisco, Mexico, pp. 63-67.
11. Cervantes, H.M., 1991. The importance of mycotoxins in current commercial poultry production and new concepts for its control. XII Latin American Poultry Congress, Sept. 30-Oct. 4, Quito, Ecuador.
10. Cervantes, H.M., 1991. An up-date on the chicken anemia virus. XII Latin American Poultry Congress, Sept. 30-Oct. 4, Quito, Ecuador.
9. Cervantes, H.M., 1991. Sanitary handling of broiler hatching eggs from the nest to the hatchery. Proc. II National Poultry Congress, June 26-29, Santo Domingo, Dominican Republic, pp. 1-9.
8. Cervantes, H.M., 1990. Effects and interactions of the mycotoxins more prevalent in poultry production and the use of an aluminosilicate feed additive to moderate aflatoxicosis. I National Poultry Congress, June 21-23, Santo Domingo, Dominican Republic.
7. Cervantes, H.M., H.J. Barnes, and D.P. Wages, 1987. Health status and production performance of commercial turkeys raised under two different management systems. 124th Annual Meeting of the American Veterinary Medical Association, July 19-23, Marriott Hotel, Chicago, Illinois, p. 132.
6. Cervantes, H.M., H.J. Barnes and D.P. Wages, 1987. Effect of management on disease incidence and production performance of commercial turkeys. VIII Annual Meeting, Southern Poultry Science Society, Jan. 27-28, World Congress Center, Atlanta, Georgia. Poultry Sci. 66:9.
5. Cervantes, H.M. and L.S. Jensen, 1986. Interaction of monensin with environmental temperature and dietary protein and its effect on plasma electrolyte and ascorbic acid concentrations in broiler chicks. VII Annual Meeting, Southern Poultry Science Society, Jan. 21-22, World Congress Center, Atlanta, Georgia. Poultry Sci. 64:10.
4. Cervantes, H.M. and L.S. Jensen, 1985. Nutritional factors that may influence the monensin-induced growth depression. IX Latin American Poultry Congress, May 26-30, Acapulco, Guerrero, Mexico, pp. 477-487.
3. Ruiz, B., H.M. Cervantes and I.R. Balconi, 1984. Effect of dietary inorganic sulphur supplementation on total sulphur amino acid requirements of growing broilers. Proc. VII

International Biennial Poultry Conference, Sept. 27-28, National Medical Congress Center, Mexico City, Mexico, pp.74-84.

2. Cervantes, H.M. and L.S. Jensen, 1984. Effect of monensin on feed preference of broiler chicks. 73rd. Annual Meeting of the Poultry Science Association, University of Guelph, Guelph, Canada. Poultry Sci. 63:77.

1. Aluja, de, A.S., A. Escobosa, H.M. Cervantes, J. Ponce de Leon, R. Rivera and M. Berruecos, 1981. The role of selenium and vitamin E on several parameters of intensively reared dairy calves. Proc. X World Congress of Buiatrics, Aug. 16-19, National Congress Center, Mexico City, Mexico, p. 256.

### **PUBLICATIONS IN DOMESTIC AND INTERNATIONAL INDUSTRY MAGAZINES**

27. Cervantes, H.M., and Larry R. McDougald, 2022. Obtaining the most benefit from an anticoccidial sensitivity test. Zootecnica Internacional, p. 44-48. Reprinted with approval from a manuscript published in the Proc. of the 70<sup>th</sup> Western Poultry Disease Conference.

26. Cervantes, H.M., 2018. Rationale Use of Antibiotics in Poultry Production. AviNews Latino America, September Issue, pp. 41-46. Online at: <https://avicultura.info/uso-racional-de-antibioticos-en-la-produccion-avicola/>

25. Cervantes, H.M., 2018. Let's Eliminate the Famous Myth about Hormones in Chickens. Industria Avicola, June Issue, pp. 23-26. Online at: <https://www.industriaavicola.net/reproduccion-genetica-e-incubacion/eliminemos-el-famoso-mito-de-las-hormonas-en-el-pollo/>

24. Cervantes, H.M., 2018. Ten Myths about Antibiotics in Poultry Production. Industria Avicola, May Issue, pp. 23-26. Online at: <https://www.industriaavicola.net/enfermedades-y-sanidad/10-mitos-de-los-antibioticos-en-produccion-avicola/>

23. Cervantes, H.M., 2017. Where are the results of alternative production? Industria Avicola, February Issue, pp. 28-30. Online at: <http://www.industriaavicola-digital.com/201702/#/30>

22. Cervantes, H.M., 2011. Intestinal Integrity. Industria Avicola, October, pp. 16-20.

21. Cervantes, H.M., 2009. The future of antibiotics in food animal production. Industria Avicola, October Issue, pp. 14-18.

20. Cervantes, H.M., 2007. Control of malabsorption and stunting syndrome, Part II. Industria Avicola, July Issue, pp. 14-18.

19. Cervantes, H.M., 2007. Control of malabsorption and stunting syndrome, Part I. Industria Avicola, June Issue, pp. 14-19.

18. Cervantes, H.M., 2006. Why responsible antibiotic use enhances animal and human health. December. *Zootecnica International*.
17. Cervantes, H.M., 2006. Banning antibiotic growth promoters: Learning from the European experience. *Poultry International*, 45(7):10-14.
16. Cervantes, H.M., 2006. Learning From The European Experience. *Watt Poultry USA*, February Issue, pp. 34-39.
15. Cervantes, H.M., 1999. Managing gangrenous dermatitis. *Poultry Digest*, January: 20-26.
14. Cervantes, H.M., 1996. Making Water Vaccination Work. *Broiler Industry*, March: 18-22.
13. Cervantes, H.M., 1995. Field Evaluation of Polyvalent Inactivated Vaccines for Breeders. *Poultry Digest*, March: 14-24.
12. Cervantes, H.M., 1995. Evaluation and Management of Respiratory Diseases in Broilers. *Avicultura Profesional*, Vol. 13, No. 2:76-84.
11. Cervantes, H.M., 1994. Field Test with Inactivated Vaccines for Broiler Breeders. *Avicultura Profesional*, Vol. 12, No. 3:136-146.
10. Cervantes, H.M., 1994. Quantifying Chick Quality. *Zootecnica International*, July:20-31.
9. Cervantes, H.M., 1994. Needed: System for Routine Assessment of Poult Quality. *Poultry Times*, July 18:10,22,29.
8. Cervantes, H.M., 1994. Polyvalent Inactivated Vaccine Use on Broilers is up Again. *Poultry Times*, August 1:3, 15.
7. Cervantes, H.M., 1994. A New Formula to Define Chick Quality. *Industria Avicola*, May:10-16.
6. Cervantes, H.M., 1993. A New Formula for Chick Quality. *Broiler Industry*, September:20-27.
5. Cervantes, H.M., 1992. Avian Infectious Anemia. *Tecnologia Avipecuaria* 5:7-9.
4. Cervantes, H.M., 1986. Excess weight in broiler breeder males: A major cause of reduced fertility. *Avicultura Profesional* 4:23-25.
3. Cervantes, H.M., 1984. The different forms of synthetic methionine: Comparing their biological equivalency. *Avicultura Profesional* 2:67-69.

2. Cervantes, H.M., 1983. Fatty livers in laying hens: Still a current problem. *Avicultura Profesional* 1:120-124.

1. Cervantes, H.M., 1983. A simple technique to determine liver lipid content. *Avicultura Profesional* 1:94-95.

### **WORLD-WIDE-WEB ARTICLES AND ONLINE FORUMS**

13. Cervantes, H.M. The Rational Use of Antibiotics in Poultry production. WATTAgNet, published online on March 28, 2019. <https://www.wattagnet.com/articles/37284-the-rational-use-of-antibiotics-in-poultry-production>.

12. Cervantes, H.M. The Use of Antibiotics in the Poultry Industry. Feedinfo News Service, 9 April, 2018. <https://www.feedinfo.com>

11. Cervantes, H.M. Revisiting Lesion Scoring Techniques for Coccidiosis. In: This week's articles and analysis, "Progress on the Control of Intestinal Parasites Discussed at AVMA Meeting", The Poultry Site, September 17, 2013.

10. Cervantes, H.M., December 18, 2010. Evaluation and diagnosis of chick quality. El Sitio Avicola, <http://www.elsitioavicola.com/articles/1886/evaluaci%F3n-y-diagn%F3stico-de-la-calidad-de-los-pollitos-1>

9. Cervantes, H.M., 2010. Moderator, WATT Online Forum, "Runting-Stunting and Malabsorption Syndromes: Twin Perspectives" (Panel), March 25.

8. Cervantes, H.M., 2009. Panelist, WATT Online Forum, Feature Presentation: "Antibiotics in Animal Feeds: World Perspectives" (Panel), April, 29.

7. Cervantes, H.M., 2008. Coccidiosis Control. The Poultry Site Newsletter, posted on October 23. <http://www.thepoultrysite.com/articles/1138/coccidiosis-control>.

6. Cervantes, H.M., 2007. Control of Malabsorption and Stunting Syndromes of Poultry. *Industria Avicola*, June Issue. <http://www.industriaavicola-digital.com/industriaavicola200706/?pg=14>

5. Cervantes, H. Assessing the Results of the European Union Ban on Antibiotic Feed Additives. *Zoonews*, Brasil, May 30, 2006, Article of the Week, <http://www.zoonews.com.br/noticiax.php?idnoticia=81625>

4. Cervantes, H. 2005. Assessing the Results of the EU Ban on Antibiotic Feed Additives. *ThePoultrySite.com*, feature article. <http://www.thepoultrysite.com/FeaturedArticle/fatopic.asp?AREA=FeaturedArticle&Display=471>

3. Cervantes, H. 2005. Assessing the Results of the EU Ban on Antibiotic Feed Additives. ThePigSite.com, feature article.

<http://www.thepigsite.com/FeatureArticle/Default.asp?Display=1509>

2. Cervantes, H.M., 2005. Feeding Strategies to Reduce Malabsorption and Enteric Disorders in Poultry. PoultryMed.com

<http://www.poultrymed.com/Files/MAS.html>

1. Cervantes, H.M., 2003. Feeding Strategies to Reduce Malabsorption and Enteric Disorders in Poultry. Poultry Digest Online, Vol. 3, No. 8

#### **ACTIVE PROFESSIONAL MEMBERSHIPS**

American Veterinary Medical Association.

American Association of Avian Pathologists.

American College of Poultry Veterinarians.

Asociación Nacional de Especialistas en Ciencias Avícolas (México).

United States Animal Health Association.

Poultry Science Association.

Southern Poultry Science Society.

National Institute of Animal Agriculture.

#### **LANGUAGES**

English: Speak, read and write.

Spanish: Speak, read and write.

#### **REFERENCES**

List of academic and/or industrial references available upon request.

#### **OFFICE, HOME AND E-MAIL ADDRESS**

Phibro Animal Health

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E mail 1: [Hector.Cervantes@pahc.com](mailto:Hector.Cervantes@pahc.com)

E-mail 2: [hectorc@uga.edu](mailto:hectorc@uga.edu)

## ACPV Application for Emeritus Membership

Name: Dr. Martha Ewing

Address:

565 Qtwell Rd

Gadsden, Alabama 35904

Email: qcvet1@gmail.com

Phone: (601) 329-9820

Birthplace: Buffalo, NY

Birth date: 7/9/1958

Citizenship/Permanent Residency: United States

### **Additional Information**

How long have you been a member of ACPV?: 29

Resume of your experience in avian medicine:

*(Recent positions, please give employer name, title, type of work and years spent)*

See below.

What are you doing now?:

Being Grandma, trying to move, and consulting with my husband on various issues.

Other Comments:

# Curriculum Vitae

MARTHA EWING, DVM, MS, MAM, AVPV  
565 Otwell Rd.  
Gadsden, AL 35904

(601) 329-9820  
[qcvet1@gmail.com](mailto:qcvet1@gmail.com)

---

## **Education:**

MAM	University of Georgia College of Veterinary Medicine, Athens, Ga.	Dec. 1994
MS	University of Florida College of Veterinary Medicine, Gainesville, Fl.	May 1993
DVM	University of Georgia College of Veterinary Medicine. Athens, GA	June 1987
BS	College of Charleston, Charleston, SC	May 1981

## **BOARD CERTIFICATION:**

ACPV	Diplomate, American College of Poultry Veterinarians	July 1994
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## **Professional Experience:**

2010-Present	Director of Technical Services, Sanderson Farms, Inc, Laurel, MS
2001-2009	Quality Assurance Manager, Sanderson Farms, Inc, Laurel, MS
1996 – 2001	Technical Services Veterinarian. Abbott Laboratories, Inc. Chicago, IL.
1994 – 1995	Manager, Veterinary Services, Case Foods, Inc., Troutman, N.C.
1993 - 1994	Master' of Avian Medicine Program (MAM), Department of Avian Medicine, University of Georgia, Athens, GA.
1990 - 1994	Veterinary Manager, Florida Department of Agriculture, National Poultry Improvement Program, Tallahassee, FL.
1989 - 1990	Biological Scientist, University of Florida, Gainesville, FL
1988 – 1989	Veterinary Medical Officer, United States Department of Agriculture, Food Safety and Inspection Service (FSIS), Athens, GA.
1987 - 1994	Clinical Veterinary Medicine, Private Practice, full and part-time, Indiana, PA, Dacula, GA, and Branford, FL.
1981 – 1983	Technical Services, Martin Instrument Company, Greenville, S.C.

## **Professional Societies:**

American Veterinary Medical Association (AVMA),  
AVMA Food Safety Advisory Committee, 2006-2009.  
American College of Poultry Veterinarians (ACPV)  
American Association of Avian Pathologists (AAAP),  
Chairman AAAP Food Safety Committee, 2006-2009.  
National Turkey Federation Technical and Regulatory Committee  
Association of Broiler Production Veterinarians

## **Honors:**

1994 Harrison Milling Company Scholarship  
1994 Recipient of the Florida Veterinary Medical Association Auxiliary Award for Best Master's  
Thesis  
1994 Nomination for IFAS Award of Excellence for Graduate Research  
1987 Certificate of Merit, Small Animal Medicine, College of Veterinary Medicine, University of  
Georgia, Athens, GA.  
1981 Most Distinguished Student Award, College of Charleston, Charleston, S.C.



## **Research and Publications:**

### PRIMARY INVESTIGATIONS:

- M.L. Ewing, L.H. Lauerman, S.H. Kleven, and M.B. Brown. Evaluation of diagnostic procedures to detect *Mycoplasma synoviae* in commercial multiplier-breeder farms and commercial hatcheries in Florida. *Avian Dis.*, 1996 Oct-Dec, v. 40(4), pp. 798-806.
- M.L. Ewing, S.H. Kleven, and M.B. Brown. Comparison of enzyme-linked immunosorbent assay and hemagglutination-inhibition for detection of antibody to *Mycoplasma gallisepticum* in commercial broiler, fair and exhibition, and experimentally infected birds. *Avian Dis.* 1996 Jan-Mar., v. 40(1) pp. 13-22.
- M.L. Ewing, M.E. Yonzon, R.K. Page, T.P. Brown, and W.R. Davidson. *Delectrocephalus dimidiatus* infestation in an adult rhea (*Pterocnemia pennata*). *Avian Dis.*, 1995, Apr-Jun v. 39(2) pp. 441-3.
- M.L. Ewing, W.W. Hewat, R.W. Gilbert, J.E. Sander, and T.P. Brown. Effect of calcium/phosphorus imbalance in the ration on flock performance in two broiler flocks in north Georgia. *Avian Dis.*, 1995 Jan-Mar., v. 39(1) pp. 179-82.
- M.L. Ewing, K.C. Cookson, R.A. Phillips, K.R. Turner, and S.H. Kleven. Experimental Infection and Transmissibility of *Mycoplasma synoviae* with Delayed Serological Response in Chickens. Submitted for publication.

### CO-INVESTIGATIONS:

Generation and Detection of Trihalomethanes in Chicken Tissue from Chlorinated Chill Water\*  
Y. Vizzier-Thaxton, M.L. Ewing and C.M. Bonner, 2010.

National Chicken Council Drug Susceptibility Management Guidelines. Norton, R.A. and M.L. Ewing, 2000.

“Use of Sarafloxacin Hydrochloride in the Prevention and Treatment of Avian Cellulitis”. R.A. Norton, S.F. Bilgili, and M.L. Ewing. (Abstr) Abstracts 86<sup>th</sup> Annual Meeting of the Poultry Science Association, 3-6 August, Athens, GA. *Poultry Sci.* 76(SI): 92, 1997.

“An In Vitro Experiment Investigating Sarafloxacin and Diluent Effects on HVT Vaccine”. P. Villegas, M. Ewing, and J. El-Attrache, University of Georgia, Department of Avian Diseases, Athens, GA. Feb. 2, 1997. For Abbott Laboratories, Proprietary.

“Use of Sarafloxacin Hydrochloride in the Prevention and Treatment of Avian Cellulitis”. In cooperation with R.A. Norton and S. F. Bilgili. Auburn University, Poultry Science Department, Auburn, AL. Jan 8 - 17, 1997. To be submitted.

“Susceptibility of Avian Mycoplasmas to Sarafloxacin and Antibiotics Commonly Used in Poultry”. In cooperation with Dr. Chinling Wang, College of Veterinary Medicine, Mississippi State University, Mississippi State, MS. Sept. 30, 1996 - March 30, 1997. Accepted for publication in *Avian Diseases*..

“Mycoplasma Infections” In *Avian Medicine and Surgery*, Ed. Robert B. Altman, W.B. Saunders Co. Orlando, FL

## NON-REFEREED PUBLICATIONS:

M.L. Ewing, Paw Grading Handbook, For Sanderson Farms, Inc. March 29, 2019.

M.L. Ewing and S.F. Bilgili, Poultry Disposition Training Manual. For the New Poultry Inspection System (NPIS). April 6, 2016

M.L. Ewing. Sorter Disposition Training Manual For HACCP Based Inspection. Copywrite submitted. March 2000.

M.L. Ewing. "Basic Condemnation Criteria for Broiler Carcasses in the Plant". Proceedings, National Meeting on Poultry Health and Processing. Ocean City, MD. Oct. 15-17, 1997.

M.L. Ewing, S.L. Exley, R.K. Page, and T.P. Brown. Understanding the Disposition of Broiler Carcasses Under USDA Inspection. Broiler Industry, March, 1997.

M.L. Ewing. Mycoplasmosis. Technical Selling Tips. Abbott Laboratories, Inc. March 1997.

M.L. Ewing. IP (Infectious Process). Technical Selling Tips. Abbott Laboratories, Inc. North Chicago, IL. Dec. 1997.

M.L. Ewing and G.D. Butcher. Knemidokoptic mange in pet birds (scaly face and scaly leg disease). Veterinary medicine fact sheet. Vet Med Fact Sheet 1990. (59) 3 p.

M.L. Ewing and G.D. Butcher. Avian goiter (thyroid hyperplasia or dysplasia).. Veterinary medicine fact sheet. Vet Med Fact Sheet 1990. (61) 3 p.

## **Presentations and Training Programs:**

### TRAINING PROGRAMS

March 5-8, 2013 Salmonella Isolation and Identification Workshop, University of Georgia, Athens, GA.

Sept. 25-27 2012 Biennial Conference of the National Poultry Improvement Program, New Orleans, LA.

August 31-Sept. 3, 2010 Biennial Conference of the National Poultry Improvement Program, San Diego, CA.

March 16-19, 2010 Salmonella Isolation and Identification Workshop, University of Georgia, Athens, GA.

May 19-21, 2009. Interventions for Salmonella in the Poultry Industry. US Poultry and Egg Processor's Meeting, Atlanta, GA.

S

May 2, 2006. Avian Influenza. Training program for First Responders, Personal Protective Equipment. Sanderson Farms, Laurel, MS.

July 2002 through Present. Ongoing presentations and training in HACCP, SSOP, and SPS. Sanderson Farms, Inc. Laurel, MS 39441.

July 27, 2002 – Introduction to HACCP, Sanderson Farms, Inc., Brazos Division, College Station TX

July. 17 – 18, 2000 - Two day training session in poultry processing and USDA regulations.. AM 616, Poultry Management, Department of Avian Medicine, College of Veterinary Medicine, University of Georgia, Athens, GA.

- June 5 - 9, 2000 – Week long training session on poultry dispositions for HACCP-based Inspection Models Project, Marshall Durbin, Jasper, AL.
- April 17 – 21, 2000 – Week long training session on poultry dispositions for HACCP-based Inspection Models Project, Marshall Durbin, Hattiesburg, MS
- Aug. 5 – 6, 1999 - Two day training session in poultry processing and USDA regulations.. AM 616, Poultry Management, Department of Avian Medicine, College of Veterinary Medicine, University of Georgia, Athens, GA.
- Aug. 4 – 6, 1998 - Three day training session in poultry processing and USDA regulations. AM 616, Poultry Management, Department of Avian Medicine, College of Veterinary Medicine, University of Georgia, Athens, GA.
- Aug. 6 - 8, 1997 - Three day training session in poultry processing and USDA regulations.. AM 616, Poultry Management, Department of Avian Medicine, College of Veterinary Medicine, University of Georgia, Athens, GA.
- Feb. 11 - 13, 1997 - Poultry Industry Workshop. Sponsored by USDA, APHIS, NPIP and University of Georgia. Training sessions for USDA, APHIS veterinarians in poultry processing.
- Dec. 7, 1989 - Condemnation of Broiler Carcasses. VES 4126, Poultry Diseases, Poultry Science Department, Gainesville, FL.

#### PRESENTATIONS:

- July 22, 2008. Emergency Response: Ensuring a Safe Food Supply During an Emergency Event, One Medicine Symposium, AVMA, New Orleans, LA.
- February 23, 2006. Katrina, An Experience. USDA, FSIS, Advances in Post-Harvest Interventions to Reduce Salmonella in Poultry. Atlanta, GA.
- November 11, 2005 to present. Multiple presentations on Avian Influenza to customers, civic groups, and schools.
- May 15, 2003 – “Paw Harvesting and Inspection” U.S. Poultry and Egg Council, Processors Meeting, Nashville, TN.
- May 15, 2002 – “The Problem with Paws”, Mississippi Poultry Association Workshop, Jackson, MS
- Jan 16, 2002 – “The Problem with Paws”, US Poultry and Egg, National Chicken Council Marketing Committee, Atlanta, GA.
- July 1, 2000 – “Haccp-based Inspection Models Project”. Alabama Veterinary Medical Association, Meeting, Point Clear, AL.
- Jan. 18, 2000 – “USDA Regulatory Reform”. International Poultry and Egg Symposium. Atlanta, GA.
- Jan. 18, 2000 – “Update on Saraflox Resistance”, Walco Regional Sales Meeting, Atlanta, GA.
- Jan. 12 – 14, 2000 – “Haccp-based Inspection Models Project”, National Turkey Federation Convention, Orlando, FL.
- Oct. 1999 – FSIS Training Course for HACCP-based Inspection Models Project. George Mason University, Arlington, VA.

July 16, 1999 – “Flourquinolone Resistance”, Walco National Sales Meeting, Dallas, TX.

May 5, 1999 – “Incidence of Resistance to Saraflox in Poultry”, Poultry Health Committee, National Chicken Council, Washington, D.C.

April 20, 1999 – “Feed Withdrawal and Effects on Processing”, Louisiana Poultry Seminar, Shreveport, LA.

March 23, 1999 – “Salvage of Broiler Carcasses”, Abraham Baldwin Junior College, Tifton, GA.

Dec. 9 – 11, 1998 – Determination of Resistance to Flouroquinolones and Potential Impact on Sales, Abbott National Sales Meeting, Steamboat, CO.

April 14 – 15, 1998 – “Disposition and Salvage of Poultry Carcasses”, Pennsylvania Poultry Sales and Service Conference, Grantville, PA.

Oct. 15-17, 1997 - “Basic Condemnation Criteria for Broiler Carcasses in the Plant”. National Meeting on Poultry Health and Processing. Ocean City, MD.

Aug. 3-7, 1997 - “Use of Water Soluble Sarafloxacin Hydrochloride in the Prevention and Treatment of Avian Cellulitis”. R.A. Norton, S. F. Bilgili, and M.L. Ewing. Presented at Eighty-sixth Annual Poultry Science Association Meeting, Athens, GA.

July 19-24, 1997 - “Experimental Infection and Transmissibility of Mycoplasma synoviae with Delayed Serological Response in Chickens”. M. L. Ewing, K.C. Cookson, R.A. Phillips, K.R. Turner, and S.H. Kleven. AVMA Convention, Poultry Program, Reno, NV.

June 2, 1997 - “Salvage of Broiler Carcasses”. Seminar, Department of Avian Diseases, Athens, Ga.

Aug. 1996 – HACCP Certification. Georgia Center for Continuing Education, Athens, GA.

May 24, 1996 - “Diluent Dilemia”. Presented data from field trials assessing various diluents for Marek’s vaccination and Saraflox injection compatibility. Abbott Laboratories Animal Health Sales Meeting, Crane Lake, MN.

May 23, 1996 - “Common Respiratory Diseases in Poultry”. Abbott Laboratories Animal Health Sales Meeting, Crane Lake, MN.

Jan 22, 1996 - “Biosecurity and Infectious Laryngotrachitis”. Abbott Laboratories Regional Sales Meeting, Atlanta, Ga.

Oct. 1995 – Salmonella Isolation and Identification Workshop. National Poultry Improvement Plan and Georgia Diagnostic Laboratories. Oakwood, GA.

Feb. 21, 1995 - “Basic Vaccination Procedures in the Field”. Case Farms Grower’s Meeting, Morganton, NC

Oct. 12, 1995 - “Gangrenous Dermatitis”. Regional Poultry Growers Meeting. Iredell County Extension Center. Statesville, NC

Dec. 7, 1994 - “Evaluation of diagnostic procedures to detect Mycoplasma synoviae in commercial multiplier-breeder farms and hatcheries in Florida”. Seminar, Department of Avian Diseases, Athens, Ga.

- Nov. 19-21, 1993 - "Vaccination for Eastern Equine Encephalomyelitis virus in chickens, turkeys, and rheas". At the Ratite Roundtable, Athens, Ga.
- May 8, 1992 - "Florida Poultry Industry and the National Poultry Improvement Plan". To Division of Animal Industry, Department of Agriculture and Consumer Services. Tallahassee, Fl.
- April 23, 1992 - "Function of the National Poultry Improvement Plan and Current State Regulations". To the Florida Game Bird Association. Poultry Science Department, Gainesville, Fl.
- Feb. 28, 1992 - "Dead Bird Disposal Inspection and Fly and Odor Control". To the inspectors of the Bureau of Contagious and Infectious Diseases, Division of Animal Industry, Department of Agriculture and Consumer Services, Location: Hillsborough Co. Extension Office, Seffner, Fl.
- Oct. 9, 1990 - "Outbreak of Salmonella Pullorum in an integrated poultry producer". To Florida Poultry Federation Executive Committee at Florida Poultry Days.. Gainesville, Fl.
- Jan 9, 1990 - "Inspection, Friend or Foe". Poultry Health Seminar, Alachua County Extension Office, Gainesville, Fl

## ACPV Application for Emeritus Membership

Name: Dr. Donna Hill

Address:

276 Smoketree Lane

Mountain Home, Arkansas 72653

Email: donna.hill@mailfence.com

Phone: (870) 424-6890

Birthplace: Baton Rouge, Louisiana USA

Birth date: 7/12/1954

Citizenship/Permanent Residency: United States

### **Additional Information**

How long have you been a member of ACPV?: 30

Resume of your experience in avian medicine:

*(Recent positions, please give employer name, title, type of work and years spent)*

See below.

What are you doing now?:

I am retiring the end of this month. I will still agree to do talks and seminars on the problems with incubation today, but I am not going to be working in hatcheries anymore.

Other Comments:

**DONNA L. HILL, DVM, MAM, Diplomate ACPV**

276 Smoketree Lane  
Mountain Home, AR 72653  
Phone: (870) 424-6890  
Mobile: (870) 404-2076  
Donna.hill@mailfence.com

---

**PROFESSIONAL EXPERIENCE**

**CEVA**

**May, 2013-PRESENT**

**Consultant:** Evaluate hatcheries for incubation quality and field performance potential

**HATCHTECH INCUBATION TECHNOLOGY, the NETHERLANDS JUNE 2006-October 2019**

**Hatchery Management Consultant:** Train HatchTech customers to achieve the optimum incubation, transportation, and early brooding conditions to maximize the return on genetic potential in commercial poultry production.

**HATCHTECH USA**

**SEPTEMBER 1998 – JUNE 2006**

**President** - HatchTech USA is the US distributor for an incubation system designed to optimize hatchability and performance in commercial incubation situations. HatchTech USA sold and built the HatchTech incubation equipment in a state of the art hatchery in 2005.

**HATCHTECH, VEENENDAAL, the NETHERLANDS**

**SEPTEMBER 1998 – JUNE 2006**

**Veterinary Consultant, Poultry Incubation** – Work to define and optimize incubation conditions for field performance in the commercial yield breed chickens used today.

**INTERVET, MILLSBORO, DELWARE**

**SEPTEMBER 1998 – DECEMBER, 2002**

**Veterinary Consultant, Poultry** – Specializing in high yield broiler and turkey incubation for performance. Processing plant, and growth programs to minimize contamination, maximize yield and maximize product quality.

**PERDUE FARMS INC., SALISBURY, MARYLAND**

**APRIL 1990 – SEPTEMBER 1998**

**Director of Health Services (Feb. 1997 – Sept. 1998)** – Responsible for all aspects of primary and parent breeder, meat bird (cornish, broilers, and roasters), and turkey health programs

- Programs for vaccination, therapeutic, preventive, diagnostic, processing/FSIS, and research.
- Provide formal education programs for breeder and meat bird growout personnel.
- Provide administration for veterinarians and their support staff.
- Responsible for administrating health aspects of live operation production cost plans for meat bird production complexes.

**Regional Veterinary Services Manager (Sept. 1993 – Feb. 1997)** – Provided technical support to all Perdue breeder and primary breeder complexes, hatcheries, and processing plants.

- Goals and accountabilities were tied to the live production goals of two-week mortality, condemnation (both field and plant), plant yield and quality goals, hatchability, and hatch of fertile.
- Administered a hatchery audit program that maintains a one-week mortality of 0.9% or less without formaldehyde.
- In-house training and production meeting presentation responsibilities included: Health Services training manual, twice yearly live operations seminar and meeting, yearly hatchery seminar and meeting, yearly live haul seminar and meeting, and yearly breeder meeting and seminar.
- Developed audits for plant yield and quality performance standards.
- Developed training programs and standards of performance for critical plant processes.
- Developed Standard Operating Procedure Manual for hatcheries.
- Developed improved plant accounting method for whole bird and parts condemnation.
- Worked with team to develop Perdue HACCP program for live production.

**Regional Veterinary Services Manager (Apr. 1990 – Sept. 1993)** – Provided technical support for the live production of approximately 3.5 million roasters, cornish and broilers in the Delmarva division weekly. Provided technical support for the 1,000,000 breeders located in the Virginia/West Virginia area. These four live production areas include three processing plants and five hatcheries.

- Goals and accountabilities were tied to the live production goals of two-week mortality, condemnation (both field and plant), livability, hatchability, and hatch of fertile.
- In-house training and production meeting presentation responsibilities included: yearly flock supervisor training seminar, twice yearly live operations seminar and meeting, twice yearly hatchery seminar and meeting, yearly live haul seminar and meeting, and yearly breeder meeting and seminar.
- Developed and administered a hatchery monitoring program that maintained a one-week mortality of 0.9% or less without formaldehyde.
- Developed and administered a breakout program that facilitates the achievement of 91.7% hatch of fertile.

**PETERSON FARMS, DECATUR, ARKANSAS**

**MARCH 1988 – MARCH 1990**

**Director of Poultry Health and Quality Control** – Built a total quality control program that integrated consistent production of a high quality chick. As the *S. enteritidis* problem became apparent, developed a monitoring program that was incorporated into the ongoing program.

- Responsible for testing and operating in compliance with the NPIP. This often included discussions and negotiations with state and national officials.
- Since Peterson Farms was also an 850,000 per week broiler production company, total responsibilities included technical services for the breeder division, three breeder hatcheries, one broiler hatchery, and one processing plant.

**EDUCATION**



**LOUISIANA STATE UNIVERISTY, BATON ROUGE, LOUISIANA**

**Bachelor of Science Degree in Political Science, 1972 – 1975**

**Doctor of Veterinary Medicine, 1982 –1986**

Honors: Veterinary Student Honors Program, Short Term Training in Research, 1986

**UNIVERSITY OF GEORGIA, ATHENS, GEORGIA**

**Master of Avian Medicine, 1986 – 1988**

Honors: Phi Kappa Phi, 1988

Externships:

- Cuddy Farms, Inc., Monroe, North Carolina (4 week externship, Sept. – Oct. 1987). Responsible for field observations and laboratory diagnostics in the investigation of a malabsorption, enteritis problem in poults.
- Manos Poultry, Adelaide, Australia (3 week externship, Nov. – Dec. 1987). Worked with a high first week mortality problem. This led to an extensive review of the hatchery and recommendations concerning sanitation, airflow and design.

**Specialization**

**Diplomate, American College of Poultry Veterinarians, 1992** – Elected to serve on the Board of Governors, American College of Poultry Veterinarians, 1993–1997; Vice Chairman, Board of Governors, 1994–1995; Chairman, 1995–1996; Past Chairman 1996–1997.

**PROFESSIONAL AFFILIATIONS & APPOINTMENTS**

American College of Poultry Veterinarians (Board Member 1993–1997; Chairman, 1995)

American Association of Avian Pathologists

American Veterinary Medical Association

United States Animal Health Association

World Veterinary Poultry Association

Association of Veterinarians in Broiler Production (President, 1998)

National Broiler Council Poultry Health Committee (Chairman, 1998)

Poultry Science Association

American Association of Industrial Veterinarians

General Conference Committee of the NPIP, Mid-Central Region (Alternate Delegate, 1996-1998)

Delmarva Poultry Disease Committee

Emergency Poultry Disease Committee

Processing Committee

Primary Breeder Veterinarians' Roundtable

Master of Avian Medicine Alumni Association

**PUBLICATIONS:**

- Donna Hill, “The Importance of Maintaining Homogenous Microclimates within Incubators and Hatchers”, *aviNews A Latina* Enero, 2016
- Donna Hill, “A Closer Look Through the Hatch Window”, *World Poultry*, 26-28, Volume 29 Number 9, 2013
- Donna Hill, Inge van Roovert-Reijrink, “Making Innovations in Hatchery Hygiene by Understanding the Basics”, *International Hatchery Practice*, 7-11, Volume 24 Number 7
- R. Hulet, G. Gladys, D. Hill, R. Meijerhof, and T. El-Shiekh, “Influence of Egg Shell Embryonic Incubation Temperature and Broiler Breeder Flock Age on Posthatch Growth Performance and Carcass Characteristics”, *Poultry Science*, 408-413, Volume 86, Number 2, February, 2007
- Donna Hill, “Performance Losses: Incubation and Brooding, Practical Critical Management Points, Part 2”, *Poultry International*, 48-51, December 2004
- Donna Hill, “Performance Losses: Incubation and Brooding, Practical Critical Management Points, Part 1”, *Poultry International*, 19-23, July 2004
- Donna Hill, “Performance Losses: Incubation and Brooding, Practical Critical Management Points,” *Poultry Digest, Electronic*, March 2004
- Donna Hill, “Performance Losses: Incubation and Brooding,” *International Hatchery Practice*, Volume 16, No 8, 2002, 15-17 and Volume 17, No 1, 2002, 7-9
- Donna Hill, “Multistage Incubation and Yield Genetics,” *Poultry Digest merged into Watt Poultry USA 1/2001*, Volume 59, No 5, October/November, 2000, 14-20
- Donna Hill, “Embryonic Requirements to Meet Genetic Potential,” *The Poultry Informed Professional*, Issue 26, June 1999
- Donna Hill, “Practical Hatchery Sanitation Guidelines to Assure Quality,” *World Poultry*, Volume 14, No 10, 1998, 30-32
- Donna Hill, “Evaluating Chick Quality,” *Zootechnica International*, May 1996, 22-24.
- Donna Hill, “Mycoplasma Field Issues, Diagnostics”, *Poultry Digest merged into Watt Poultry USA 1/2001*, March 1995, 32-34
- Donna Hill, “Hatchery Influences on Occurrence of Inflammatory Process and Ascites,” *Zootechnica International*, March 1994, 66-69
- D. L. Hill, C. I. Hall, J. E. Sander, O. J. Fletcher, R. K. Page, and S. W. Davis, “Diazinon Toxicity in Broilers,” *Avian Dis.*, 38 (2): 393-396, 1994
- M. A. Goodwin, D. L. Hill, M. A. Dekich, and M. R. Putnam, “Multisystemic Adenovirus Infection in Broiler Chicks with Hypoglycemia and Spiking Mortality,” *Avian Dis.*, 37 (2): 625-627, 1993
- D. H. Gifford (Hill), M. Hugh-Jones, and B. J. Weigler, “Evaluation of Biosecurity in Broiler Breeders,” S. M. Shane, D. H. Gifford (Hill), and K. Yogasundram, “*Campylobacter jejuni* Contamination of Eggs,” *Vet. Rsch. Comm.*, 10: 487-492, 1986
- S. M. Shane, D. H. Gifford (Hill), and K. S. Harrington, “Prevalence and Pathogenicity of *Aeromonas hydrophila*,” *Avian Dis.*, 29 (3): 681-689, 1985
- D. H. Gifford (Hill), S. M. Shane, and R. E. Smith, “Prevalence of *Campylobacter jejuni* in Felidae in Baton Rouge, LA,” *Int. J. Zoon*, 12: 67-73, 1985

**WEBINAR**

Donna Hill and Matilde Alfonso, “Early Chick Mortality-Troubleshooting with Dr. Donna Hill”, CEVA Animal Health, May, 2022

## **CONFERENCE PRESENTATIONS**

- “Role of the hatchery and brooding husbandry in reducing antibiotic use and antimicrobial resistance”, Avian Agribiz Poultry Health Conference, Bangkok, Thailand, 2019.
- “Evaluating Current State of Incubation”, Poultry Symposium Product and Processing, Rogers, AR 2019
- “First Week Field Mortality Evaluation”, ANECA, Mexico City, Mexico 2018
- “Residue Breakout, A Different Perspective”, ANECA, Mexico City, Mexico, 2018
- “The Hatch Window”, Early Chicken Value Chain Performance Conference, Winnipeg, MB, Canada, 2016
- “Egg Handling and Transportation”, Early Chicken Value Chain Performance Conference, Winnipeg, MB, Canada, 2016
- “Chick Quality and First Week Field Evaluations”, Early Chicken Value Chain Performance Conference, Winnipeg, MB, Canada, 2016
- “Chick Quality and First Week Field Evaluations and their Relationship to Incubation and Brooding Conditions”, AAAP 2016 Annual Meeting, San Antonio, Texas, 2016
- “Single and Multistage Incubation Principles”, U.S. Poultry and Egg Breeder Hatchery Seminar, Nashville, TN, 2016
- “Chick Quality Monitoring”, “From Eggs to Meat: Production of Quality Products”, The American College of Poultry Veterinarians Seminar, Ocean City, MD, 2014
- “HatchTech Innovations”, US Poultry Environmental Management Seminar, Nashville, TN, 2014
- “The Early Brooding Period: Issues and a New Technology Solution”, Arkansas Nutrition Conference, Springdale, Arkansas, 2013
- “HatchCare: The Hatcher of the Future”, Arkansas Nutrition Conference, Springdale, Arkansas, 2013
- “Day-old Chick Health”, Merial Avian Forum, Istanbul, Turkey, 2013
- “Egg Handling and Transportation Impact on Hatch”, University of Alberta Hatchery Workshop, Edmonton, Canada, 2012
- “The Early Brooding Period: The Crucial Chick Development Period”, University of Alberta Hatchery Workshop, Edmonton, Canada, 2012
- “Measuring Performance: What Matters to Me”, University of Alberta Hatchery Workshop, Edmonton, Canada, 2012
- “Hatchery Issues for Single Stage Hatching”, Grand Mills, 10<sup>th</sup> Technical Seminar/Workshop, AlAin, UAE, 2011
- “7 Day Life of Broiler Chicks for Optimal Performance”, Grand Mills, 10<sup>th</sup> Technical Seminar/Workshop, AlAin, UAE, 2011
- “The Hatch Window”, XXII Congreso LatinoAmericano de Avicultura, Buenos Aires, Argentina, 2011
- “The Early Brooding Period: Issues and a New Technology Solution”, International Poultry Exposition Technology Exchange, Atlanta, Georgia, 2011
- “The First 48 Hours”, 48<sup>th</sup> Arbor Acres Production Management School, Huntsville, AL, 2011
- “The Early Brooding Period: Issues and a New Technology Solution”, Simposio Brasil Sul de Avicultura, Brazil, 2011
- “Modern Principles of Incubation and the Role of Embryo Temperature, Relative Humidity, and Carbon Dioxide in Yield Breed Incubation”, Congreso Nacional de Avicultura, Lima, Peru, 2010
- “Incubation, Embryology and the High Yield Embryo”, Australian Veterinary Practitioners Association, Production Information Exchange Meeting, Gold Coast, Australia, 2010
- “Chick Length is Chick Performance Potential”, Lohmann Tierzucht GmbH Hatchery Course, Cuxhaven, Germany, 2010
- “Incubation and Machine Design”, Lohmann Tierzucht GmbH Hatchery Course, Cuxhaven, Germany, 2010
- “The Crucial First 48 Hours”, 47<sup>th</sup> Arbor Acres Production Management School, Huntsville, AL, 2010

- “Incubation Principles and Chick Quality”, Avicol Seminar, Bogotá, Columbia, 2009
- “The Crucial First 48 Hours in the Life of a Chick”, Avicol Seminar, Bogotá, Columbia, 2009
- “Incubation Principles and Chick Quality”, ACAV Seminar, Florianopolis, Brazil, 2009
- “Animal Welfare from a Hatchery Perspective”, Animal Welfare Symposium, 146<sup>th</sup> Annual Meeting, American Veterinary Medical Association, Seattle, Washington, 2009
- “The Crucial First 48 Hours in the Life of a Chick”, 46<sup>th</sup> Arbor Acres Production Management School, Huntsville, AL, 2009
- “The Crucial First 48 Hours in the Life of a Chick”, 45<sup>th</sup> Arbor Acres Production Management School, Huntsville, AL, 2008
- “The Crucial First 48 Hours in the Life of a Chick”, 44<sup>th</sup> Arbor Acres Production Management School, Huntsville, AL, 2007
- “Multistage and Single Stage Incubation Comparison: Field Performance Results with Commercial Yield Breed Broilers in Paired House Comparison”, 143<sup>rd</sup> Annual Meeting, American Veterinary Medical Association, Honolulu, Hawaii, 2006
- “Performance Losses: Incubation and Brooding, Practical Management Points”, US Poultry and Egg Association, Breeder Hatchery Meeting, Birmingham, Alabama, 2006
- “The Crucial First 48 Hours”, 43<sup>rd</sup> Arbor Acres Production Management School, Huntsville, AL, 2006
- “New Concepts in Incubation”, Seminario Internacional de Patologia Y Produccion Aviar, AMEVEA, Athens, GA 2006
- “High Altitude and Low Relative Humidity Incubation: Heat Transfer and Incubation” “Holding, Transportation, and Brooding: Airflow”, “New Concepts in Incubation”, “Breakout: A Problem Oriented Perspective”, “Chick Quality Evaluation”, Intervet Production Meeting, Drummondville, Quebec, Canada, 2006
- “Incubation is an Energy Equation”, “Effects of Temperature and Nutrition of the Neonate on Growth and Performance”, “New Concepts in Incubation Multistage versus Single Stage: Incubation and Performance Potential”, “Breakout: A Problem Oriented Perspective”, “High Altitude and Low Relative Humidity Incubation”, “Chick Length Uniformity Profiles as a Field Measurement of Chick Quality?”, “Performance Losses: Incubation and Brooding Practical Management Points”, “Incubation Quality and Yield Breeds: A Research Review”, “Chick Quality Evaluation”, “The Crucial First 48 Hours in the Life of a Chick” “Hatchery Design and Technology”, Merial Sales Meeting, Tours, France, 2005
- “New Concepts in Incubation”, “High Altitude and Low Relative Humidity Incubation”, Conferencia APINCO 2005 de Ciencia e Tecnologia Avicolas, 2005
- “New Concepts in Incubation”, Brazilian Poultry Foundation for Science and Technology Congress, Santos City, Brazil, 2005
- “High Altitude and Low Relative Humidity Incubation”, Brazilian Poultry Foundation for Science and Technology, Santos City, Brazil, 2005
- “State of the Art Hatcheries”, Delmarva Breeder, Hatchery and Grow Out Conference, Salisbury, MD, 2005
- “The Crucial First 48 Hours in the Life of a Chick”, “New Concepts in Incubation”, “Holding, Transportation, and Brooding: Airflow”, Arbor Acres Customer Management School, Huntsville, AL 2005
- “New Concepts in Incubation: Multistage versus Single Stage: Incubation and Performance Potential”, Alabama Veterinary Seminar, Point Clear, Alabama, 2005

- “Effects of Temperature and Nutrition of the Neonate on Growth and Performance”, S. Lourens, AVMA, Minneapolis, MN 2005
- “Incubation is an Energy Equation”, Mississippi Flock Supervisors Seminar, Forest, Mississippi, 2005
- “Single Stage Incubation Equipment: Panel”, Delmarva Breeder, Hatchery, and Grow Out Conference, Salisbury, MD, 2004
- “Early Embryo Mortality”, Poultry Information Exchange, Surfer’s Paradise, Queensland, Australia 2004
- “Chick Length as a Measurement of Chick Quality?” X Symposium Avicola, Zacatecas, Zacatecas, Mexico, 2003
- “The Extreme Challenges of Incubation in Mexico: High and Dry or Hot and Humid”, Intervet Production Meeting, Ixtapa, Mexico, 2003
- “24 hours Versus Same Day Placement”, International Turkey Reproduction Symposium, Raleigh, NC, 2003
- “Hatching Quality Chicks”, Pennsylvania Poultry Sales and Service Conference, State College, PA, 2003
- “Breakout: A Problem Oriented Perspective”, “Egg Quality Problem Breakout”, Alabama Poultry and Egg Association, Auburn, AL, 2002.
- “The Critical First 48 Hours in the Life of a Chick”, Delmarva Breeder Hatchery and Grow out Conference, Delmar, Maryland, 2002.
- “How to Improve Hatchability and the Quality of the Day Old Chicken”, X International Seminar of Avian Pathology, Athens, GA, 2002.
- “Chick Length Uniformity Profiles as a Field Measurement of Chick Quality?” American Veterinary Medical Association Meeting, Nashville, TN, 2002.
- “Performance Losses: Incubation and Brooding”, Arkansas Poultry Symposium, Springdale, AR, 2002.
- “Innovations in Hatchery Design”, British Veterinary Poultry Association, 2002
- “Chick Mortality Evaluation” “Incubation Quality and Yield Breeds: A Research Review” “Multistage Incubation and Yield Genetics” “General Breakout Evaluation” “The Crucial First 48 Hours in the Life of A Chick”, Spring Hatchery Meeting, Quebec, British Columbia, Ontario, and Edmonton, Canada, 2001.
- “Chick Mortality Evaluation” “Incubation Quality and Yield Breeds: A Research Review” “Multistage Incubation and Yield Genetics” “General Breakout Evaluation” “The Crucial First 48 Hours in the Life of A Chick”, Intervet Production Meeting, Mexico City, Mexico, 2001.
- “Chick Length Uniformity Profiles as a Field Measurement of Chick Quality,” Incubation and Fertility Research Group, Oxford, UK, 2001
- “The Crucial First 48 Hours in the Life of a Chick,” Virginia Poultry Health and Management Seminar, Roanoke, Virginia, 2001
- “Multistage Incubation and Yield Genetics,” Georgia Poultry Extension Meeting, Oakwood, Georgia, 2001
- “Incubator Management of Eggs Originating from 26-30 Week Old Broiler Breeder Flocks”, Deep South Poultry Conference, Tifton, Georgia, 2001
- “Embryo Temperatures in Multistage Incubation,” Incubation and Fertility Research Group, Oxford, UK, 2000
- “Chick Length Uniformity Profiles as a Field Measurement of Chick Quality?”, Incubation and Fertility Research Group, Oxford, UK, 2000

- “Incubation Quality in Yield Chickens,” La Asociacion Nacional de Especialistas en Ciencias Avicolas de Mexico, A.C. Annual Convention, Mexico City, Mexico, 2000.
- “Multistage Incubation and Yield Genetics,” US Poultry and Egg Association, Hatchery Breeder Clinic, Birmingham, Alabama, 2000
- “Variability in Hatchability in Multistage Incubation,” 2000 Production Focus Health Studies, Ocean City, Maryland, 2000.
- “Incubation Quality in Yield Chickens,” Georgia Poultry Extension Meeting, Tifton, GA, 2000
- “Maximize Hatchability and Chick Quality in Yield Birds: Tricks of the Trade,” 1999 Mississippi Poultry Management School, Jackson, Mississippi, 1999.
- “Embryonic Requirements to Meet Genetic Potential, A Literature Review,” American College of Poultry Veterinarians, Managing Rapid Growth Seminar, Vancouver, Canada, 1999
- “Early Chick Mortality and Associated Problems,” Arkansas Poultry Veterinary Association Meeting, Rogers, AR, 1999.
- “Performance Relationships and Principles of Incubation in High Yield Birds,” Arkansas Poultry Symposium, Springdale, AR, 1999
- “Chick Quality, Incubation Quality, Hatchability in 1999,” La Asociacion Nacional de Especialistas en Ciencias Avicolas de Mexico, A.C. Annual Convention, Leon, Mexico, 1999.
- “BMP/HACCP for Broiler Integrators,” American College of Poultry Veterinarians, HACCP Seminar, Ocean City, MD, 1998
- “Plant and Field Evaluations of Feed Withdrawal and Live haul Procedures,” 33<sup>rd</sup> National Meeting on Poultry Health and Processing, Ocean City, MD, 1998
- “Performance Relationship and Principles of Incubation in High Yield Birds,” 1998 North Carolina Broiler Breeder and Hatchery Management Conference, Statesville, NC, 1998
- “Hatchery Management for Chick Quality: Temperature and Humidity,” United States Poultry and Egg Association Hatchery Breeder Clinic, Birmingham, AL, 1998.
- “Incubation of High Yield Broilers,” Bachoco Broiler Technical Meetings, Celaya, Mexico, 1998
- “Hatchery Management for Quality (and Hatchability),” International Seminar of Poultry Production and Pathology, Athens, GA, 1998
- “Incubation of High Yield Broilers,” Alabama Veterinary Medical Association Meeting, Gulf Shores, AL, 1997.
- “Maximizing Chick Quality by Maximizing Consistent Hatch Conditions,” Alabama Veterinary Medical Association Meeting, Gulf Shores, AL, 1997.
- “Interpretations of Hatchery Influences on Chick Quality,” Alabama Veterinary Medical Association Meeting, Gulf Shores, AL, 1997.
- “Inflammatory Process: Potential Hatchery Influences,” Georgia Veterinary Medical Association Meeting, Jekyll Island, GA, 1997.
- “Maximizing Chick Quality by Maximizing Consistent Hatch Conditions,” Bachoco Broiler Technical Meeting, Celaya, Mexico, 1997.
- “A Practical Method for Assessing Chick Quality,” ChickMaster Customer Service Seminar, Salisbury, MD, 1997
- “Application of HACCP Principles – Breeders/Hatchery,” 1997 Delmarva Hatchery and Breeder Flock Manager Short Course, Georgetown, DE, 1997.
- “Maximizing Chick Quality by Maximizing Consistent Hatch Conditions,” American College of Poultry Veterinarians Hatchery Workshop, Sacramento, CA, 1997.
- “Principles of Egg Handling, Chick Quality, Breakouts and Ventilation,” Keynote speaker, AMVEA, Bogotá, Columbia, 1996

- “Maximizing Chick Quality by Maximizing Consistent Hatch Conditions,” Chickmaster Customer Service Seminar, Evansville, IN, 1996.
- “Interpretations of Hatchery Influences on Chick Quality,” Bachoco Broiler Technical Meeting, Celaya, Mexico, 1996
- “A Practical Method for Assessing Chick Quality,” Delmarva Hatchery & Breeder Flock Management Short Course, Georgetown, DE, 1996
- “Interpretations of Hatchery Influences on Chick Quality,” Southeastern Poultry & Egg International Hatchery Practice Conference, Atlanta, GA 1996
- “Chick Quality and Quality Assurance,” Jamesway Incubator, Ltd., Hatchery Short Course, Springdale, AR, 1995
- “Evaluating Chick Quality,” Southeastern Poultry Association, 1995 Poultry Production and Health Seminar, Atlanta, GA, 1995.
- “Hatchery Impact on Proper Navel Closure,” New England Poultry Health Conference, Portsmouth, NH, 1995
- “Inflammatory Process – Potential Hatchery Influences,” Arkansas Poultry Symposium, Fayetteville, AR, 1995.
- “Hatchery Impact on Proper Navel Closure,” 44<sup>th</sup> Western Poultry Disease Conference, Sacramento, CA, 1995
- “Mycoplasma Field Issues and Diagnostics,” 29<sup>th</sup> Annual Meeting on Poultry Health and Processing, Ocean City, MD, 1994
- “The Influence of Breeder and Hatchery Management on Respiratory Disease,” AAAP Symposium on Respiratory Diseases of Broilers and Turkeys, 131<sup>st</sup> Annual Meeting, American Veterinary Medical Association, San Francisco, CA, 1994
- “Evaluating Chick Quality,” Delmarva Poultry Industry 1994 Flocks Supervisor’s Conference, Delmar, MD, 1994.
- “Hatchery Management, Sanitation, and Chick Quality,” DeKalb Hatchery Seminar, DeKalb, IL, 1994
- “Interpretations of Hatchery Influences on Chick Quality,” Georgia Poultry Health Seminar, Atlanta, GA 1993
- “Wintertime Chick Quality and Hatchery Management,” Perdue Hatchery Manager Seminar, Salisbury, MD, 1993
- “Multisystemic Adenovirus Infection in Broiler Chicks with Hypoglycemia and Spiking Mortality,” Avian Medicine Section 130<sup>th</sup> Annual Meeting, American Veterinary Medical Association, Minneapolis, MN 1993
- “Hatchery Guidelines: A Production Approach,” Avian Medicine Section 130<sup>th</sup> Annual Meeting, American Veterinary Medical Association, Minneapolis, MN, 1993.
- “Inflammatory Process and Ascites: Hatchery Influences?” Arkansas Poultry Symposium, Fayetteville, AR, 1993
- “Biosecurity, A Wise Investment,” Perdue Breeder Grower Seminar, Harrisonburg, VA and Petersburg, WV, 1993
- “Spiking Mortality on Delmarva,” Arkansas Poultry Symposium, Springdale, AR, 1992
- “Critical Control Points in the Production of a Good Quality Chick Without Formaldehyde,” Georgia Poultry Conference, Gainesville, GA, 1992
- “Pullet and Breeder Disease Problems,” Perdue Poultry Health Seminar, Salisbury, MD, 1991
- “Killed Vaccination Accuracy Testing,” Perdue Poultry Health Seminar, Salisbury, MD, 1991
- “Day of Age IBD Vaccination,” 1991 Delmarva Hatchery and Breeder Flock Management Short Course, Delmar, MD, 1991

- “Life After Formaldehyde,” Delmarva Hatchery Association, Salisbury, MD 1991
- “Chick Quality Assessment and Influences,” Perdue Poultry Health Seminar, Salisbury, MD, 1990
- “Chick Quality Assessment and Influences,” Perdue Roasters Grower Seminar, Salisbury, MD, 1990
- “Diazinon Toxicity in Broilers,” 37<sup>th</sup> Western Poultry Disease Conference, Davis, CA 1988
- “Evaluation of Biosecurity in Broiler Breeders,” Avian Medicine Section 123<sup>rd</sup> Annual Meeting, American Veterinary Medical Association, Atlanta, GA 1986
- “Prevalence of Diseases in Quail, Diagnostic Submission,” Avian Medicine Section 122<sup>nd</sup> Annual Meeting, American Veterinary Medical Association, Las Vegas, NV, 1985



## ACPV Application for Emeritus Membership

Name: Dr. Douglas Grieve

Address:

26829 Palo Place

Dallas Center, Iowa 50063

Email: douglasbgrieve@aol.com

Phone: (515) 306-3530

Birthplace: Jackson, MI

Birth date: 11/22/1954

Citizenship/Permanent Residency: United States

### **Additional Information**

How long have you been a member of ACPV?: 26

Resume of your experience in avian medicine:

*(Recent positions, please give employer name, title, type of work and years spent)*

See below.

What are you doing now?:

Retired from Hy-Line. in 2020. Cnow consulting with one layer company in China

Other Comments:

Resume:

1987-1994 Solvay Animal Health, Charles City, IA; Technical Service Veterinarian

1994-2020 Hy-Line International, West DesMoines, IA, Technical Service Veterinarian

## ACPV Application for Emeritus Membership

Name: Dr. Linnea Newman

Address:

14 Hudson Ave, Apt 301  
Glens Falls, New York 12801

Email: linnea\_newman@yahoo.com

Phone: (518) 932-5195

Birthplace: Akron, OH

Birth date: 7/29/1958

Citizenship/Permanent Residency: United States

### **Additional Information**

How long have you been a member of ACPV?: 30

Resume of your experience in avian medicine:

*(Recent positions, please give employer name, title, type of work and years spent)*

See below.

What are you doing now?:

I am currently on long term disability with terminal multiple myeloma cancer. I am not involved in any professional activities, except now and then when a Merck colleague has a request.

Other Comments:

**LINNEA J. NEWMAN, DVM**  
**Global Technical Lead – Poultry Intestinal Health Merck-MSD Animal Health**

17 Pine Street · North Creek, NY 12853 · (518) 251-5524 · linnea.newman@merck.com

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TECHNICAL QUALIFICATION SUMMARY

- Two years' experience as the sole production veterinarian for U.S. broiler integrator Gold 'n Plump Poultry (Minnesota) providing technical advice for poultry health, hatchery management, field management, live haul and processing.
- Thirty-one years' technical service experience through Intervet/Schering-Plough/Merck Animal Health. Current position: Global Poultry Technical Director for Merck Animal Health.
- Range of experience includes:
  - design, implementation and monitoring of respiratory, IBD, reovirus and coccidiosis vaccination programs in broilers; salmonella monitoring and control at integrator level.
  - design and evaluation of broiler breeder vaccination programs;
  - evaluation of broiler chick quality, and development of chick quality/hatchery improvement plans;
  - evaluation of live haul, first processing and trim at the processing plant;
  - development of programs to improve carcass quality and yield from live haul to chill;
  - monitoring intestinal health; antibiotic-free (No Antibiotics Ever) and organic broiler production;
  - troubleshooting poultry health issues, including respiratory disease, IBD, fowl cholera, intestinal disease, cellulitis, flock uniformity and performance;
  - educating/ training flock supervisors and poultry producers in poultry health and management; extensive presentation experience.
  - poultry product education and training of global MAH poultry employees and managers;
  - development of training programs for technical, sales and management of the MAH global poultry business unit;
  - technical writing, including technical bulletins, product bulletins, catalogs and labels, product detailers, PR articles, PowerPoint presentation tools;
  - design and implementation of field market support studies to enhance technical marketing strategies, with particular focus on intestinal health, hatchery and processing.
- Technical strengths: integrator broiler health, including respiratory disease, IBD and with special emphasis on intestinal health since 2002; practical production topics, including chick quality, feed withdrawal and broiler processing; antibiotic free production management; technical writing at production manager level; training programs, international presentation.

## PROFESSIONAL EXPERIENCE

- 2010- PRESENT MERCK ANIMAL HEALTH, INC  
Global Poultry Technical Director
- 2003 – 2009 INTERVET/SCHERING- PLOUGH ANIMAL HEALTH, INC.  
US: Consultant – technical writing, technical consulting, training, travel for major presentations.  
Canada (2006-07): 50% consultant (in addition to US writing contract) for field technical services – 100% field travel.
- 2002 INTERVET, INC.  
Half-time consultant – technical writing, sales training. Developed US product catalog.
- 1988-2002 SCHERING- PLOUGH ANIMAL HEALTH, INC.  
Full-time traveling consultant - technical service to U.S. and global customers including vaccination program design, hatchery and processing plant troubleshooting, vaccination monitoring, flock supervisor education, flock disease/performance troubleshooting, sales training, technical writing, public speaking.
- GOLD ‘N PLUMP  
Full-time staff veterinarian for Minnesota broiler integrator processing one million broilers per week, average weight 5 lbs. Established and operated the company’s poultry disease laboratory, conducted ELISA serology, bacteriology and developed a salmonella monitoring program. Contributed to vaccination program design, disease management, condemnation reduction.

## BOARD-CERTIFIED SPECIALTY

- AMERICAN COLLEGE OF POULTRY VETERINARIANS 1992

## EDUCATION

- DOCTOR OF VETERINARY MEDICINE, University of Minnesota, St. Paul, MN 1986
- MASTERS OF VETERINARY SCIENCE, University of Minnesota, St. Paul, MN 1984
- BACHELOR OF SCIENCE, Biology, Anthropology, Chemistry, University of Wisconsin, Stevens-Point, WI 1980

## PROFESSIONAL AFFILIATIONS

- AMERICAN VETERINARY MEDICAL ASSOCIATION
- AMERICAN ASSOCIATION OF AVIAN PATHOLOGISTS
- AMERICAN COLLEGE OF POULTRY VETERINARIANS (Board member 2001 - 2006; President July 2004 – July 2005)

## PUBLICATIONS

I have produced over 300 technical bulletins and over 50 proceedings published for producer seminars. Recent AAAP presentations 2010, 2011, 2012, 2014, 2016, 2017, 2018, 2019; special invited coccidiosis speaker AAAP/PSA coccidiosis seminar 2011. Other general publication subjects include:

- A Field Guide to Broiler Chick Quality
- A Field Guide to Broiler Respiratory Disease
- Necrotic Enteritis: Managing Without Antibiotics
- Use of a Live Coccidiosis Vaccine to Change a Salinomycin-Resistant Field *Eimeria maxima* Population. (with Dr. Harry Danforth, USDA)
- They’re Dying, 100 a Day! A Flock Supervisor’s Guide to Recognizing and Handling Common Broiler Diseases.
- A Field Guide to ELISA for Broiler Breeders
- Poult Enteritis and Mortality Syndrome, Final Report NC Roundtable 2002
- Feed Withdrawal: Broiler Intestinal Changes (with Dr. Stan Savage, PDR)
- Co-editor AAAP Avian Diseases Book 2005 – 2018.
- Breeder/Layer Coccidiosis Vaccine Comparison, Parts 1 and 2 (with Greg Mathis) Journal of Applied Poultry Research (2017)

## ACPV Application for Emeritus Membership

Name: Dr. Y.M. Saif

Address:

7053 Cedar Valley Road  
West Salem, Ohio 44287

Email: saif.1@osu.edu

Phone: (330) 263-3743

Birthplace: Egypt

Birth date: 12/23/1934

Citizenship/Permanent Residency: United States

### **Additional Information**

How long have you been a member of ACPV?: 30

Resume of your experience in avian medicine:

*(Recent positions, please give employer name, title, type of work and years spent)*

See below.

What are you doing now?:

Enjoying retirement with my wife Linda, son Justin and 2 granddaughters.

Other Comments:

Yehia Saif

Born in Egypt and graduated from the College of Veterinary Medicine, Cairo University in 1958. He completed a PhD degree in 1967 at the College of Veterinary Medicine (CVM), The Ohio State University (OSU). In 1973, he qualified as a Diplomate of the American College of Veterinary Microbiologists (ACVM), and in 1991 he became a Charter Diplomate of the newly formed American College of Poultry Veterinarians (ACPV). Upon receiving his PhD he joined the Department of Veterinary Science, the predecessor of the current Food Animal Health Research Program, Ohio Agricultural Research and Development Center, and the Department of Veterinary Preventive Medicine, CVM, OSU. He was promoted from assistant to associate to full professor, and in 1993, became the head of the Department and assistant dean of the CVM.

His research career encompassed diverse studies on bacterial, fungal and viral diseases and the immune response of turkeys. Subjects studied included mycoplasmosis, colibacillosis, pasteurellosis, erysipelas, aspergillosis, paramyxovirus, infectious bursal disease (IBD), enteric viruses and influenza viruses. Among his research accomplishments were the first demonstration of the interspecies transmission of influenza viruses and coronaviruses, elucidating the molecular basis of interspecies transmission of influenza viruses, the first demonstration of the diversity of antigenic types of infectious bursal disease viruses, the discovery of several avian enteric viruses and defining their pathogenesis and epidemiology, providing first description of the production and metabolism of the 3 turkey immunoglobulins. He established and maintained a specific-pathogen-free turkey flock in 1964 to support experimental disease research. He served as president of the American Association of Avian Pathologists, the ACVM and the ACPV. He served or chaired several AAAP committees and he currently represents the AAAP at the AVMA House of Delegates. He received several awards from the AAAP including the Upjohn Research Achievement Award, Special Service Award, and the Life Membership Award. Industry awards included the National Turkey Federation Research Award, the Ohio Poultry Association Service Award and the Golden Feather Award. Academic awards included Distinguished Senior Scientist, CVM Beecham Research Award, Outstanding Service Award, and Graduate Education Excellence Award. He is also the recipient of the AVMA Excellence in Poultry Research Award and the ACVM Distinguished Veterinary Microbiologist Award and the Honorary Diploma of the American Veterinary Epidemiology Society. In 2013, he was elected inaugural member of the Hall of Honor of the World Veterinary Poultry Association. Prior to his retirement in 2013, he had published 170 peer-reviewed manuscripts and 28 book chapters. He mentored 21 PhD and 10 MSc candidates. His laboratory is designated the OIE Expert laboratory for IBD virus. He was associate editor then editor-in-chief of the 11 & 12th editions of Diseases of Poultry. Editor in Chief of Avian Diseases from 2014-2023.