

Charles Gregory (Greg) Aldrich, Ph.D.

Grain Science and Industry, Kansas State University
001-3 East Waters Hall, 1301 Mid-Campus Drive
Manhattan, KS 66506
785-532-6199

Areas of Expertise: The effect of pet food processing on safety, nutrition, and shelf-life.

Education

Ph.D. Ruminant Nutrition (1995) University of Illinois: Effects of heat and chemical treatment of whole oilseeds on site of digestion of protein and lipid by cattle

M.S. Animal Sciences (1991) University of Missouri: Feed intake, diet utilization, and thermal balance of ruminants as affected by endophyte-infected tall fescue

B.S. Agriculture (1984) Kansas State University: Animal Sciences and Industry

Experience

Kansas State University, Manhattan, KS

Research Associate Professor & Pet Food Program Coordinator, 2012-Present

Faculty member in the Department of Grain Science and Industry with two key responsibilities: 1) assisting a cross-campus team in the development of a pet food program, and 2) building a research program pertaining to the effects of food processing on nutrient retention, shelf-life, and safety of pet foods.

Pet Food & Ingredient Technology, Inc., Manhattan, KS

President, 2003-Present

Nutrition and technical support to pet food manufacturers and ingredient suppliers.

Menu Foods, Ltd., Toronto, ON (acquired by Simmons Pet Food, Inc. in 2010)

Vice President, Product Development, 2002-2003

Kemin Industries, Inc., Des Moines, IA

Director, Research & Development, 2000-2002

The Iams Company, Dayton, OH

(acquired by Procter & Gamble [1999] then Mars Pet Care [2014])

Manager, New Technology Development, 1998-2000

Research Nutritionist, Nutritional Development Research, 1995-1998

University of Illinois at Urbana-Champaign, Urbana, IL

Graduate Research Assistant and Ph.D. Candidate, 1990-1995

University of Missouri-Columbia, Columbia, MO
Graduate Research Assistant and M.S. Candidate, 1988-1990

Garden City Co-op, Inc., Garden City, KS
Sales and Nutrition Manager, 1987-1988
Feed Fieldman, 1985-1987

Farmer & Rancher, Garfield, KS 1983-1985

Organizations

American Society of Animal Science: Professional Member
Companion Animal Program Committee: Standing Member
Chairman 2006-2007, Vice-Chairman 2005-2006, Member 2004-2005
American Society of Nutrition
American Academy of Veterinary Nutrition
Fats and Proteins Research Foundation: Research Committee Member
Institute of Food Technologists – Professional Member
International Association for Food Protection – member 2018
American Association of Cereal Chemists International – member 2018
Pet and Animal Food Planning Committee Chair (2018-present)

Graduate Faculty Memberships

Member of Grain Science Graduate Program Committee, 2016-Present
Certified Member of Grain Science Graduate Faculty, Kansas State University, 2015-Present
Member of Grain Science Graduate Faculty, Kansas State University, 2012-present

Research Supervision

Amanda Dainton; PhD student, Fall 2018 - Present
Heather Acuff; PhD student, Summer 2018 - Present
Janak Dhakal; PhD, Post-Doctoral Fellow, Food Microbiology, Oct 2017 - Present
Aiswariya Deliephan; PhD Student, Spring 2018 - Present
Julia Guazzelli Pezzali; M.S. Student, Fall 2017 - Present
Morts, Megan: Ph.D. Student, Fall 2016-Present
Donadelli, Renan: Ph.D. Candidate, Spring 2015-Present
Alvarenga, Isabella: M.S., Spring 2016; Ph.D. Candidate Fall 2016-Present
Smith, Spencer: M.S., Fall 2018-Employed by Hill's Pet Nutrition, Inc.
Molnar, Lydia: M.S. Spring 2017; Employed by Merrick Pet Foods (A Nestle-Purina Company)
Jeffrey, Andrea: M.S., Spring 2016; Employed by Simmons Pet Food, Inc.
DeNoya, Shelby: M.S., Fall 2015; Employed by Purina-LOL, Inc.
Gray, Morgan Nicole: M.S., Fall 2015; Employed by Mars Pet Care, Inc.
Mooney, Alaina: M.S., Spring 2016; Employed by Lortscher Animal Nutrition, Inc.
Simmons, Analena: M.S., Fall 2015; Employed by Hill's Pet Nutrition, Inc.

Graduate Thesis Committee Member

David Gomez Baquero (MS, 2018)

ShiWei Li (MS., 2018)

Seitz, Dan (M.S., pending)
Han Li (MS., 2017)
Di Donfrancesco, Brizio (Ph.D., 2016)

Morts, Megan (M.S., 2015)
Gibson, Michael (M.S., 2015)
Graham, Nichole (M.S., 2015)

Undergraduate Research Advisor/Mentor

Luis Lopez F18*	Silva, Ingrid S17*	Rokey, Jordan F13
Erryn Goods S18	Stone, Debra S16	Doyle, Molly S13
Natalie Booth F17	Smith, Spencer S16	Mathe, Sarah S14
Dayanna Valerio Su17	Dainton, Amanda S14	

*Developing Scholars Program

Teaching

Lead Instructor

GRSC 750 Pet Food Formulation for Commercial Production (added Jan 2018)
GRSC 900 Graduate Seminar in Grain Science
GRSC 645 Pet Food Processing
GRSC 645z Distance: Pet Food Processing
ASI 677 Companion Animal Nutrition

Guest Lecturer

FDSCI 302 Food Science: Introduction to the Pet Food Industry
GRSC 101 General Agriculture: Introduction to the Pet Food Industry
GRSC 530 Grain Science Management: Principals of Project Management
ASI 318 Fundamentals of Nutrition: Companion Animal Nutrition
GRSC 510 Feed Technology I: Overview of the Pet Food Industry and Pet Food Processing

Short Course Instruction

Pet Food Formulation for Commercial Production (IGP – 1st offering; Jan 2018): Lead Instructor
Cochrane Fellowship Program on Introduction to U.S. Pet Food – Serbia (USDA: Foreign Agricultural Service): Mar 2018: Lead Instructor.
Introduction to the Commercial Pet Food Industry and Practices: American College of Veterinary Nutritionists (IGP, Sep 2016, 2018): Lead Instructor
Pet Food Workshop: a) Pet Food Industry Trends, b) Micro-ingredients in Pet Food, c) Pet Food Formulation (IGP): Guest Lecturer (2015-present)

Outreach

Petfood Forum: Master of Ceremonies (Kansas City Convention Center) 2012-2018
Petfood Forum: Moderator and Panelist: Town Hall Discussions – 2016 - 2018
Petfood Innovation Workshop: Lead organizer and content manager (KSU-Olathe) 2015-2018
K-State Pet Food R&D Showcase: Lead organizer and content manager (KSU-Manhattan) 2015-2018
Kibble Technology: Lead organizer and content manager (University Autonoma de Baja California) and Measuring Mixer Efficiency Demonstration with Isabella Alvarenga (2016)

Journal Manuscript Reviewer

Animal Feed Science & Technology

Journal of Animal Physiology and Animal Nutrition
Journal of American Veterinary Medical Association
Journal of Sensory Analysis
Journal of Applied Poultry Nutrition

Patents Pending

Proteinaceous gummy treats for pets. Ref. No. K 14-11. Inventors: Greg Aldrich, Sarah Mathe

Grant Support for the period November 2017 to November 2018: 16 proposals for total \$1,610,860.38 submitted with most pending (2 for \$77,405.00 awarded, and 1 for \$217,208.00 not awarded).

Training and Certification:

HACCP
PCQI

List of Publications

Magazine Articles - Petfood Industry

1. **Aldrich, G.** 2018. So what is 'right' about corn in pet diets? Pages 34-36 in Petfood Industry, November 2018. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
2. **Aldrich, G.** 2018. Grain-free dog food alert: Many questions still to answer. Pages 46-48 in Petfood Industry, October 2018. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
3. **Aldrich, G.** 2018. Don't panic yet about peas and potatoes in dog food diets. Pages 46-48 in Petfood Industry, September 2018. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
4. **Aldrich, G.** 2018. Legume seed oligosaccharides: How much is just right in dog and cat diets? Pages 40-43 in Petfood Industry, July 2018. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
5. **Aldrich, G.** 2018. Lamb meal: Once novel, now a more mainstream commodity. Pages 40-42 in Petfood Industry, June 2018. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
6. **Aldrich, G.** 2018. Chicken meal: Is there anything new with this ingredient's use in pet food? Pages 46-48 in Petfood Industry, May 2018. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
7. **Aldrich, G.** 2018. Soybean meal: A quality ingredient with a lot of critics. Pages 60-62 in Petfood Industry, April 2018. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL

8. **Aldrich, G.** 2018. Fish meal: Supply, preservation biggest challenges for dog and cat diets. Pages 68-70 in Petfood Industry, March 2018. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
9. **Aldrich, G.** 2018. Rice: longstanding staple for calories in dog and cat diets. Pages 46-49 in Petfood Industry, February 2018. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
10. **Aldrich, G.** 2018. Agar-agar: gelling agent option for canned dog and cat foods. Pages 48-49 in Petfood Industry, January 2018. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
11. **Aldrich, G.** 2017. Caramel Color: natural brown color for pet food with a hint of controversy. Pages 48-50 in Petfood Industry, December 2017. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
12. **Aldrich, G.** 2017. Beans: Where are they in dog and cat foods? Pages 38-40 in Petfood Industry, November 2017. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
13. **Aldrich, G.** 2017. Beyond grain free: wild rice for dog and cat foods. Pages 50-52 in Petfood Industry, October 2017. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
14. **Aldrich, G.** 2017. Beyond grain free: Sprouted grains and malt for dogs and cats. Pages 58-61 in Petfood Industry, September 2017. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
15. **Aldrich, G.** 2017. Beyond grain free: Chia as a modern ancient grain for dog and cats. Pages 46-49 in Petfood Industry, July 2017. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
16. **Aldrich, G.** 2017. Beyond grain free: ancient grains of wheat in dog and cat diets. Pages 38-41 in Petfood Industry, June 2017. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
17. **Aldrich, G.** 2017. Beyond grain free: sowing the seeds of change in dog and cat diets. Pages 56-57 in Petfood Industry, May 2017. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
18. **Aldrich, G.** 2017. Maltodextrins: a unique sugar for special pet food applications. Pages 48-49 in Petfood Industry, April 2017. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
19. **Aldrich, G.** 2017. Green tea extract: Is this herb safe in dog, cat diets? Pages 72-74 in Petfood Industry, March 2017. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL

20. **Aldrich, G.** 2017. Soybean hulls: Filler or quality fiber source for dogs and cats? Pages 46-47 in Petfood Industry, February 2017. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
21. **Aldrich, G.** 2017. Psyllium seed husks: Fiber source for dog and cat diets? Pages 50-51 in Petfood Industry, January 2017. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
22. **Aldrich, G.** 2016. Cranberries in dog and cat food: Any direct benefit? Pages 46-47 in Petfood Industry, December 2016. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
23. **Aldrich, G.** 2016. Millet: An alternative ingredient in dog and cat food? Pages 40-41 in Petfood Industry, November 2016. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
24. **Aldrich, G.** 2016. Duck in dog, cat food: The other red meat? Pages 46-47 in Petfood Industry, October 2016. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
25. **Aldrich, G.** 2016. Copper-associated liver disease in dogs: genetics issue? Pages 48-49 in Petfood Industry, September 2016. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
26. **Aldrich, G.** 2016. Molasses: Sweetener or functional carbohydrate? Pages 52-53 in Petfood Industry, July 2016. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
27. **Aldrich, G.** 2016. Lipoic acid: Significant benefits for aging pets? Pages 40-41 in Petfood Industry, June 2016. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
28. **Aldrich, G.** 2016. Gelatin: Has its time come for pet food applications? Pages 48-49 in Petfood Industry, May 2016. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
29. **Aldrich, G.** 2016. Green lipped mussel: Pet joint health support? Pages 52-53 in Petfood Industry, April 2016. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
30. **Aldrich, G.** 2016. Folic acid: Essential vitamin for dogs and cats. Pages 86-87 in Petfood Industry, March 2016. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
31. **Aldrich, G.** 2016. Meat and novel proteins in pet food. Pages 46-47 in Petfood Industry, February 2016. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
32. **Aldrich, G.** 2016. Vitamin B₁₂ (Cyanocobalamin): A small add with a big story. Pages 44-45 in Petfood Industry, January 2016. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL

33. **Aldrich, G.** 2015. Organic acid cultures provide opportunity for natural mold inhibition. Pages 44-45 in Petfood Industry, November 2015. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
34. **Aldrich, G.** 2015. Freeze-dried meat and pet food. Pages 40-41 in Petfood Industry, October 2015. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
35. **Aldrich, G.** 2015. Could tree nuts be a novel ingredient for pets? Pages 52-53 in Petfood Industry, September 2015. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
36. **Aldrich, G.** 2015. Citrus pulp: An alternative pet food fiber source? Pages 52-53 in Petfood Industry, July 2015. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
37. **Aldrich, G.** 2015. Buckwheat: a viable grain-free pet food ingredient? Pages 38-39 in Petfood Industry, June 2015. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
38. **Aldrich, G.** 2015. Casein: Does it have a use in pet food? Pages 54-55 in Petfood Industry, May 2015. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
39. **Aldrich, G.** 2015. Is extra biotin beneficial for pets' skin and coat? Pages 52-53 in Petfood Industry, April 2015. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
40. **Aldrich, G.** 2015. Zinc sources: A matter of choice in the petfood industry. Pages 84-85 in Petfood Industry, March 2015. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
41. **Aldrich, G.** 2015. Protein quality: Real nutrition versus public perception. Pages 45-46 in Petfood Industry, February 2015. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
42. **Aldrich, G.** 2015. Adding a little color to petfoods – naturally. Pages 50-51 in Petfood Industry, January 2015. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
43. **Aldrich, G.** 2014. DL-methionine in short supply – what are the options? Pages 46-47 in Petfood Industry, December 2014. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
44. **Aldrich, G.** 2014. Could pumpkin ever be more than a petfood novelty? Pages 42-43 in Petfood Industry, November 2014. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
45. **Aldrich, G.** 2014. Is resistant starch a future fiber in petfoods? Pages 40-41 in Petfood Industry, October 2014. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
46. **Aldrich, G.** 2014. News from the JAM companion animal program. Pages 54-55 in Petfood Industry, September 2014. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL

47. **Aldrich, G.** 2014. News from AAVN Nutrition and Research Symposium. Pages 48-49 in Petfood Industry, July 2014. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
48. **Aldrich, G.** 2014. Propylene glycol: When, where and how should it be used. Pages 42-43 in Petfood Industry, June 2014. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
49. **Aldrich, G.** 2014. Venison, rabbit, buffalo: Throwback to our pets' past. Pages 40-41 in Petfood Industry, May 2014. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
50. **Aldrich, G.** 2014. Copper sulfate: A standard of reference for copper in petfood. Pages 40-41 in Petfood Industry, April 2014. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
51. **Aldrich, G.** 2014. Coconut oil: Does it belong in commercial petfoods? Pages 86-87 in Petfood Industry, March 2014. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
52. **Aldrich, G.** 2014. Grapes and raisins: Are they really toxic to pets? Pages 48-49 in Petfood Industry, February 2014. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
53. **Aldrich, G.** 2014. Fillers: Are they incorrectly vilified? Pages 46-49 in Petfood Industry, January 2014. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
54. **Aldrich, G.** 2013. Glycemic index: Elegant technique in search of a petfood product claim. Pages 44-47 in Petfood Industry, December 2013. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
55. **Aldrich, G.** 2013. Lecithin: Emulsifier and more. Pages 38-41 in Petfood Industry, November 2013. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
56. **Aldrich, G.** 2013. L-lysine monohydrochloride: A key amino acid. Pages 44-45 in Petfood Industry, October 2013. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL
57. **Aldrich, G.** 2013. Poultry by-product meal and poultry meal: Is there a difference? Pages 56-57 in Petfood Industry, September 2013. D. Phillips-Donaldson, ed. WATT Global Media, Rockford, IL (A rerun by request from January 2004)
58. **Aldrich, G.** 2013. Do clay minerals have merit in petfood? Pages 54-55 in Petfood Industry, July 2013. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL
59. **Aldrich, G.** 2013. Alfalfa: A smart choice for dog and cat food? Pages 42-43 in Petfood Industry, June 2013. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL
60. **Aldrich, G.** 2013. Pyridoxine hydrochloride: The stealth vitamin B₆. Pages 40-41 in Petfood Industry, May 2013. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL

61. **Aldrich, G.** 2013. Salmonella: The ingredient no one wants in their petfood. Pages 46-48 in Petfood Industry, April 2013. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL
62. **Aldrich, G.** 2013. Petfood additive a leading dental health aid. Pages 80-81 in Petfood Industry, March 2013. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL
63. **Aldrich, G.** 2013. Xanthan gum: Functional carbohydrate for petfoods? Pages 44-45 in Petfood Industry, February 2013. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL
64. **Aldrich, G.** 2013. Ancient grains for today's petfood: Amaranth and quinoa. Pages 42-43 in Petfood Industry, January 2013. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL
65. **Aldrich, G.** 2012. Soybean oil: Food industry staple right for petfood?. Pages 44-45 in Petfood Industry, December 2012. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL
66. **Aldrich, G.** 2012. Yucca schidigera: Latin for odor-reducing petfood ingredient. Pages 48-49 in Petfood Industry, November 2012. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL
67. **Aldrich, G.** 2012. Organ meats: quality source of protein for pets. Pages 40-41 in Petfood Industry, October 2012. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL
68. **Aldrich, G.** 2012. Pea proteins: Alternative protein source for petfoods? Pages 54-55 in Petfood Industry, September 2012. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL
69. **Aldrich, G.** 2012. Lactic acid: magic bullet for petfood safety? Pages 42-43 in Petfood Industry, July 2012. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL
70. **Aldrich, G.** 2012. Betaine: natural ingredient for next generation of petfoods. Pages 40-41 in Petfood Industry, June 2012. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL
71. **Aldrich, G.** 2012. Sodium bisulfate: multipurpose petfood ingredient. Pages 36-37 in Petfood Industry, May 2012. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL
72. **Aldrich, G.** 2012. Olive oil: A benefit to pet health, too? Pages 40-41 in Petfood Industry, April 2012. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL
73. **Aldrich, G.** 2012. The formulator's dilemma: How processing affects pet nutrition. Pages 60-66 in Petfood Industry, March 2012. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL

74. **Aldrich, G.** 2012. Sodium selenite: Does this petfood ingredient warrant concern? Pages 44-45 in Petfood Industry, February 2012. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL
75. **Aldrich, G.** 2012. Is 'natural' glycerin a good petfood ingredient? Pages 52-53 in Petfood Industry, January 2012. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL.
76. **Aldrich, G.** 2011. Plasma: thermoplastic gel with pet health benefits. Pages 46-47 in Petfood Industry, December 2011. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL.
77. **Aldrich, G.** 2011. Niacin: Key compound in pets' metabolism. Pages 44-45 in Petfood Industry, November 2011. D. Phillips-Donaldson, ed. Watt Publishing Co. Rockford, IL.
78. **Aldrich, G.** 2011. Salmon: nutrient-rich petfood ingredient. Pages 46-47 in Petfood Industry, October 2011. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL.
79. **Aldrich, G.** 2011. Riboflavin: golden yellow heart of a pet's metabolism. Pages 48-50 in Petfood Industry, September 2011. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL.
80. **Aldrich, G.** 2011. Bones: a "not-so-novel" source of essential pet nutrients. Pages 40-41 in Petfood Industry, August 2011. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL.
81. **Aldrich, G.** 2011. Bisphenol A: incidental non-ingredient. Pages 38-39 in Petfood Industry, June 2011. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL.
82. **Aldrich, G.** 2011. Guar gum's invisible presence in petfood. Pages 36-37 in Petfood Industry, May 2011. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL.
83. **Aldrich, G.** 2011. Tapioca: a novel starch source for petfood. Pages 44-47 in Petfood Industry, April 2011. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL.
84. **Aldrich, G.** 2011. PCBs and dioxin: side effects of our industrialized world. Pages 70-71 in Petfood Industry, March 2011. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL.
85. **Aldrich, G.** 2011. Potassium chloride: popular potassium source. Pages 48-49 in Petfood Industry, February 2011. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL.
86. **Aldrich, G.** 2011. Pea fiber: a functional petfood ingredient. Pages 48-50 in Petfood Industry, January 2011. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL.
87. **Aldrich, G.** 2010. Why is rye rarely used in petfood? Pages 48-51 in Petfood Industry, December 2010. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL.

88. **Aldrich, G.** 2010. Calcium carbonate: safe, effective, economical for pet diets. Pages 44-45 in Petfood Industry, November 2010. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL.
89. **Aldrich, G.** 2010. Is L-carnitine beneficial in 'diet' petfoods? Pages 48-49 in Petfood Industry, October 2010. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL.
90. **Aldrich, G.** 2010. Rosemary extract acts as natural antioxidant. Pages 56-57 in Petfood Industry, September 2010. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL.
91. **Aldrich, G.** 2010. Citric acid: misperceptions and misplaced blame. Pages 40-41 in Petfood Industry, August 2010. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL.
92. **Aldrich, G.** 2010. Vitamin D: for pets, sunshine isn't enough. Pages 38-39 in Petfood Industry, June 2010. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL.
93. **Aldrich, G.** 2010. Vitamin A: a balancing act. Pages 40-41 in Petfood Industry, May 2010. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL.
94. **Aldrich, G.** 2010. Peas in petfood. Pages 82-83 in Petfood Industry, March 2010. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL.
95. **Aldrich, G.** 2010. Pulses: New ingredients for petfoods? Pages 48-49 in Petfood Industry, February 2010. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL.
96. **Aldrich, G.** 2010. Call to action 2010. Pages 54-55 in Petfood Industry, January 2010. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL.
97. **Aldrich, G.** 2009. Thiamine: the 'catch me if you can' B vitamin. Pages 46-47 in Petfood Industry, December 2009. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL.
98. **Aldrich, G.** 2009. Exotic ingredients: reaching for the extreme edge. Pages 46-51 in Petfood Industry, November 2009. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL.
99. **Aldrich, G.** 2009. Protein from potatoes? Pages 42-43 in Petfood Industry, October 2009. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL.
100. **Aldrich, G.** 2009. Is vitamin C needed? Pages 52-57 in Petfood Industry, September 2009. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL.
101. **Aldrich, G.** 2009. Dietary phosphorus sources. Pages 36-37 in Petfood Industry, August 2009. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL.
102. **Aldrich, G.** 2009. Potassium sorbate: mold inhibitor of choice. Pages 34-35 in Petfood Industry, June 2009. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL.

103. **Aldrich, G.** 2009. Plankton: coming soon to a petfood near you. Pages 38-39 in Petfood Industry, May 2009. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL.
104. **Aldrich, G.** 2009. Tomato pomace: functional fiber with color. Pages 42-43 in Petfood Industry, April 2009. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL.
105. **Aldrich, G.** 2009. Is canola oil toxic? Pages 72-73 in Petfood Industry, March 2009. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL.
106. **Aldrich, G.** 2009. Potato, yam or other? Pages 40-41 in Petfood Industry, February 2009. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL.
107. **Aldrich, G.** 2009. Wheat bran: cheap filler or nutritious fiber? Pages 42-43 in Petfood Industry, January 2009. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL.
108. **Aldrich, G.** 2008. Carrageenan: for appearance's sake only? Pages 34-35 in Petfood Industry, December 2008. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL.
109. **Aldrich, G.** 2008. USA Poultry Meal: Quality Issues and Concerns in Petfoods - Online exclusive. November 2008. Petfoodindustry.com. Watt Publishing Co., Rockford, IL.
110. **Aldrich, G.** 2008. Broth: connecting food with feelings. Pages 38-41 in Petfood Industry, November 2008. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL.
111. **Aldrich, G.** 2008. Has the time for DDGS arrived? Pages 38-39 in Petfood Industry, October 2008. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL.
112. **Aldrich, G.** 2008. Textured vegetable protein: all about appearance. Pages 54-55 in Petfood Industry, September 2008. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL.
113. **Aldrich, G.** 2008. Dealing with choline chloride. Pages 34-35 in Petfood Industry, August 2008. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL.
114. **Aldrich, G.** 2008. Kelp: a viable source of iodine? Pages 38-39 in Petfood Industry, June 2008. D. Phillips-Donaldson, ed. Watt Publishing Co., Rockford, IL.
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72. **Aldrich, G.** 2003. Nutrition update: Controversies and claims. Pages 100-113 in Proc. Petfood Forum Europe 2003. Petfood Industry/Watt Publishing Co., Amsterdam, The Netherlands.
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Presentations without Proceedings

1. **Aldrich, G.** 2018. Grain-Blame: Is there solid evidence behind Pet Food's angst over starches. AACCI (abstr) London, UK. Oct 23 2018
2. **Aldrich, G.** 2018. Petfood R&D Showcase: Treats, Toppers, and Inclusions. Welcome & Introduction to Petfood R&D Showcase. Manhattan, KS. Oct 10, 2018
3. Hartogensis, M., **G. Aldrich**, and L. Freeman. 2018. Mechanisms of Foods & Nutrition: A Case for Formulation. In: FDA possible dog food link to cardiomyopathy – Question & Answer Report. Petfood Industry Webinar. Sep 4, 2018.
4. **Aldrich, G.** 2018. Pet Foods & Nutrition: Latest Trends. Midwest Shippers/US Soybean Export Council Annual Meeting. Kansas City, MO. Aug 30, 2018.
5. **Aldrich, C.G.**, M.E. Morts, and R.A. Donadelli. 2018. Miscanthus Grass (aka FiberMax-7): Pet Food Processing and Feeding Trials. International Ingredients, Nutrition Advisory Board. St. Louis, MO. Aug 8, 2018.
6. **Aldrich, G.** 2018. What does "Clean Label" mean for pet food: Regulations, supply chain, and food processing, with critics, retailers, and consumers. (abstr) Amer. Meat. Sci. Inst., Reciprocal Meats Conference. Kansas City, MO. June 26, 2018
7. Yuhas, E., **G. Aldrich**, T. Blurton, C. Enright, S. Morris, and M. Wustenberg. 2018. CEO roundtable: attracting and retaining talent in the hyper-competitive pet food industry. Panel Discussion. Petfood Forum. Kansas City, MO. Apr 25, 2018.
8. **Aldrich, G.** 2018. New Product Development Journey. Petfood Innovation Workshop. K-State Olathe. Apr 23. 2018.
9. **Aldrich, G.** 2018. Pet Food - Alternative Foods & Ingredients. Lecture to Companion Animal Nutrition class, Animal Science Department, College of Agriculture, University of Arkansas. Fayetteville. Apr 13, 2018
10. **Aldrich, G.** 2018. Ancient grains and alternatives within traditional grains. In: Rethinking grains in today's pet food. Petfood Industry Webinar. Mar 26, 2018.
11. **Aldrich G.** 2018. Is Sorghum a Superfood for Modern Pet Food? Sorghum Improvement Conference of North America. St. Louis, MO Jan 31, 2018.
12. **Aldrich, C.G.** 2017. Pet Nutrition: Latest Trends. International Ingredients Corp., Nutrition Advisory Board. Nov, 6 2017.
13. **Aldrich, C.G.** 2017. Marine Proteins and Fats in Pet Foods. Presentation to the IFFO conference, Washington DC 23Oct2017.

14. **Aldrich, C.G.** 2017. How to solve extruded LID pet food production challenges. Oct 18, 2017 Webinar presented by Watt Global Media's Petfood Industry Magazine sponsored by Extru-Tech, Inc.
15. **Aldrich, C.G.** 2017. Alternative co-product streams from grains used in pet food applications. Pet Food R&D Showcase. 11Oct2017. KSU Foundation Center.
16. Pontious, B., **Aldrich, G.** 2017. Evaluation of carriers for use in supplemental nutrient premixes in pet food and animal feeds. Poster: Pet Food R&D Showcase. 11Oct2017. KSU Foundation Center.
17. Alvarenga, I.C., Ou, Z., **Aldrich, C.G.** 2017. Comparison of four digestibility markers to estimate fecal output of dogs. Pet Food R&D Showcase. 11Oct2017. KSU Foundation Center.
18. Alvarenga, I.C., **Aldrich, C.G.** 2017. Introducing new profit streams for grain sorghum: milling characteristics and inclusion considerations for use in pet foods. Pet Food R&D Showcase. 11Oct2017. KSU Foundation Center.
19. Alvarenga, I.C., **Aldrich, C.G.** 2017. Effects of Diets Containing Sorghum Fractions on Digestibility and Antioxidant Capacity of Dogs. Pet Food R&D Showcase. 11Oct2017. KSU Foundation Center.
20. Morts, M.E., **Aldrich, C.G.**, Jones, C.K., Beyer, S.R. 2017. An evaluation of the protein quality of various protein sources from chicken, whey, and soy concentrates commonly used in pet diets and select human performance foods. Pet Food R&D Showcase. 11Oct2017. KSU Foundation Center.
21. Donadelli, R.A., **Aldrich, C.G.** 2017. Effects of Miscanthus grass as a dietary method to aid hairball control in cats. Pet Food R&D Showcase. 11Oct2017. KSU Foundation Center.
22. Smith, S., **Aldrich, C. G.** 2017. Effect of distillers dried grains on processing parameters of extruded dog and cat foods. Pet Food R&D Showcase. 11Oct2017. KSU Foundation Center.
23. Alvarenga, I.C., **C.G. Aldrich.** 2017. Comparison of Four Digestibility Markers to Estimate Fecal Output in Dogs. Grain Science Graduate Student 10th Annual Symposium. 23Sep2017. International Grains Program, Kansas State University.
24. Donadelli, R.A., **C.G. Aldrich.** 2017. Effect of Fiber Type on Extruded Dog and Cat Foods. Grain Science Graduate Student 10th Annual Symposium. 23Sep2017. International Grains Program, Kansas State University.
25. Pezzali, J.G., **C.G. Aldrich.** 2017. Evaluation of Ancient Grains as Ingredients in Dog Diets. Grain Science Graduate Student 10th Annual Symposium. 23Sep2017. International Grains Program, Kansas State University.

26. Alvarenga, I. C., **Aldrich, C. G.** 2017. The Effects of Sorghum Fractions on Pet Food Extrusion, Digestibility and Antioxidant Capacity in Dogs. Pet Food Forum, April 23, 2017. Kansas City, MO.
27. Donadelli, R.A., **Aldrich, C.G.** 2017. Effects of Miscanthus grass on processing and nutrient utilization in extruded foods for dogs and cats. Pet Food Forum, April 23, 2017. Kansas City, MO.
28. Silva, I., **Aldrich, C.G.** 2017. Evaluation of Dehulled Faba Beans (*Vicia faba* L.) as a dietary ingredient in dog diets. LEAD 502 Developing Scholars Research Seminar SPARK event March 2017.
29. Alvarenga I., B. Di Donfrancesco, R. Donadelli, K. Koppel, and **G. Aldrich***. Inclusion of Sorghum in Pet food. K-State Research and Extension Mini-Symposium "Sorghum Research Update". K-State Alumni Center. Oct 26, 2016.
30. Alvarenga, I.C., **C. G. Aldrich.** 2016. Effects of Diets Containing Sorghum Fractions on Digestibility and Antioxidant Capacity of Dogs. Grain Science Graduate Student 9th Annual Symposium. 15Oct2016. International Grains Program, Kansas State University.
31. Alvarenga, I.C., and **C. G. Aldrich.** 2016. Introducing New Profit Streams for Grain Sorghum: Milling Characteristics and Inclusion Considerations for Use in Pet Foods. Grain Science Graduate Student 9th Annual Symposium. 15Oct2016. International Grains Program, Kansas State University.
32. Molnar, L.M., **C.G. Aldrich,** S.R. Beyer, R. Dake, and C. Jones. 2016. The effect of source and drying process on amino acid composition and protein quality of dried poultry used in high quality pet diets and select human foods. Grain Science Graduate Student 9th Annual Symposium. 15Oct2016. International Grains Program, Kansas State University.
33. Molnar, L.M., and **C.G. Aldrich.** 2016. Retention of Thiamine in a Wet Pet Food Produced to Consistent Lethality (Fo) in Containers Differing in Size and Type. Grain Science Graduate Student 9th Annual Symposium. 15Oct2016. International Grains Program, Kansas State University.
34. Donadelli. R.A., and **C.G. Aldrich.** 2016. Nutrient utilization, stool consistency, and urinary pH of cats fed Miscanthus Grass as a source of dietary fiber. Grain Science Graduate Student 9th Annual Symposium. 15Oct2016. International Grains Program, Kansas State University.
35. Donadelli R.A. and **C.G. Aldrich.** 2016. The effect of Miscanthus grass on nutrient utilization and stool consistency in food for dogs. Grain Science Graduate Student 9th Annual Symposium. 15Oct2016. International Grains Program, Kansas State University.
36. Donadelli, R.A., **C.G. Aldrich,** C.K. Jones, R.S. Beyer, and R. Dake. 2016. The amino acid composition and protein quality of various poultry and vegetable proteins commonly used in the production of dog and cat diets. Grain Science Graduate Student 9th Annual Symposium. 15Oct2016. International Grains Program, Kansas State University.

37. Chanadang, S. K. Koppel, and **G. Aldrich** Sensory analysis of extruded pet food with rendered protein meals Sep 14, 2016, K-State Pet Food Experience, KSU Alumni Center
38. **Aldrich, G.** et al., 2016. Proteins in modern pet foods: nutrient quality, processing and shelf-life considerations. Sep 14, 2016, K-State Pet Food Experience, KSU Alumni Center
39. Alvarenga I.C., **C. G. Aldrich**. 2016. Effects of Diets Containing Sorghum Fractions on Digestibility and Antioxidant Capacity of Dogs. Pet Food Experience Posters; KSU Alumni Center, 14Sep2016
40. Alvarenga I. C., and **C. G. Aldrich**. 2016. Introducing New Profit Streams for Grain Sorghum: Milling Characteristics and Inclusion Considerations for Use in Pet Foods. Pet Food Experience Posters; KSU Alumni Center, 14Sep2016
41. Molnar L.M., **C.G. Aldrich**, S.R. Beyer, R. Dake, and C. Jones. 2016. The effect of source and drying process on amino acid composition and protein quality of dried poultry used in high quality pet diets and select human foods. Pet Food Experience Posters; KSU Alumni Center, 14Sep2016
42. Molnar L.M., and **C.G. Aldrich**. 2016. Retention of Thiamine in a Wet Pet Food Produced to Consistent Lethality (Fo) in Containers Differing in Size and Type. Pet Food Experience Posters; KSU Alumni Center, 14Sep2016
43. Donadelli R.A., and **C.G. Aldrich**. 2016. Nutrient utilization, stool consistency, and urinary pH of cats fed Miscanthus Grass as a source of dietary fiber. Pet Food Experience Posters; KSU Alumni Center, 14Sep2016
44. Donadelli R.A., and **C.G. Aldrich**. 2016. The effect of Miscanthus grass on nutrient utilization and stool consistency in food for dogs. Pet Food Experience Posters; KSU Alumni Center, 14Sep2016
45. Stone D.A., R.A. Donadelli, **C.G. Aldrich**, and S.R. Beyer. 2016. Effect of fiber source and particle size on chick performance. Pet Food Experience Posters; KSU Alumni Center, 14Sep2016
46. Donadelli R.A., and **C.G. Aldrich**. 2016. Effect of different fiber sources on extrusion parameters and kibble measurements in cat food. Pet Food Experience Posters; KSU Alumni Center, 14Sep2016
47. Donadelli R.A., and **C.G. Aldrich**. 2016. The effect of fiber source on extrusion parameters and kibble measurements in food for dogs. Pet Food Experience Posters; KSU Alumni Center, 14Sep2016
48. Donadelli R.A., **C.G. Aldrich**, C.K. Jones, R.S. Beyer, and R. Dake. 2016. The amino acid composition and protein quality of various poultry and vegetable proteins commonly used in

the production of dog and cat diets. Pet Food Experience Posters; KSU Alumni Center, 14Sep2016

49. Smith, S. **C.G. Aldrich**, K. Koppel, H. Li. 2016. Development of a preference ranking test with dogs. Pet Food Experience Posters; KSU Alumni Center, 14Sep2016
50. **Aldrich C. G.**, C. K. Jones, R. P. K. Ambrose, S.A. Beyer, K.A. Koppel, S. Chanadang, and M. N. Gray Rendered ingredients in pet food: Insights into processing and time as it relates to shelf-life. 2016. Aug 24, 2016. Rendering Summit. Kemin Industries, Des Moines IA
51. Stone, D.A., R.A. Donadelli, **C.G. Aldrich**, and S.R. Beyer. 2016. Effect of fiber source and particle size on chick performance. Pet Food Forum Poster Session, 19Apr2016 Kansas City Convention Center.
52. Donadelli, R.A., and **C.G. Aldrich**. 2016. Effect of different fiber sources on extrusion parameters and kibble measurements in cat food. Pet Food Forum Poster Session, 19Apr2016 Kansas City Convention Center.
53. Donadelli, R.A., and **C.G. Aldrich**. 2016. The effect of fiber source on extrusion parameters and kibble measurements in food for dogs. Pet Food Forum Poster Session, 19Apr2016 Kansas City Convention Center.
54. Donadelli, R.A., **C.G. Aldrich**, C.K. Jones, R.S. Beyer, and R. Dake. 2016. The amino acid composition and protein quality of various poultry and vegetable proteins commonly used in the production of dog and cat diets. Pet Food Forum Poster Session, 19Apr2016 Kansas City Convention Center.
55. Molnar, L.M., **C.G. Aldrich**, S.R. Beyer, R. Dake, and C. Jones 2016. The effect of source and drying process on amino acid composition and protein quality of dried poultry used in high quality pet diets and select human foods. Pet Food Forum Poster Session, 19Apr2016 Kansas City Convention Center.
56. Alvarenga, I.C., **C. G. Aldrich**. 2016. Effects of Diets Containing Sorghum Fractions on Digestibility and Antioxidant Capacity of Dogs. Pet Food Forum Poster Session, 19Apr2016 Kansas City Convention Center.
57. Alvarenga, I.C., and **C.G. Aldrich**. 2016. The effect of feed form on diet digestibility and cecal fermentation in rabbits. Pet Food Forum Poster Session, 19Apr2016 Kansas City Convention Center.
58. **Aldrich C. G.**, C. K. Jones, R. P. K. Ambrose, S.A. Beyer, K.A. Koppel, S. Chanadang, and M. N. Gray 2016 Evaluation of animal byproducts for use in modern pet foods: Insights into protein and fat quality March 17, 2016 ALAPRE Cancun, MX
59. **Aldrich, C.G.** 2016. What you need to know about entering the pet treat/food industry. Midwest Meat Processors Workshop. 4 Feb 2016, KSU.

60. **Aldrich, C.G.**, A. Mooney, S. DeNoya-Trible, S. Alavi, and C. Jones. 2015. Vitamin degradation in processed pet food. Kansas State University Pet Food Experience. October 29, 2015.
61. **Aldrich, C.G.** 2015 Is Sorghum a Superfood for Modern Pet Food? July 22, 2015, World Pet Association's Superzoo and School of Animal Wellness, Las Vegas NV
62. **Aldrich, C.G.** 2015. Creating Ultra-Premium Petfoods: Clearing the Hurdles. July 28, 2015 Webinar presented by Watt Global Media's Petfood Industry Magazine sponsored by Extru-Tech, Inc.
63. **Aldrich, C.G.** 2015. Shared trends between pet and human foods (from a Pet Food perspective): Technical challenges and sustainability. American Meat Science Association – Reciprocal Meat Conference, June 15, 2015, Lincoln NE.
64. DeNoya-Trible, S.C., **C.G. Aldrich**. 2015. Thiamine degradation in canned food. Mini-Symposia "Fixated on Quality" DSM Technical Session, in conjunction with Petfood Forum, April 21, 2015. Kansas City.
65. Mooney, A., **C.G. Aldrich**, C.K. Jones, and S. Alavi. 2015. Vitamin stability through extrusion – New learnings. Mini-Symposia "Fixated on Quality" DSM Technical Session, in conjunction with Petfood Forum, April 21, 2015. Kansas City.
66. **Aldrich, C.G.** 2015. The impact of rendered protein meal level of oxidation on shelf life and acceptability in extruded pet food. Presented to the FPRF Scientific Advisory Board. April 21, 2015. Chicago IL.
67. **Aldrich, C.G.** 2015. Can nutrition alter dog and cat behavior? 14th Congress of Companion Animal Nutrition. Reiberio Preto City, Sao Paulo, Brazil. March 25, 2015.
68. **Aldrich, C.G.** 2015. Formulating to promote antioxidant defenses. 14th Congress of Companion Animal Nutrition. Reiberio Preto City, Sao Paulo, Brazil. March 25, 2015.
69. **Aldrich, C.G.** 2014. High Meat Formulas: Formulation and Shrink Considerations. Nov 10, 2014. Webinar presented by Watt Global Media's Petfood Industry Magazine sponsored by Extru-Tech, Inc.
70. **Aldrich, C.G.** 2015 Strategies for eliminating salmonella in pet foods in pet foods and animal feeds: A preliminary report. Arkansas Association for Food Protection and American Society for Microbiology Annual Educational Conference. Sep 12, 2014.
71. **Aldrich, C.G.** 2014. An overview of opportunities in pet food for rendered products including FPRF funded work in K-State's new program. Fats and Protein Research Foundation Emerging Issues Forum. October 22, 2014. Rancho Mirage, CA

72. **Aldrich, C.G.** 2014. Are byproducts and grains really bad for your pet? Proceedings of the Ontario Veterinary Medical Association Annual Meetings. Toronto, ON. January 31, 2014
73. **Aldrich, C.G.** 2013. Pet Food Science at Kansas State University: A road map for research, education, and value enhancement of rendered ingredients for pet food and specialty feeds. Fats & Protein Research Foundation Emerging Issues Forum. October 22, 2013. Naples, Florida
74. **Aldrich, C.G.** 2013. Pet Food Safety Research: What Do We Know Today and Where Should We Go Next? AFIA Pet Food Safety Symposium. January 29, 2013. Atlanta, GA
75. **Aldrich, C.G.** 2013 Rendered Ingredients in Pet Foods. National Renderers Association Rendering Symposium in conjunction with the International Poultry and Feed Exposition. January 31, 2013. Atlanta, GA.
76. **Aldrich, C.G.** 2013. Insuring High Quality Ingredients For Pet Foods: A proposed path forward. Poultry Protein and Fat Council, online symposium. February 29, 2013.
77. **Aldrich, C.G.** 2013. Ingredient Variation in Pet Food Production. Petfood Workshop 2013: World of Ingredients. Watt Publishing. Chicago IL, April 17-18
78. **Aldrich, C.G.** 2012. By-Product Ingredients: Quality or Slogan. Canine Animal Extension, Canine Nutritional Webinar Series, November 29, [extension.org/companion animals](http://extension.org/companion%20animals)
79. **Aldrich, C.G.** 2012. Production of Safe [Pet] Food: A review of what we know so far. Key Note Speaker, Chestnut Labs, Pet Food Safety Workshop, November 13-14, Kansas City, MO.
80. **Aldrich, C.G.** 2012. Smoothing the interface between renderers and pet food customers: A view from both sides and some ideas for improved communications, standards, and realistic expectations on oxidation of rendered products. Fats & Protein Research Foundation Emerging Issues Forum. October 23, 2012. Laguna Niguel, CA
81. **C.G. Aldrich.** 2012. The Effects of processing on Pet food nutrition: The formulators dilemma. Lecture given to Food & Drug Administration, Center for Veterinary Medicine, Scientific Community. September 19. Rockville, MD.
82. **Aldrich, C.G.** 2012. Alternative Ingredients: Utility, Nutrition, and Functional Considerations in New Pet Foods. Roquette University. September 26. Chicago, IL.
83. **Aldrich, C.G.,** 2012. New Petfood Product Development – Managing expectations and timelines. Proceedings of the Petfood Workshop 2012: New Product Development. Watt Publishing. Chicago IL, April 4-5.
84. **Aldrich, G.** 2011. The effects of processing on petfood nutrition: the formulator’s dilemma. Speaker at Petfood Forum 2011. Petfood Industry/Watt Publishing Co., Chicago, IL.

85. **Aldrich, G.** 2010. The effects of processing on pet food nutrition: the formulator's dilemma. Guest Lecturer for Animal Sciences faculty and student seminar. Fall 2010. Iowa State Univ., Ames.
86. **Aldrich, G.** 2010. The effects of processing on pet food nutrition: the formulator's dilemma. Guest Lecturer for Grain Science Seminar. Spring 2010. Kansas State Univ., Manhattan.
87. **Aldrich, G.** 2010. General session: Ask the nutrition experts. Panelist for Petfood Workshop 2010. Petfood Industry/Watt Publishing Co., Chicago, IL.
88. **Aldrich, G.** 2009. Exotic ingredients in petfoods. Speaker for Virtual Petfood Forum held on October 28, 2009. Petfood Industry/Watt Publishing Co., Chicago, IL.
89. **Aldrich, G.** 2009. Pet foods: nutrition and ingredients. Instructor for Petfood Workshop 2009. Petfood Industry/Watt Publishing Co., Chicago, IL.
90. **Aldrich, G.** 2008. New product development ideas. Expert panelist for Petfood Forum 2008. Petfood Industry/Watt Publishing Co., Chicago, IL.
91. **Aldrich, G.** 2008. Ingredient quality assurance and purchasing post-melamine: The new burden. Invited speaker at the Conference on Pet Food Ingredient Quality. Sponsored by the American Feed Industry Association and the Poultry Protein & Fat Council. January 22, 2008. Atlanta, GA.
92. **Aldrich, G.** 2007. Using non-traditional ingredients in unconventional petfoods. Speaker for Watt Publishing/Petfood Industry Magazine Webinar held on March 6, 2007.
<http://www.iiian.ibeam.com/events/watt001/21136/>
93. **Aldrich, G.** 2006. Pet food plus: Functional ingredients in the antioxidant defense system. Invited speaker at Pet Food Association of Canada Fall Conference 2006. Vancouver, BC.
94. **Aldrich, G.** 2006. Animal proteins in pet foods. Invited speaker at Fats & Proteins Research Foundation "Emerging Issues and Opportunities" Symposium. Chicago, IL.
95. **Aldrich, G.** 2005. New technologies and ingredients for pet food. Invited speaker at Pet Food Association of Canada Fall Conference 2005. Toronto, ON.
96. **Aldrich, G.** 2005. Innovative nutrition concepts for companion animals. Invited speaker at American Feed Industry Association Expo '05. Kansas City, MO.
97. **Aldrich, G.** 2004. Careers in the Petfood Industry. Seminar Speaker in Animal Sciences 580: Senior Seminar. Fall 2004. Kansas State Univ., Manhattan.
98. **Aldrich, G.** 2004. Nutritional Considerations of Dogs and Cats. Guest Lecturer in Animal Sciences 314: Comparative Animal Nutrition. Fall 2004. Univ. of Maryland, College Park.

99. **Aldrich, G.** 2004. Ingredient quality: Meeting the fat and protein needs of dogs and cats. Invited speaker at 95th AOCS Annual Meeting & Expo. Cincinnati, OH.
100. **Aldrich, G.** 2003. Considerations in Companion Animal Nutrition. Guest Lecturer in Animal Sciences 304: Companion Animal Management. Fall 2003. Kansas State Univ., Manhattan.
101. **Aldrich, G.** 2003. Considerations in Companion Animal Nutrition. Guest Lecturer in Animal Sciences 314: Comparative Animal Nutrition. Fall 2003. Univ. of Maryland, College Park.
102. **Aldrich, G.** 2003. Nutraceuticals Update. Invited speaker at Petfood Forum 2003. Petfood Industry/Watt Publishing Co., Chicago, IL.
103. **Aldrich, G.** 2003. Business Practices in the Petfood Industry. Guest Lecturer in Business 423: Operations Management. Emporia State Univ., Emporia.
104. **Aldrich, G.** 2002. Career Opportunities in the Petfood Industry. Seminar Speaker in Animal Sciences 580: Senior Seminar. Kansas State Univ., Manhattan.
105. **Aldrich, G.** 1999. Non-nutrient considerations in selection of ingredients in pet foods. Guest Lecturer in Animal Sciences 322. Univ. of Illinois, Champaign-Urbana.
106. **Aldrich, C. G.,** and R. E. Tribelhorn. 1996. Protein quality of chicken by-product meal is impacted by its composition. Poster presented at Iams International Nutrition Symposium, Boca Raton, FL.

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2. Donadelli, R., D. Stone, C.G. Aldrich, R. Beyer. 2018. Effect of fiber source and particle size on chick performance and nutrient utilization. J. Poultry Sci. (Submitted)
3. Corsato-Alvarenga, I., **C.G. Aldrich,** 2018. Extrusion Processing of Dog Diets Containing Increasing Levels of Dehulled Faba Beans (*Vicia faba* L.) Foods (Submitted)
4. Corsato-Alvarenga, I., **C.G. Aldrich,** Z. Ou. 2018. Comparison of four digestibility markers to estimate fecal output of dogs. J. Anim. Sci (Submitted)
5. Mansilla, W.D., A.K. Shoveller, C.P.F Marinangeli, K.J. Ekenstedt, **G. Aldrich,** J.A. Larsen, D.A. Columbus, L. Weber, and S.K. Abood. 2018. The association between pulse ingredients

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2. **Aldrich, C.G.** 2017. Food as Fuel: Animal Nutrition with an Emphasis on Dogs and Cats. 29Nov2016. Presentation to the CAT community, International Grains Program.

3. **Aldrich, C. G.** 2013. Towards a path forward for rendered ingredient research in pet foods. Presented at the Rendered Ingredients Summit: The yellow-brick road connecting rendered products and pet food on August 21, 2013. Kansas State Univ., Manhattan.
4. **Aldrich, C. G.** 2013. Review of feed safety research in livestock feed and pet foods. Presented at “Defining Research Needs and Opportunities” Livestock Feed and Pet Food Safety Research Round Table on August 13, 2013. Kansas State Univ., Manhattan.
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