

CURRICULUM VITAE

NAME: Amin Ahmadzadeh
RANK OR TITLE: Professor
DEPARTMENT: Animal and Veterinary Science
OFFICE PHONE: (208) 885-7409

DATE: December, 2021

EMAIL: amin@uidaho.edu

EDUCATION BEYOND HIGH SCHOOL:

Ph.D., Animal Physiology, 1998, Virginia Polytechnic Institute and State University (Virginia Tech), Blacksburg, VA
M.S., Dairy Science (Animal Physiology), 1994, Virginia Tech, Blacksburg, VA
B.S., Dairy Science, 1992, Delaware Valley College of Agriculture and Life Sciences, Doylestown, PA

EXPERIENCE:

In Educational Institutions since Receipt of Bachelor's Degree:

Teaching and Research:

2010-present, Professor, Dairy Reproduction and Management, Animal and Veterinary Science Department, University of Idaho, Moscow, Idaho (75% Teaching, 25% Research)
September 2017-2019, Professor and Chair - Animal and Veterinary Science Department, University of Idaho, Moscow, Idaho
2015-September 2017, Professor and Interim Co-Chair - Animal and Veterinary Science Department, University of Idaho, Moscow, Idaho
2006-2010, Associate Professor, Dairy Reproduction and Management, Animal and Veterinary Science Department, University of Idaho, Moscow, Idaho (75% Teaching, 25% Research)
2000-05, Assistant Professor, Dairy Reproduction and Management, Animal and Veterinary Science Department, University of Idaho, Moscow, Idaho (70% Teaching, 30% Research)
1998-99, Post-Doctoral Fellow, Department of Biomedical Science, College of Veterinary Medicine, Virginia Tech, Blacksburg, VA
1992-98, Graduate Research Assistant, Department of Dairy Science, Virginia Tech
1993-99, Teaching Assistant, Department of Dairy Science, Virginia Tech

Consultant:

USAID-Afghanistan Agricultural Extension Project II (AAEPII), provided in-country training and webinar for dairy improvement to Afghan trainees

TEACHING ACCOMPLISHMENTS:

Recipient of the **University Faculty Excellence in Advising Award**, University of Idaho, 2018
Recipient of the National **Outstanding Advisor**, American Dairy Science Association-Student Affiliate Division (ADSA-SAD), 2015
Recipient of the **Outstanding Academic Advisor**, College of Agricultural and Life Sciences (CALs), University of Idaho, 2015
Recipient of **Purina Animal Nutrition Teaching Award in Dairy Production**. American Dairy Science Association (ADSA), 2014
Recipient of **Alumni Award for Excellence in Mentorship**. University of Idaho, 2013
Recipient of **National Teacher Fellow Award, North American Colleges and Teachers of Agriculture (NACTA)**. 2012
Recipient of **Faculty Excellence Award, Naval ROTC**, University of Idaho and Washington State University, 2011
Recipient of **Outstanding Academic Advisor Award**, Western Regional American Dairy Science Association Student Affiliate Division (ADSA-SAD), 2011
Recipient of the **Regional American Society Animals Science Distinguished Teaching Award**, Western Section of American Society Animals Science (WSASAS), 2010
Recipient of the **Regional USDA Food and Agriculture Sciences Excellence in Teaching Awards**, National Association of State Universities and Land-Grant Colleges (NASULGC), 2007

Recipient of the **Outstanding Academic Advisor**, College of Agricultural and Life Sciences (CALs), University of Idaho, 2007

Recipient of the **University Teaching Excellence Award**, University of Idaho, 2006

Recipient of **R. M. Wade Teaching Excellence Award**, CALs. University of Idaho, 2004

Recipient of the **USDA-HEC**, Multi-institution grant, "A Novel Dairy Management Learning Experience for Undergraduates: The Dairy Challenge" Sept 2004, \$150,766. PI: M. S. Weber

Area of specialization:

Reproductive Physiology, Dairy Cattle Management

Courses taught (University of Idaho):

As Primary Instructor:

Principles and Practices of Dairy Science	AVS 172 (2 cr)
Dairy Cattle Management	AVS 472 (3 cr)
Animal Reproduction and Breeding	AVS 222 (4 cr)
AI and Pregnancy Detection in Cattle	AVS 218 (2 cr)
Dairy Cattle Judging	AVS 204 (1 cr)
Dairy Cattle Traits	AVS 299 (2 cr)
Physiology of Lactation	AVS 463 (3 cr)
Advanced Dairy Management	AVS 475 (3 cr)

Guest Lecture:

Reproductive Physiology	AVS 452
Beef Cattle Science	AVS 474
Sci. Animals Serve Humanity	AVS 109, 209
Anim Products Human Consum.	AVS 363

Internship Program:

AVS 299 Dairy Internship Spring 2001-Present; 10-20 students/year
AVS 398 Summer Dairy Internship Summer, 2001-2014; 31 students

Directed Study

AVS 499 Dairy Enterprise Evaluation Spring 2002-present; 4-5 students/year

Students Advised

Undergraduate students: Approximately 35 students per year

Graduate students:

Chair of Graduate Committee: completed 7 students (7 M. S., 1 Ph. D.)

Crystal Sellars, Rabi Manzo, Filiberto Frago, Jeremy Howard, Jennifer Spencer (M. S. & Ph. D.), McKenzie Corpron (M.S.), Ashalynn Bilton (M.S.),

Ongoing: Jeremy Howard (Ph.D.), Whitney Sandberg (M.S.)

Co Advisor: Danielle Gunn (M.S.), Carrie Johnson (M.S.), Trista Robison (M.S.), Chloe Autran (M.S.)

Served On Graduate Committee:

Completed 23 students (18 M. S., 6 Ph.D.): Matt Hawley (M.S.), Colleen Doherty (M.S.), Amanda Fessler (M.S.), Mitch Theurer (M.S.), Jason Brixey (M.S.), Jerry Joe Burger (M.S.), Pete Szasz (M.S.), Mike Vanderpol (M.S.), Desiree Rasmussen (M.S.), Samuel Mosley (Ph.D.); Julie Kelsey (Ph.D.); Travis Hanson (Ph.D.); Craig Gifford (Ph.D.), Mojghan Khan Mansouri (M.S.), Desiree Rasmussen (M.S.), Cassandra Roberts (M.S.), Susan Buttram (M.S.), Meghan Benschmidt (M.S.), Courtney Claypool (M.S.), Kim Davenport (M.S.), Anna Rodriguez (M.S.), Rebecca Hiltz (M.S.), Abrar Sindi (Ph. D.), Chai-Yu Tsai (Ph. D.)

Ongoing: Haley Peterson (Ph.D.)

Course Development:

Principles and Practices of Dairy Science (AVS 172; 2 cr)

Developed new course and materials for lectures and laboratory practice. Fundamental Science associated with biology of dairy cattle with emphasis on, reproduction, lactation, and nutrition. Designed a web page for the course

Dairy Cattle Traits (Directed Study; AVS 299; 1 cr)

Developed new materials for dairy cattle judging, cattle evaluation, and linear scoring

Artificial Insemination Short-Course (AVS 218; 2 cr)

Developed course materials, laboratory session, and provided artificial insemination certificate of completion

Dairy Cattle Management (AVS 472; 3 cr)

Edited and developed new materials in the areas of reproduction management, metabolic disorders, heifer management, financial bench marking, designed a new web page for the course

Reproduction and Breeding (AVS 222; 3 cr)

Developed new course materials for lectures and student handouts. Designed a new web page for the course

Physiology of Lactation (AVS 413; 3 cr)

Developed new course materials and PowerPoint presentations for the lectures

Advanced Dairy Management (AVS 475; 3 cr)

Developed new course materials on decision making strategies for modern dairy businesses with emphasis on relationships of enterprises and techniques for evaluation of business alternatives, efficiency of production, and profit. Incorporated the use of microcomputer software to support management decisions. Emphasized on production, herd replacements, herd health and production issues of management. Supervised group projects, hands-on management and dairy herd evaluation, and field trips.

HONORS AND AWARDS:

Recipient of the University Faculty Excellence in Advising Award, University of Idaho, 2018

Recipient of Outstanding Academic Advisor CALS, University of Idaho, 2015

Recipient of Purina Animal Nutrition Teaching Award in Dairy Production. American Dairy Science Association (ADSA), 2014

Recipient of Alumni Award for Excellence in Mentorship. University of Idaho, 2013

Recipient of National Teacher Fellow Award, North American Colleges and Teachers of Agriculture (NACTA). 2012.

Recipient of Outstanding Academic Advisor Award, Western Regional American Dairy Science Association Student Affiliate Division (ADSA-SAD), 2012

Recipient of Faculty Excellence Award, Naval ROTC, University of Idaho and Washington State University, 2011

Recipient of Outstanding Academic Advisor Award, Western Regional American Dairy Science Association Student Affiliate Division (ADSA-SAD), 2011

Recipient of the regional American Society Animals Science Distinguished Teaching Award, Western Section of American Society Animals Science (WSASAS), 2010

Recipient of Honorary State FFA Award. Outstanding service and support to the Idaho FFA Association and Agricultural Education in Idaho, 2008

Recipient of the Regional USDA Food and Agriculture Sciences Excellence in Teaching Awards, National Association of State Universities and Land-Grant Colleges (NASULGC), 2007

Recipient of Outstanding Academic Advisor CALS, University of Idaho, 2007

Recipient of the University Teaching Excellence Award, University of Idaho, 2006

North American Intercollegiate Dairy Challenge Platinum First Place Award 2004 and 2005 (Coach)

Recipient of R. M. Wade Teaching Excellence Award, College of Agricultural and Life Sciences.

University of Idaho, 2004
Nominated for the University Teaching Excellence Award, University of Idaho, 2004
Recipient of Dedication of 1999 Milky Way Book. Presented to Virginia Leaders and Farmers by Virginia Tech Dairy Club, Dairy Science Department, College of Agriculture and Life Sciences, 1999
Recipient of Graduate Student Teaching Excellence Award, College of Agriculture and Life Sciences, Virginia Tech, 1998
Second Place, Graduate Student Scientific Paper Presentation contest, American Dairy Science Association. ADSA, National Meeting, Denver, Colorado, 1998
First Place, Graduate Student Scientific Paper Presentation contest. ADSA, Southern Branch, Little Rock, Arkansas, 1998
Third Place, Graduate Student Scientific Paper Presentation contest. ADSA, Southern Branch, New Orleans, Louisiana, 1995
Outstanding Graduate Teaching Assistant, presented by the Virginia Tech Dairy Club, 1994

COMMITTEES:

National//Regional:

Journal of Applied Animal Science, member of Editorial Board, 2020-present
US Dairy Education and Training Consortium, Board Member, and Vice Chair, 2017-present
American Dairy Science Association, Teaching/advising symposium committee Chair 2013-2016
Dairy Cattle Reproduction Council (DCRC), Dairy Producer Award Committee, 2013-2016
USDA-SBIR. Review Panel. Member, 2012
Journal of Dairy Science, member of the Editorial Board, 2003-2010
Western Section North American Intercollegiate Dairy Challenge, Chair of organizing committee for the 2010 Western Regional Event at Twin Falls Idaho
North American Intercollegiate Dairy Challenge, National member of programming committee, 2007-2010
North American Intercollegiate Dairy Challenge, Co-Chair of organizing committee for the 2006 National Event at Twin Falls Idaho
North American Intercollegiate Dairy Challenge National Board of Director, member of fund-raising committee, 2002-2006
Western Section of American Society of Animal Science, Referee for Graduate Student Paper Competition. (2006-2009); Chairperson 2007-08
Officiate for the Student Affiliation division of American Society of Dairy Science (SAD/ADSA), Judged research presentations at the national meeting (2007 and 2008)
Officiate for the Student Affiliation Division of American Society of Dairy Science (SAD/ADSA), Judged research presentation at the national meeting (2000 and 2001)

University and College:

University of Idaho Faculty Senate, faculty representative, 2020-present
University of Idaho AAALAC Task Force Committee, 2017-present
University of Idaho Radiation and Safety Committee, faculty representative, 2006-2012 & 2015-present
Search Committee for Department Head Soil and Water Systems, Chair 2018
CALs Dean Search Committee, 2015
University of Idaho Promotion and Tenure Committee, 2012-2013
Academic Programs Advisory Committee (APAC) - Departmental Representative, 2010-2015
University of Idaho Teaching and Advising Committee, 2008-2010
University of Idaho Radiation and Safety Committee, faculty representative, 2006-2012
CALs Excellence in Teaching and Outstanding Advisor Awards Committee, 2005, 2008
CALs Promotion and Tenure Committee, 2004

CALS Outstanding Student Awards Committee, 2001

Departmental:

Departmental Teaching and Curriculum Committee, 2000-present
Promotion Committee for Dr. Pedram Rezamand, Chair, AVS Dept. 2020
Promotion Committee for Dr. Matt Powell, Chair, AVS Dept. 2016
Promotion Committee for Dr. Bento Glaze, AVS Dept. 2013
Promotion Committee for Dr. Joe Dalton, AVS Dept. 2012
Tenure and Promotion Committee for Dr. Pedram Rezamand, AVS Dept., Third year review, 2011
Promotion Committee for Dr. Rod Hill, AVS Dept. 2010
Promotion Committee for Dr. John Hall, Chair, AVS Dept. 2010
Tenure and Promotion Committee for Dr. Aaron Johnson, Ag Economics Dept., 2010
Ruminant Nutritionist Search Committee, 2008
Tenure and Promotion Committee for Dr. Miriellie Chahine, AVS. Dept., 2008
Tenure and Promotion Committee for Dr. Lori Moore, Ag. Ed. Dept., 2007
Reproductive Biologist and Ruminant Physiologist Search Committee, 2007 and 2008
Tenure and Promotion Committee for Dr. Juan Alvarez, PSES Dept., Third year review, 2003
Tenure and Promotion committee for Dr. Troy Ott, AVS Dept., 2003
Nutrition and Theriogenologist DVM positions, search committee, 2003
Dairy Extension Specialist Search Committee, Co-Chair, 2003
Tenure and Promotion Committee for Alex Hristov, Third year review, 2002
Tenure and Promotion Committee for J. C. Dalton, Third year review, 2002
AVS Award Committee for the Annual CALS awards 2002
Tenure and Promotion Committee for Troy Ott, Third year review, 2001
Tenure and Promotion Committee for M. A. McGuire, AVS. Dept., 2000
Assisted in Search for Dairy Extension Specialist, 2000
Administrative Assistant Search Committee, AVS Dept., 2002
Search Committee for Research Support Scientist, Chair, 2001
Procedures and Criteria Evaluation Committee for 3rd yr. and tenure Promotion 2000-2001
Growth Biology Search Committee, 2000-2001
Financial Supervisor Search Committee 2000-2001
Academic Quadrathlon Western Section, In charge of dairy section, 2000

Others

Officiated at Annual State FFA Career Development State Contests, 2001-present
Officiated at Annual State FFA/4-H Dairy Judging Contest on Ag Days, 2001-present
Officiated at the dairy cattle show at the Latah County Fair, 2000 and 2001

OTHER PROFESSIONAL:

USDA-NRI and SBIR

Grant proposal reviewer

Journal Peer Review (*ad hoc* reviewer)

Applied Animal Science (Editorial board member, 2019- present)
Journal of Dairy Science (Editorial board member 2003-2009)
Journal of Animal Science
Italian Journal of Animal Science
Theriogenology
Domestic Animal Endocrinology
Animal Professional Scientist
Turkish Journal of Veterinary and Animal Sciences

Animals

Membership in Professional and Scholarly Organizations:

American Dairy Science Association, 1992-present
American Registry of Professional Animal Scientists, 2002-present
Society for the Study of Reproduction, 2001-2003
American Society of Animal Science, 1996-2014
Center for Reproductive Biology, WSU-UI, 2000-present
Sigma Xi, The Scientific Research Society, 1995-present
The Honor Society of Phi Kappa Phi, 1995-present
Gamma Sigma Delta, Agriculture Honor Society, 1993-present

PRESENTATIONS (Since 2000):

International

- USAID, Afghanistan Agricultural Extension Project II, Kabul, Afghanistan. Title: Management Recommendations for Improving Milk Production and Health, November 2016.
- University College Dublin, Dublin Ireland. Title: Reproductive Management in Dairy Cattle, October 2016.
- Western Canadian Dairy Seminar, Red Deer, Alberta, Canada. Title: Interaction between clinical mastitis, other diseases and reproductive performance in dairy cows. March 2010. Invited Talk.
- The International Seminar of Dairy Cattle, "Improving Productivity of Dairy Cattle and Dairy Product Using Natural Sources", Pdanga, West Sumatra, Indonesia. Title: Effects of Nutrition on Reproduction. June 2009.
- The 1st International Seminar on "La Production Chez La Vache Laitiere (The Nutrition and Reproduction Interaction in Dairy Cows)", Tunis, Tunisia. Title: Interaction between dietary protein and fertility in dairy cows. Alimination proteique et fertilite des vaches laitieres. May 2007.
- The 1st International Seminar on "La Production Chez La Vache Laitiere (The Nutrition and Reproduction Interaction in Dairy Cows)", Tunis, Tunisia. Title: Fat supplementation in early lactation and reproductive performance of dairy cows. Supplementation des vaches en matieres grasses et performance de reproduction Alimination. May 2007.
- The 3rd Panamerican Congress on "Mastitis Control and Milk quality", Leon, Guanajuato, Mexico. Title: Interaction between clinical mastitis, other diseases and reproductive performance in dairy cows. March 2006.
- The 34th International Meeting of Society for the Study of Reproduction. Ottawa, Canada. Title: Antibody and pregnancy response in domestic cats following immunization against recombinant porcine zona pellucida protein. July 2001.
- The 4th International Symposium on "Canine and Feline Reproduction", Oslo, Norway. Title: Comparison of three methods for termination of pregnancy in cats using a dopamine agonist and prostaglandin F_{2α}. Spring 2000.

National

- Annual Meeting of ASAS. Louisville, KY. Pregnancy and hormonal response in suckled beef cows administered high-concentration prostaglandin F_{2α} in a 5-day co-synch + CIDR synchronization program. July 2021.
- Annual Meeting of ADSA. Louisville, KY. The relative relationship between type 1/type 2 immunity and fertility in Holstein cows. July 2021.
- Annual Meeting of ASAS. Louisville, KY. Relationship between beef cow fertility and Maternal Immunity. July 2021.
- 24th Roy Wallace Memorial Symposium on Bovine Reproduction. College Station, TX. Evaluating the effects of a high-concentration dose of prostaglandin F_{2α} in a 5-day CO-Synch + CIDR protocol on fertility in beef cows. October 2019.
- 23rd Roy Wallace Memorial Symposium on Bovine Reproduction. Fayetteville, TN. Effects of one or two prostaglandin injections on progesterone concentrations and luteolysis in beef and dairy cows subjected to a 5-day CIDR-Cosynch protocol. October 2018.

22nd Roy Wallace Memorial Symposium on Bovine Reproduction. Fayetteville, TN. Effects of one or two prostaglandin injections on progesterone concentrations and luteolysis in beef and dairy cows subjected to a 5-day CIDR-Cosynch protocol. October 2017.

Annual Meeting of NACTA. Athens, GA. Student delivery and discovery skills and performance in animal science courses. June, 2015.

Annual Meeting of ADSA/ASAS. Orlando, FL. The relationship between delivery and discovery skills and student performance in animal science courses. July 2015.

19th Roy Wallace Memorial Symposium on Bovine Reproduction. . Columbus, OH. Modified 5-day CIDR-CoSynch protocol for resynchronization in lactating dairy cows. October 2014.

Annual Meeting of ADSA/ASAS. Kansas City, MO. The impact of implementing interactive exam review strategies on student satisfaction and exam scores. July 2014.

18th Roy Wallace Memorial Symposium on Bovine Reproduction. . Columbus, OH. Does aspirin affect prostaglandin and progesterone concentrations in lactating dairy cows? October 2013.

Annual Bucknell Nutrition Conference. Lewisburg, PA. Interaction between Dietary Protein & Fertility, and Metabolic Disease & Mastitis in Dairy Cows and Reproduction. June 2013.

Annual Meeting of ADSA/ASAS. Indianapolis, IN. Effect of prostaglandin F_{2α} on growth of Mycoplasma bovis associated with bovine mastitis. July 2013.

Annual Meeting of ADSA/ASAS. Indianapolis, IN. Alternative class exercise for information retention and retrieving course materials. July 2013.

17th Roy Wallace Memorial Symposium on Bovine Reproduction. Columbus, OH. The relationship between resumption of ovarian cyclicity and plasma nutritional markers in lactating dairy cows. October 2012.

17th Roy Wallace Memorial Symposium on Bovine Reproduction . Columbus, OH. Effect of acidic pH on uterine response to interferon-τ. October 2012.

Annual Meeting of ADSA/ASAS. Phoenix, AZ. Effect of acidic pH on uterine response to interferon-τ. July 2012

Annual Meeting of ADSA/ASAS. New Orleans, LA. Effect of urea on interferon-tau response in the bovine endometrium July 2011.

Annual Meeting of ADSA/ASAS. New Orleans, LA. .Effect of Various Doses of Prostaglandin F_{2α} on Estrous Behavior and Blood Progesterone Using a Modified 5-day CIDR-based Synchronization Protocol in Beef Cows. July 2011.

Annual Dairy Cattle Reproductive Council, Minneapolis, MN. Impact of Metabolic Disorders and Mastitis on Reproduction. November 2010. Invited Talk

Annual Meeting of ADSA/ASAS. Denver, CO. Effect of flunixin meglumine on prostaglandin metabolites and progesterone in lactating dairy cows. July 2010.

Annual Meeting of ADSA/ASAS. Denver, CO. Evaluation of 5-day versus 7- day CIDR treatment on reproductive outcomes of beef heifers using a modified timed-AI protocol. July 2010.

Annual Meeting of ADSA/ASAS. Montreal, QC. Effect of duration of CIDR exposure on reproductive performance of beef heifers using a CIDR-based timed-AI protocol. July 2009.

Annual Meeting of ADSA/ASAS. Indianapolis, IN. Effect of duration of CIDR exposure on reproductive performance of beef heifers using a CIDR-based timed-AI protocol. July 2008.

Annual NACTA/SERD Conference. A Novel Dairy Management Learning Experience for Undergraduates: the Dairy Challenge. Logan, UT. June 2008.

Annual Meeting of ADSA/ASAS. San Antonio, TX. Evaluation of 5-day versus 7- day CIDR treatment on reproductive performance of beef cows using a timed AI protocol. July 2007.

Annual Meeting of ADSA/ASAS. Minneapolis, MN. The use of a progesterone releasing device (CIDR), with GnRH and prostaglandin F_{2α} (PGF), for a fixed-time artificial insemination in beef heifers. July 2006.

Annual Meeting of ADSA/ASAS. Cincinnati, OH. Relationship between milk lactoperoxidase, progesterone and estradiol concentrations during estrus in dairy cows. July 2005.

- Annual Meeting of ADSA/ASAS. St. Louis, MI. Effect of clinical mastitis on days in milk at first service, services per conception, days open, in Holstein cattle. Effect of clinical mastitis and other diseases on reproductive performance of Holstein cows. July 2004.
- Annual Meeting of ADSA/ASAS. St. Louis, MI. Dairy management symposium training: Instructive partnership between academia and industry. July 2004.
- Annual Meeting of ADSA/ASAS. St. Louis, MI. Effect of naloxone on serum calcium concentrations immediately after parturition in multiparous Holstein cattle. July 2004.
- Annual Meeting of ADSA/ASAS. Phoenix, AZ. Experiential learning through a short-term dairy internship program. July 2003.
- Annual Meeting of ADSA/ASAS. Phoenix, AZ. Effect of incorporation of low dose of estradiol cypionate (ECP) into a timed artificial insemination protocol on estrous behavior and conception rates in beef cattle. June 2003.
- Annual Meeting of ASAS. Indianapolis, IN. Dopamine antagonist affects cortisol secretion in lactating dairy cows. July 2000.

Regional

- DHIA Montana, Montana Dairymen Meeting. Mastitis, What is new? Shelby, Montana. May 2014.
- IC Graduate School by Genex-CRI Cooperative, Inc. Round table presentation on use of gender selected semen on heifers. Boise, Idaho. September 2011.
- 16th Roy Wallace Memorial Symposium on Bovine Reproduction. Effect of Various Doses of PGF_{2α} on Estrous Behavior and Blood Progesterone Using a Modified 5-day CIDR-based Synchronization Protocol in Beef Cows. Columbus, OH. October 2011.
- Western Regional Teaching Symposium, “Putting Experience into Experiential Education; Senior projects/Capstone”. Moscow, Idaho. September 2011.
- 15th Roy Wallace Memorial Symposium on Bovine Reproduction. Effect of flunixin meglumine on PFGM in lactating Holstein cows. Columbus, OH. October 2010.
- 13th Roy Wallace Memorial Symposium on Bovine Reproduction. Update on 5-day CIDR-PGF-GnRH timed-AI in heifers. Columbus, OH. October 2009.
- 13th Roy Wallace Memorial Symposium on Bovine Reproduction.. Use of sexed semen n beef herd. Columbus, OH. October 2009.
- 12th Roy Wallace Memorial Symposium on Bovine Reproduction. Effect of duration of CIDR treatment on conception and pregnancy rates in beef heifers using a timed-AI program (3 year study). Columbus, OH. October 2008.
- 11th Annual Select Sires Reproduction Think Tank. Effect of duration of CIDR treatment on conception and pregnancy rates in beef heifers. Columbus, OH. September 2007.
- ABS/Balchem Pre-conference Symposium. Western Dairy Management Conference. Effect of mastitis on reproductive performance of dairy cows. Reno, NV. March 2005.
- Western Section, American Society of Animal Science. Effect of exogenous gonadotropin releasing hormone five days after artificial insemination on ovarian structures, serum progesterone, and conception rate in dairy cows. June 2004.
- Intermountain Cow Symposium. Estrous synchronization: A tool to improve reproductive efficiency. Twin Falls, ID. January 2003.
- Tri-State Dairy Short course, Reproductive management and performance: trends, tips, and multiple semen straw thawing. Boise, ID. March 2002.
- Western Teaching Symposium Experiential learning through a short-term dairy internship program. UC Davis, Davis, CA. September 2002.
- Northwest Reproductive Science Symposium, Zona Pellucida as an immunocontraceptive vaccine, Moscow, ID. April 2000.

State/Local

- Tips For Being an Exemplary Teaching Assistant International TA Training Workshop. University of Idaho, Moscow, ID, August 2009, January and August 2010, August 2011-2014.

Filed Day. Estrous Synchronization for Heifers. Nancy M. Comings Teaching-Research- Extension Center. Salmon, ID. September 2008.

Current Research in Estrous Synchronization in Beef Cattle. Post Fall, ID. October 2006.

Systematic Breeding Programs in beef cattle. Mackey, ID. March 2004.

Enhancing Reproductive Efficiency in Beef Cattle. Bonners Ferry, ID. February 2003.

Center for Reproductive Biology Lecture Series. Improvement of reproductive efficiency “fact or fiction!”. Pullman, WAS. October 2002.

Tri-State Northwest Dairy Short course. Reproductive management and performance: trends, tips, and multiple semen straw thawing. Bosie, ID. Fall 2002.

Joint conference WA and ID Dairy Discussion group. Use of ECP on systematic breeding program. Moscow, ID. November 2001.

Research Group. Systematic Breeding Program, Twin Falls, ID. August 2001.

Nancy M. Cummings Research and Teaching Center, grand opening ceremony. Benefits of estrous synchronization in Cow/Calf Operation, Salmon, ID. June 2001.

Ricks College. Assisted Reproductive Technology: Application of ultrasound in cattle reproduction. Rexburg, Idaho. April 2001.

Dairy workshop sponsored by Purina. Interpretation of reproductive records. Twin Falls, ID. March 2001.

Center for Reproductive Biology Lecture Series. Role of dietary fat supplementation on cattle reproduction. Pullman, WA. December 2000.

Center for Reproductive Biology (CRB), Annual Retreat. Role of dopamine in regulation of pituitary hormones secretion in cattle, Pullman, WA. May 2000.

Research Group, Interaction between nutrition and reproduction in dairy cows. Twin Falls, ID, April 2000.

Winter Dairy Forum, UI Dairy Research, programs, and the dairy industry. Reproductive Management strategies for dairy cows. Idaho Falls, Rexburg, and Preston, ID. March 2000.

PUBLICATIONS:

Book Chapter

Stevenson, J.S. and **A. Ahmadzadeh**. Replacement Management-Cattle: Breeding standards and pregnancy maintenance. In *Encyclopedia of Dairy Sciences*. H. Roginski [eds.]. 2010. Academic Press.

Boyle, S.M. and **A. Ahmadzadeh**. Immunocontraception as an approach to help control feral cat population. In *Consultation in Feline Medicine*. J.K. August [eds.]. 2001. W.B. Saunders Co. Philadelphia.

Refereed Publications

Published or in Press (¹ corresponding author, * graduate student advisee, + graduate student co-advisee):

1. Carrelli, J.E., M. Gobikrushanth, M. Corpron, I. Rajesh, W. Sandberg, M. G. Colazo, **A. Ahmadzadeh**, M. Oba, D. J. Ambrose. 2021. Relationship of anogenital distance with fertility in nulliparous Holstein heifers. *J. Dairy Sci.* in press <https://doi.org/10.3168/jds.2020-19940>
2. *Corpron, M. **A. Ahmadzadeh**¹, P. Rezamand, Q. Huo. 2021. Relationship between beef cow fertility and maternal immunity. *Applied Anim. Sci.* 37: 733-737. <https://doi.org/10.15232/aas.2021-02214>
3. *Spencer, J. A., K. G. Carnahan, B. Shafii, J. Dalton, and **A. Ahmadzadeh**¹. 2020. Pregnancy per artificial insemination during summer in lactating dairy cows after treatment with aspirin. *Anim. Repro. Sci.* 212: 106253. <https://doi.org/10.1016/j.anireprosci.2019.106253>
4. *Spencer, J. A., D. Konetchy, and **A. Ahmadzadeh**¹. 2020. Influences of non-steroidal anti-inflammatory drugs on dairy cattle reproductive performance. *Applied Anim. Sci.* 36: 397-406. <https://doi.org/10.15232/aas.2019-01969>
5. Claypool, C. K., J. A. Spencer, S. Menegatti Zoca, B. Shafii, W. J. Price, **A. Ahmadzadeh**, N. R. Rimbey, and J. C. Dalton. 2019. Reproduction outcomes in dairy heifers following a 14-d progesterone insert presynchronization protocol. *J. Dairy Sci.* 102: 11730-11735. <https://doi.org/10.3168/jds>
6. *Corpron, M.R., S. M. Menegatti Zoca, M. Reynolds, K. Carnahan, J. B. Hall, and **A. Ahmadzadeh**¹.

2019. Evaluating the effects of a high-concentration dose of prostaglandin F2 α in a 5-d CO-Synch + controlled internal drug release protocol on fertility in beef cows. *Transl. Anim. Sci.* 3 (Suppl 1): 1754, <https://doi.org/10.1093/tas/txz081>
7. *Spencer, J. A. K. Carnahan, B. Shafii, W. J. Price, J. Dalton, and **A. Ahmadzadeh**¹. 2018. Pregnancy outcomes are not improved by administering gonadotropin-releasing hormone at initiation of a 5-day CIDR-Cosynch resynchronization protocol for lactating dairy cows. *J. Dairy Sci.* 101:8524-8531. DOI: <https://doi.org/10.3168/jds.2017-13491>
 8. Reynolds, M.K., G. E. Chibisa, **A. Ahmadzadeh**, and J. B. Hall. 2018. Reproductive development and fertility traits among heifers in different residual feed intake groups. *Translational Anim. Sci.*, 2(suppl_1): S175-S179. <https://doi.org/10.1093/tas/txy039>
 9. ⁺Autran, C.A., W. Price, J. C. Dalton, and **A. Ahmadzadeh**¹. 2017. Effect of Prostaglandin F2 α on Growth of *Streptococcus uberis* associated with Bovine Mastitis. *Dairy and Vet. Sci. J.* 3(4): 555619. DOI: 10.19080/JDVS.2017.03.555619
 10. *Spencer, J. A., K. Steinkamp, B. Shafii, and **A. Ahmadzadeh**¹. 2016. The effect of aspirin on prostaglandin F2 α secretion in lactating dairy cows. *Prof. Anim. Sci.* 32.5: 681-686
 11. *Spencer, J. A., K. G. Carnahan, B. Shafii, S. Read, and **A. Ahmadzadeh**¹. 2016. Effect of flunixin meglumine on prostaglandin metabolites and progesterone in lactating dairy cows. *Clin. Theriogenology.* 8(1):41-48. https://st.omnibooksonline.com/data/papers/2016/vol8_1/002.pdf#page=1
 12. **Ahmadzadeh, A.**, L. K. Fox, M. A. McGuire, and K. G. Carnahan. 2015. Effect of prostaglandin F2 α on growth of *Mycoplasma bovis* associated with bovine mastitis. *J. Adv Dairy Res.* 3(3): doi:10.4172/2329-888X.1000142
 13. **Ahmadzadeh, A.** D. Gunn J. B. Hall, and J. B. Glaze Jr. 2015. Evaluation of treatment with a 5-d versus 7-d controlled internal drug-release insert on reproductive outcomes of beef heifers using a modified timed-artificial insemination protocol. *Prof. Anim. Sci.* 31:270-277.
 14. Domer, M. C., K. A. Beerman, **A. Ahmadzadeh**, N. Dasgupta, J. E. Williams, M. A. McGuire, M. A. and M. K. McGuire. 2015. Loss of body fat and associated decrease in leptin in early lactation are related to shorter duration of postpartum anovulation in healthy US women. *J. Human Lact.* 31(2): 282-293.
 15. **Ahmadzadeh, A.**, B. J. Purswell, and S. M. Boyle. 2014. Comparison of three methods for termination of pregnancy in cats using a dopamine agonist and prostaglandin F2 α . *Clin. Theriogenology.* 6(4):467-471. https://st.omnibooksonline.com/data/papers/2014/vol6_4/005.pdf#page=1
 16. ⁺Autran, C. A.¹, B. Shafii, J. C. Dalton, M. A. McGuire, and **A. Ahmadzadeh**¹. 2013. Effect of prostaglandin F2 α on growth of *Staph. aureus* associated with bovine mastitis. *J. Veterina. Sci. Technol.* 4:129. Dio:10.4127/2157-7579.1000129
 17. Lopes Jr., G. C.R. Johnson, L.G.D. Mendonça, P.R.B. Silva, J.G.N. Moraes, **A. Ahmadzadeh**, J. C. Dalton, and R.C. Chebel. 2013. Evaluation of reproductive and economic outcomes of dairy heifers inseminated at induced estrus or at fixed time after a 5-day or 7-day progesterone insert-based ovulation synchronization protocol. *J. Dairy Sci.* 96:1612-1622.
 18. Johnson, C. R. M. W. Ayers, **A. Ahmadzadeh**, B. Shafii, S. Etter, R. C. Chebel, and J. C. Dalton. 2012. Characterization of early postpartum estrous behavior and ovulation in lactating dairy cows using radiotelemetry. *J. Dairy Sci.* 95:5085-5088
 19. Dalton J.C, L. Deragon, J.L.M. Vasconcelos, C.N. Lopes, R.F.G Peres, and **A. Ahmadzadeh**. 2012. Fertility-associated antigen on Nelore bull sperm and reproductive outcomes following first-service fixed-time AI of Nelore cows and heifers. *Theriogenology* 77:389-394.
 20. ⁺Gunn, D., **A. Ahmadzadeh**¹, and B. Glaze. 2011. Effect of duration of progesterone releasing device (CIDR) treatment on reproductive performance in beef cows. *Prof. Anim. Sci.* 27:147-151.
 21. *Howard, J. M. D. G. Falk, K. G. Carnahan, J. C. Dalton, R. C. Chebel, and **A. Ahmadzadeh**¹. 2009.

- The use of GnRH in a progesterone-based timed artificial insemination protocol in replacement beef heifers. *Prof. Anim. Sci.* 25:757-761.
22. **Ahmadzadeh¹, A.**, F. Frago, B. Shafii, J.C. Dalton, W.J. Price, and M. A. McGuire. 2009. Effect of clinical mastitis and other diseases on reproductive performance of Holstein cows. *Anim. Reprod. Sci.* 112:273-282.
 23. Stevenson, J. L., J. C. Dalton, J. E. P. Santos, R. Sartori, **A. Ahmadzadeh**, and R. C. Chebel. 2008. Effect of Synchronization Protocols on Follicular Development and Estradiol and Progesterone Concentrations of Dairy Heifers. *J. Dairy Sci.* 91: 3045-3056.
 24. **Ahmadzadeh¹, A.**, R. Manzo, C. B. Sellars, and J. C. Dalton. 2007. The efficacy of a reduced dose of gonadotropin releasing hormone on the incidence and time of ovulation in Holstein cows. *J. Anim. Vet. Adv.* 6:1328-133.
 25. *Howard, J. M., R. Manzo, F. Frago, D. G. Falk, J. B. Glaze, Jr, J. C. Dalton, and **A. Ahmadzadeh¹**. 2007. Estradiol cypionate did not affect pregnancy rates of beef cattle synchronized with a modified timed artificial insemination protocol. *Prof. Anim. Sci.* 23:509-512.
 26. *Frago, F, R. Manzo, J. C. Dalton, M. A. McGuire, and **A. Ahmadzadeh¹**. 2007. Naloxone increases serum calcium concentrations after parturition in multiparous Holstein cattle. *Prof. Anim. Sci.* 23:70-74.
 27. *Howard, J. M., R. Manzo, J. C. Dalton, F. Frago, and **A. Ahmadzadeh¹**. 2006. Conception rates and serum progesterone concentration in dairy cattle administered gonadotropin releasing hormone five days after artificial insemination. *Anim. Reprod. Sci.* 96:224-233.
 28. **Ahmadzadeh¹, A.** M. A. Barnes, F. C. Gwazdauskas, and R. M. Akers. 2006. Effect of dopamine antagonist on serum cortisol and prolactin secretion in lactating Holstein cows. *J. Dairy Sci.* 89:2051-2055.
 29. *Sellars C. B., J. C. Dalton, R. Manzo, J. Day, and **A. Ahmadzadeh¹**. 2006. Time and incidence of ovulation and conception rates after incorporating estradiol cypionate into a timed AI protocol. *J. Dairy Sci.* 89:620-626.
 30. Dalton, J. C., R. Manzo*, **A. Ahmadzadeh**, B. Shafii, W. J. Price, and J. M. DeJarnette. 2005. Conception rates following estrous detection and timed AI in dairy cows synchronized using GnRH and PGF_{2α}. *J. Dairy Sci.* 88: 4313-4316.
 31. Dalton, J.C., **A. Ahmadzadeh**, B. Shafii, W.J. Price, and J.M. DeJarnette. 2004. Effect of simultaneous thawing of multiple 0.5 ml-straws of semen and sequence of insemination on conception rate in dairy cattle *J. Dairy Sci.* 87:972-975.
 32. Carlin, S.K., A.S. Garst, C.G. Tarraf, T.L. Bailey, M.L. McGilliard, J.R. Gibbons, **A. Ahmadzadeh**, and F.C. Gwazdauskas. 1999. Effects of ultrasound-guided transvaginal follicular aspiration on oocyte recovery and hormonal profiles before and after GnRH. *Theriogenology.* 51:1489-1503.
 33. Kendrick, K.W., T.L. Bailey, A.S. Garst, A.W. Pryor, **A. Ahmadzadeh**, R.M. Akers, W.E. Eystone, R.E. Pearson, and F.C. Gwazdauskas. 1999. Effects of energy balance on hormones ovarian activity and recovered oocytes in lactating Holstein cows using transvaginal follicular aspiration. *J. Dairy Sci.* 82:1731-1741.
 34. **Ahmadzadeh, A.**, M.A. Barnes, and R.E. Pearson. 1998. Effect of naloxone on serum luteinizing hormone concentration in anovulatory Holstein cows during the early postpartum period. *Domest. Anim. Endocrinol.* 15:177-181.

Peer-reviewed Publications:

(* graduate student advisee, + graduate student co-advisee):.

1. *Spencer J. A.*, K. Carnahan, W. Price, B. Shafii and **A. Ahmadzadeh¹**. 2017. Effects of one or two prostaglandin F_{2α} injections on progesterone concentrations and luteolysis in suckling beef cows subjected to a five-day controlled internal drug release-Cosynch protocol. In *Proc. Western Section of American Society of Animal Science* 68:20-24.
2. **Ahmadzadeh, A.**, K. Carnahan, and C. Autran. 2011. Understanding puberty and postpartum anestrus. In: *Proc. Applied Reproductive Strategies in Beef Cattle.* Pg45.

3. [†]Autran, C. A., **A. Ahmadzadeh**¹, J. C. Dalton. 2011. Does pure dinoprost tromethamine (prostaglandin F_{2α}) inhibit growth *in vitro* of *staphylococcus aureus* associated with bovine mastitis? . In: *Proc. Western Section of American Society of Animal Science*.62:25.
4. **Ahmadzadeh A**, and J. C. Dalton. 2010. Impact of Metabolic Disorders and Mastitis on Reproduction. In: *Proc. Dairy Cattle Reproduction Conference, November 2010*
5. Dalton, J. C. and **A. Ahmadzadeh**. 2010. AI Technician Management In: *Proc.. Dairy Cattle Reproduction Conference, November, Pg 2010*.
6. **Ahmadzadeh A.**, M. A. McGuire, and J. C. Dalton. 2010. Interaction between clinical mastitis, other diseases and reproductive performance in dairy cows. In: *Proc. Advances in Dairy Technology, Western Canadian Dairy Seminar*. 22:83.
7. Hall, J. B., **A. Ahmadzadeh**, R. H. Stokes, J. K. Ahola, C. Stephenson, J. J. England, and J. B. Glaze, Jr. 2009. Effect of targeted use of a controlled internal drug releasing device (CIDR) in an estrous synchronization system for postpartum beef cows. In: *Proc. Western Section of American Society of Animal Science*. 60:257.
8. [†]Johnson, C. R. **A. Ahmadzadeh**, K.S. Jensen, S. Etter, R. Wilson , N. Dalton, and J.C. Dalton. 2008. Effect of duration of intravaginal progesterone insert (CIDR) treatment on pregnancy rate per AI in dairy heifers using a timed-AI protocol. In: *Proc. Western Section of American Society of Animal Science*. 59:33.
9. [†]Gunn, D., J. B. Glaze, Jr., **A. Ahmadzadeh**, D. Falk, and R. Findlay. 2007. Effect of duration of CIDR treatment on conception and pregnancy rates in beef heifers using a timed-AI protocol. In: *Proc. Western Section of American Society of Animal Science*. 58:51.
10. *Howard, J., C. Passavant, D. Pals, T. Gray, N. Sasser, G. Gabor, **A. Ahmadzadeh**, and G. Sasser. 2007. BioPRYN, A blood-based pregnancy test for managing breeding and pregnancy in cattle. In: *Proc. Western Section of American Society of Animal Science*. 58:295.
11. **A. Ahmadzadeh**, F. Frago, B. Shafii, and J. C. Dalton. 2006. Interaction between clinical mastitis, other diseases and reproductive performance in dairy cows. In: *Proc. III Panamerican Congress on Mastitis Control and Milk quality. Leon, Guanajuato, Mexico. , Pg. 57-69*.
12. *Howard, J. M., R. Manzo, F. Frago, D.G. Falk, J. B. Glaze, and **A. Ahmadzadeh**. 2005. Effect of Estradiol Cypionate on conception and pregnancy rates of beef cattle synchronized with a modified timed artificial insemination protocol. In: *Proc. Western Section of American Society of Animal Science*. 56:33.
13. *Manzo, R, **A. Ahmadzadeh**, J. C. Dalton, F. Frago, and J. M. Howard. 2004. Effect of exogenous gonadotropin releasing hormone five days after artificial insemination on ovarian structures, serum progesterone, and conception rate in dairy cows. In: *Proc. Western Section, American Society of Animal Science*. 55:295.
14. **Ahmadzadeh, A.**, G. A. Johnson, D. G. Falk, A. V. Grove, and J. B. Glaze. 2002. Effect of incorporating a low dose of estradiol cypionate (ECP) into a timed artificial insemination protocol on estrous behavior and conception rates in beef cattle. In: *Proc. Western Section, American Society of Animal Science*. 53:464.
15. **Ahmadzadeh, A.**, B. J. Purswell, N. A. Parker, S. M. Boyle, and V. Clarke. 2000. Comparison of three methods for termination of pregnancy in cats using a dopamine agonist and prostaglandin F_{2α}. In: *The 4th International Symposium on Canine and Feline Reproduction. Oslo, Norway*.

Proceedings

International:

1. Hall, J. B. **A. Ahmadzadeh**, R.H. Stokes, C. Stephenson, and J. K. Ahola. 2010. Impact of gender-selected semen on AI pregnancy rates, gender ratios, and calf performance in crossbred postpartum beef cows. In *Proc. 8th International Ruminant Reproduction*. Alaska, USA. Pg 177.
2. **Ahmadzadeh, A.** A. J Young, and D. Zobell. 2009. Effects of nutrition on reproduction in dairy cows. In *Proc. International Seminar of dairy cattle: Improving productivity of dairy cattle and dairy product using natural resources*. Pdang, West Sumatra, Indonesia, Pg 1.

3. **Ahmadzadeh, A.**, anfd. T. Blair. 2007. Interaction between dietary protein and fertility in dairy cows (Alimination proteique et fertilité des vaches laitières). In: *Proc. Seminaire Scientifique International Sur La Production Chez La Vache Laitiere*. Tunis, Tunisia, Section 2, Pg 10.
4. **Ahmadzadeh, A.** and B. S. Mondher. 2007. Supplémentation des vaches en matiéres grasses et performance de reproduction Alimination (Fat supplementation in early lactation and reproductive performance of dairy cows). In: *Proc. Seminaire Scientifique International Sur La Production Chez La Vache Laitiere*. Tunis, Tunisia, Section 5, Pg 26.
5. Mondher., B. S. and **A. Ahmadzadeh**. 2007. Concentration de l'urée dans le lait: mesure et relation avec la reproduction (Milk urea concentration: measurement and relationship with reproduction). In: *Proc. Seminaire Scientifique International Sur La Production Chez La Vache Laitiere*. Tunis, Tunisia.
6. Dalton, J.C., **A. Ahmadzadeh**, R.C. Chebel, and M.W. Overton. 2005. Maximizing reproductive performance of high producing dairy cattle. In: *Proc. 21st Conferencia Internacional Sobre Ganado Lechero (Cigal)*, Guadalajara, Mexico, Pg. 103.
7. Dalton, J.C., **A. Ahmadzadeh**, and R. Chebel. 2004. Manejo reproductivo en grandes hatos lecheros (Reproductive management in large dairies). In: *Proc. Expo Leche and V World Dairy Congress*, Acapulco, Mexico. Carta Ganadera. 17:206:33.

National:

1. Spencer, J. A., **A. Ahmadzadeh**, K. Steinkamp. 2013. Effect of Aspirin on Prostaglandin Metabolites and Progesterone Concentrations in Lactating Dairy Cows. In *Proc. 17th Roy Wallace Memorial Symposium on Bovine Reproduction*. Columbus, OH. October 2013.
2. **Ahmadzadeh, A.** 2013. Interaction between Dietary Protein & Fertility, and Metabolic Disease & Mastitis in Dairy Cows and Reproduction. 2013 In *Proc Bucknell (Renaissance) Nutrition Conference*, Lewisburg, PA, Pg 215
- A.** **Ahmadzadeh**, J. Spencer, B. Shafii, C. Johnson., J. Dalton, K. Carnahan, and S. Reeds. 2012. The relationship between resumption of ovarian cyclicity and plasma nutritional markers in lactating dairy cows. In *Proc.. 16th Roy Wallace Memorial Symposium on Bovine Reproduction*. Columbus, OH.
3. *Howard, J., C. Autran, J. Branen, G. Sasser, and **A. Ahamdzadeh**. 2012. Early detection of pregnancy-specific protein B (PSPB) following conception in Holstein heifers. In: *Proc. Dairy Cattle Reproduction Conference*, Columbus, OH.
4. *Howard, J., C. Autran, J. Branen, K. Carnahan, R. Kasimanickam, G. Sasser, **A. Ahmadzadeh**. 2012. Pregnancy per AI of conventional versus sex sorted semen in dairy heifers subjected to a modified CIDR-PGF2 α -GnRH timed-AI protocol. In: *Proc. Dairy Cattle Reproduction Conference*, Columbus, OH.
5. Hall, J. B., A. Ahmadzadeh, J. Ahola, R. Hill, and R. Ambrosek. 2011. Using sexed semen to shift gender ratios in commercial herds. In *Proc.. 15th Roy Wallace Memorial Symposium on Bovine Reproduction*. Columbus, OH.
6. *Howard, J. A. Ahmadzadeh, K. Carnahan, C. Autran, R. Kasimanickam. 2011. Effect of Various Doses of PGF2 α on Estrous Behavior and Blood Progesterone Using a Modified 5-day CIDR-based Synchronization Protocol in Beef Cows. In *Proc. . 15th Roy Wallace Memorial Symposium on Bovine Reproduction*. Columbus, OH.
7. **Ahmadzadeh, A.**, T. Robison, K. Carnahan, and C. Autran. 2010. Effect of Various Doses of PGF2 α on Estrous Behavior and Blood Progesterone Using a Modified 5-day CIDR-based Synchronization Protocol in Beef Cows . In *Proc. 14th Roy Wallace Memorial Symposium on Bovine Reproduction*. Columbus, OH.
8. **Ahmadzadeh, A.** S. Read, K. Carnahan, and J.C. Dalton. 2009. Effect of flunixin meglumine on PFGM in lactating Holstein cows. In *Proc. 13th Roy Wallace Memorial Symposium on Bovine Reproduction*. Columbus, OH.
9. **Ahmadzadeh, A.**, D. Falk, and J. Hall. 2009. Update on 5-day CIDR-PGF-GnRH timed-AI in heifers. In: *Proc. 13th Roy Wallace Memorial Symposium on Bovine Reproduction*. Columbus, OH.

10. Hall, J. B., **A. Ahmadzadeh**, R. Stokes, J. Ahola, C. Stephenson, J. England, and B. Glaze. 2009. Use of sexed semen in beef herds. In: *Proc. 13th Roy Wallace Memorial Symposium on Bovine Reproduction*. Columbus, OH.
11. Dalton, J. C. and **A. Ahmadzadeh**. 2009. Heat Detection Accuracy and AI Technician Evaluation. In: *Proc. Western Dairy Herd Mgt. Conference*. Reno, NV, Pg 117.
12. **Ahmadzadeh**, A. D. Gunn, J. B. Glaze, Jr., D. Falk, and J. Hall. 2008. Effect of duration of CIDR treatment on conception and pregnancy rates in beef heifers using a timed-AI program (3 year study). In: *Proc. 12th Roy Wallace Memorial Symposium on Bovine Reproduction*. Columbus, OH.
13. Johnson, C., **A. Ahmadzadeh**, S. Jensen, S. Etter, J. C. Dalton. 2008. Effect of duration of CIDR treatment on pregnancy rate per AI in dairy heifers. In: *Proc. 12th Roy Wallace Memorial Symposium on Bovine Reproduction*. Columbus, OH.
14. Hall, J., **A. Ahmadzadeh**, D. Falk, R. Stokes. 2008. Does targeted use of CIDRs affect pregnancy rates and cost? In: *Proc. 12th Roy Wallace Memorial Symposium on Bovine Reproduction*.
15. Dalton, J.C., **A. Ahmadzadeh**, R.C. Chebel, and J.L. Stevenson. 2006. Reproductive management of heifers. In: *Proc. Tri-State Northwest Dairy Shortcourse*, Portland, OR, Pg. 57-67.
16. **Ahmadzadeh**, A. J. C. Dalton, and F. Frago. 2005. Effect of Mastitis on Reproductive Performance of Dairy Cows. ABS Global/Balchem. *Pre-conference Symposium. Western Dairy Management Conference*. Reno, NV. Pg. 1-7.
17. Dalton, J. C. and **A. Ahmadzadeh**. 2004. Deciphering synchronization programs. In: *Proc. Tri-State Northwest Dairy Shortcourse*, Boise, ID. Pg. 65-74.
18. **Ahmadzadeh**, A., and J. C. Dalton. 2003. Estrous synchronization: A tool to improve reproductive efficiency. 2003. *Intermountain Cow Symposium*. Twin Falls, ID. Pg 33-41.
19. Dalton, J. C., and **A. Ahmadzadeh**. 2003. Troubleshooting reproductive problems: where to begin and what to expect. *Intermountain Cow Symposium*, Salt Lake City, UT. Pg 143-151.
20. Dalton, J. C., and **A. Ahmadzadeh**. 2002. Reproductive management and performance: trends, tips, and multiple semen straw thawing. In *Proc. Tri State Northwest Dairy Shortcourse*. Boise, ID. Pg. 51.
21. **Ahmadzadeh**, A., M. Weissbarth, V. Clarke, B. Purswell, and S.M. Boyle. 1999. Immune response in cats fed *Salmonella* expressing a swine zona pellucida antigen. In *Proc. Annual Research Symposium*, Virginia-Maryland Regional College of Veterinary Medicine. Blacksburg, VA.
22. **Ahmadzadeh**, A. 1996. Effects of nutrition on reproduction in dairy cows. *Proceedings, Virginia Tech Feed and Nutritional Management Cow College*. Blacksburg, VA. Pg 55.

Public Press:

1. **Ahmadzadeh**, A. and G. Heersche, Jr. 2012. The importance of good reproductive performance. *The Progressive Dairyman*. 14 (2):25.
2. Also available on line: **547 hits**
http://www.progressivedairy.com/index.php?option=com_content&view=article&id=8107:the-importance-of-good-reproductive-performance&catid=154:past-articles
3. The Importance of Good Reproductive Performance. G. Heersche (Ed). 2012. University of Kentucky, Cooperative Extension publication. http://www2.ca.uky.edu/afsdairy-files/extension/reproduction/The_Importance_of_Good_Reproductive_Performance.pdf
4. **Ahmadzadeh**, A, and A. Ryan. 2011. Metabolic disorders and mastitis impact reproduction. *The Cow Management*. 3(2):18.
5. **Ahmadzadeh**, A. and G. Heersche, Jr. 2011. The importance of good reproductive performance. *The Progressive Dairyman*. 13 (3):8.
6. Dalton, J.C., and **A. Ahmadzadeh**. 2010. Heat detection accuracy and AI technician evaluation. *The Progressive Dairyman*. 24 (3):69-70.
7. Dalton, J.C., and **A. Ahmadzadeh**. 2009. Use caution and logic when evaluating AI technicians. *Western Dairy News*. Volume 9, No. 8. In: *Hoard's Dairyman*. 154:16:W127-128.

8. Norell, R. J. S. Moseley, and **A. Ahmadzadeh**. 2004. Effect of free-stall design on cow behavior and. Article in Italian. Prove di confronto tra cuccette obsolete moderne. <http://www.dairyonline.it/Archivi/Confronto%20cuccette.pdf>.
9. Dalton, J. C. and **A. Ahmadzadeh**. 2004. Does batch thawing of semen affect conception? *Hoard's Dairyman (Japan)*. 10:563.
10. Dalton J. C., and **A. Ahmadzadeh**. 2004. Does batch thawing of semen affect conception rates? *Hoards' Dairyman*: 149:410.
11. Dalton, J.C., **A. Ahmadzadeh**, and R. Chebel. 2004. Manejo reproductivo en grandes hatos lecheros. (Reproductive management in large dairies.) *Carta Ganadera*. 17:206:33-41.
12. Dalton J. C. , and **A. Ahmadzadeh**. 2003. Are you familiar with the action of the pharmaceuticals used in Ovsynch and Heatsynch? *Progressive Dairyman*. 17 (9): 33.
13. **Ahmadzadeh, A.** 2001. Urea nitrogen and fertility. *Progre*
14. *ssive Dairyman*, 15 (10): 64.
15. **Ahmadzadeh, A.** 2000. Evaluation of two systematic breeding programs in lactating dairy cows-a revisit. *Progressive Dairyman*. 14 (11): 49.
16. **Ahmadzadeh, A.**,and M. A. Barnes. 1997. Fat supplementation during the early postpartum period may improve reproductive performance of dairy cow. *Virginia Dairyman* 61:18.

Popular Press (Inserts):

Dalton, J.C., and **A. Ahmadzadeh**. 2009. Use caution and logic when evaluating AI technicians. *Western Dairy News*. Volume 9, No. 8. In: *Hoard's Dairyman*. 154:16:W127-128.

Abstracts:

¹corresponding author

1. **Ahmadzadeh, A**¹. M. Corpron, P. Rezamand, and Q. Huo. 2021. Relationship between beef cow fertility and maternal immunity. *J Anim. Sci*. 9: (Suppl 3):420. <https://doi.org/10.1093/jas/skab235.753>
2. *Sandberg, W., **A. Ahmadzadeh**¹, P. Rezamand, Q Huo. 2021. The relationship between type 1-type 2 immunity and fertility in Holstein cows. *J. Dairy Sci*: (Suppl):
3. *Corpron. M, K. Carnahan, J. Dalton, J. Hall, **A. Ahmadzadeh**¹. Pregnancy and hormonal response in suckled beef cows administered high-concentration prostaglandin F2 α in a 5-day co-synch + CIDR synchronization program. *J. Anima. Sci* 9(Suppl 3): 122-123. <https://doi.org/10.1093/jas/skab235.224>
4. Carrelli, J. E. M. Gobikrushanth, M. Corpron, I. Rajesh, W. Sandberg, M.G. Colazo, **A. Ahmadzadeh**, M. Oba, and D.J. Ambrose. 2021. Heifers with short anogenital distance have better fertility than those with long anogenital distance. *Western Canadian Seminar, Advances in Dairy Technology* :33: 158.
5. Anderson, A. A., P. Rezamand, **A. Ahmadzadeh**, and A. L. Skibiel, 2020. Effects of particulate matter on health and production of dairy cattle. *J. Dairy Sci*. Vol 103 (supplement 1): 283.
6. Corpron, M. R., S. Menegatti Zoca, M. Reynolds, K. Carnahan, J. B. Hall, and **A. Ahmadzadeh**¹ 2019. Pregnancy and hormonal response in suckled beef cows administered high-concentration prostaglandin F2 α in a fixed-time artificial insemination 5-day CO-Synch + CIDR program. *Proc. App. Repro. Strategies in Beef Cattle*. P 306.
7. Norell, R. J., J. Wilson, M. de Haro Marti, M. Chahine, and **A. Ahmadzadeh**. 2019. An observational study of cow contact resistance conditions on commercial dairies in Idaho. *J. Dairy Sci*. Vol 102 (supplement 1): 352.
8. Reynolds, M., M. Ellison, G. Chibisa, **A. Ahmadzadeh**¹, J. B. Hall. 2018. Influence of post weaning grazing on reproductive measures in heifers. *J. Anima Sci.*, Vol. 96 (Abstract, E-Suppl.3)-57. <https://doi.org/10.1093/jas/sky404.127>
9. Norell, R. J., J. A. Spencer, S. Menegatti Zoca, **A. Ahmadzadeh**. Factors influencing the electrical resistance of various pathways through the dairy cow. *J. Dairy Sci.*, Vol. 101 (Suppl. 2): 277.
10. Norell, R. J., J. A. Spencer, S. Menegatti Zoca, **A. Ahmadzadeh**. 2018. Partitioning the resistance of electrical pathways through the cow into component segments. *J. Dairy Sci.*, Vol. 101 (Suppl. 2): 277.

11. Spencer, J. A*, S. M. Zoca, M. Reynolds, W. Price, B. Shafii, and **A. Ahmadzadeh**¹. 2018. One versus two prostaglandin F2 α injections on progesterone concentrations and luteolysis in suckling beef cows subjected to a 5-day controlled internal drug release-Cosynch protocol. *J. Anim. Sci.* Vol 96 (Suppl. 3):347. <https://doi.org/10.1093/jas/sky404.764>
12. *Spencer J. A., K. Carnahan, W. Price, B. Shafii and **A. Ahmadzadeh**¹. 2018. One injection of high-concentration prostaglandin F2 α is as effective as two injections of conventional prostaglandin F2 α in causing luteolysis for dairy cows subjected to a 5-d CIDR-Cosynch protocol. *J. Dairy Sci.*, Vol. 101 (Suppl. 2): 288.
13. *Spencer J. A., K. Carnahan, W. Price, B. Shafii and **A. Ahmadzadeh**¹. 2017. Effect of one versus two prostaglandin F2 α injections on progesterone concentrations and luteolysis in dairy cows subjected to a 5-d CIDR-Cosynch. *J. Dairy Sci.*, Vol. 100 (Suppl. 2): 283-4.
14. Norell, R., J. Spencer, **A. Ahmadzadeh**, M. E. de Haro Marti, and M. Chahine. 2017. Does a 500-ohm shunt resistor accurately characterize the electrical resistance of adult dairy cattle? *J. Dairy Sci.*, Vol. 100 (Suppl. 2): 297.
15. *Spencer, J. A., K. G. Carnahan, B. Shafii, J. Dalton, **A. Ahmadzadeh**¹. 2016. The effects of aspirin on pregnancy rates and pregnancy specific protein B in lactating dairy cows during the summer. *J. Dairy Sci.*, Vol. 99 (Abstract, E-Suppl. 1): 533.
16. *Hale, A., **A. Ahmadzadeh**¹, B. Shafii, J. Dalton. 2016. The effect of the liquid nitrogen level on the temperature in a semen storage tank. *J. Dairy Sci.*, Vol. 99 (Abstract, E-Suppl. 1): 23.
17. Maquivar M. G. **A. Ahmadzadeh**¹. 2016. A different approach in pedagogical model: Flipped classrooms. *J. Anima Sci.*, Vol. 94 (Abstract, E-Suppl. 5): 845.
18. **Ahmadzadeh**, A., J. M. Falk, D. T. Masser, and M. E. Doumit. 2015. The relationship between Delivery and Discovery skills and student performance in animal science courses. *J. Dairy Sci.*, Vol. 98 (Abstract, Suppl. 2):557.
19. **Ahmadzadeh**, A., J. M. Falk, D. T. Masser, and M. E. Doumit. 2015. Student delivery and discovery skills and performance in animal science courses. *NACTA Journal*, Vol .59: 29.
20. *Spencer, J., K. G. Carnahan, B. Shafii, C. Claypool, J. C. Dalton, **A. Ahmadzadeh**¹. 2015. The use of a modified 5-day CIDR-Cosynch protocol for resynchronization in lactating dairy cows. *J. Dairy Sci.*, Vol. 98 (Abstract, Suppl. 2): 93.
21. Claypool, C. K., J. Spencer, S. M. Zoca, B. Shafii, W. J. Price, **A. Ahmadzadeh**, N. R. Rimby, J. C. Dalton. 2015. Distribution of detected estrus following 14-day CIDR and prostaglandin F2 α treatment as a pre-synchronization strategy in dairy heifers. *J. Dairy Sci.*, Vol. 98 (Abstract, Suppl. 2): 115.
22. Claypool, C. K., J. Spencer, S. M. Zoca, B. Shafii, W. J. Price, **A. Ahmadzadeh**, N. R. Rimby, J. C. Dalton. 2015. Reproductive outcomes following presynchronization of dairy heifers with a 14-d CIDR and prostaglandin F2 α . *J. Dairy Sci.*, Vol. 98 (Abstract, Suppl. 2): 874.
23. *Spencer, J. A., K. Steinkamp, B. Shafii, and **A. Ahmadzadeh**¹. 2014. The effect of aspirin on prostaglandin F2 α secretion in lactating dairy cows during the luteal phase of the estrous cycle. *J. Dairy Sci.* 97 (E-Suppl. 1). 680
24. *Spencer, J. A., K. J. Austin, K. G. Carnahan, and **A. Ahmadzadeh**¹. 2014. The role of pH and progesterone on bovine uterine protein secretion in response to maternal recognition, interferon-tau. *J. Dairy Sci.* 97 (E-Suppl. 1). 242.
25. Masser, D. T., J. M. Falk, and **A. Ahmadzadeh**¹. 2014. The impact of implementing interactive exam review strategies on student satisfaction and exam scores. *J. Anim. Sci.* 92(Suppl. 2): 387.
26. **Ahmadzadeh**, A., L. Fox, M. McGuire, and K. Carnahan. 2013. Effect of prostaglandin F2 α on growth of *Mycoplasma bovis* associated with bovine mastitis. *J. Dairy Sci.* 96 (Suppl. 1). 112.
27. *Spencer, J., K. Austin, K. Carnahan, and **A. Ahmadzadeh**¹. 2013. Effects of urea on uterine response to interferon-tau in presence of progesterone. *J. Anim. Sci.* Vol. 91 (Suppl. 2): 182
28. Masser, D. J. Falk, and **A. Ahmadzadeh**¹. 2013. Alternative class exercise for information retention and retrieving course materials. *J. Dairy Sci.* 96 (Suppl. 1). 423.

29. **Ahmadzadeh, A.** T. Davis, K. Carnahan, and C. Autran, 2012. Effect of acidic pH on uterine response to interferon- τ . *J. Dairy Sci.* 95(Suppl. 2):733.
30. *Howard, J., C. Autran, J. Branen, G. Sasser, and **A. Ahmadzadeh**¹. 2012. Early detection of pregnancy-specific protein B (PSPB) following conception in Holstein heifers. *J. Anim. Sci.* 90(Suppl. 3): 75.
31. *Howard, J., C. Autran, J. Branen, K. Carnahan, R. Kasimanickam, G. Sasser, **A. Ahmadzadeh**¹. 2012. Pregnancy per AI of conventional versus sex sorted semen in dairy heifers subjected to a modified CIDR-PGF2 α -GnRH timed-AI protocol. *J. Dairy Sci.* 95(Suppl. 2):318.
32. **Ahmadzadeh, A.**, J. Spencer, B. Shafii, C. Johnson, J. Dalton, K. Carnahan, and S. Reeds. 2012. Investigation of the relationship between resumption of ovarian cyclicity and plasma nutritional markers in lactating dairy cows. *J. Dairy Sci.* 95(Suppl. 2):78.
33. **Ahmadzadeh, A.**, T. L. Davis, and K. G. Carnahan. 2011. Effect of urea on interferon-tau response in the bovine endometrium. *J. Dairy Sci.* 94 (Suppl. 1):486.
34. **Ahmadzadeh, A.**, T. Robison, K.G. Carnahan, and C. Autran. 2011. Effect of Various Doses of Prostaglandin F $_{2\alpha}$ on Estrous Behavior and Blood Progesterone Using a Modified 5-day CIDR-based Synchronization Protocol in Beef Cows. *J. Anim. Sci.* 89 (Suppl. 1):253.
35. Howard, J. M., K. Carnahan, C. Autran, J. Branen, R. Kasimanickam, G. Sasser, and **A. Ahmadzadeh**¹. Synchronization of Dairy Heifers with a modified 5-day CIDR-PGF $_{2\alpha}$ -GnRH timed AI protocol. *J. Dairy Sci.* 94 (Suppl. 1):594.
36. ⁺Autran, C., B. Shafii, J. C. Dalton, M. A. McGuire, **A. Ahmadzadeh**¹. 2011. Effect of prostaglandin f $_{2\alpha}$ on growth of *escherichia coli* and *streptococcus uberis* associated with bovine mastitis. *J. Dairy Sci.* 94 (Suppl. 1):347.
37. Dalton, J. C., L. Deragon, J. L. M. Vasconcelos, **A. Ahmadzadeh**¹, and R. F.G. Peres. 2011. Influence of sperm fertility-associated antigen status on nulliparous Nelore heifer fertility at first-service timed AI. *J. Anim. Sci.* 89 (Suppl. 1):592.
38. ⁺Robison, T., K.Y. Perry, K.G. Carnahan, T.L. Davis, and **A. Ahmadzadeh**¹. 2010. Comparison of three doses of prostaglandin F $_{2\alpha}$ in a 5-day CIDR-based synchronization protocol in beef cows. *J. Anim. Sci.* 88 (Suppl. 1):393.
39. **Ahmadzadeh, A.**¹, D. Gunn, J. B. Hall, and B. Glaze. 2010. Evaluation of 5-day versus 7- day CIDR treatment on reproductive outcomes of beef heifers using a modified timed-AI protocol. *J. Anim. Sci.* 88 (Suppl. 1):394.
40. ⁺Autran, C. A, **A. Ahmadzadeh**¹, B. Shafii, M. A. McGuire, and J. C. Dalton. 2010. Effect of prostaglandin F $_{2\alpha}$ on growth of *Staphylococcus aureus* associated with bovine mastitis. *J. Dairy Sci.* 93 (Suppl. 1):486.
41. **Ahmadzadeh, A.**, S. Read, K. C. Carnahan, and J. C. Dalton. 2010. Influence of flunixin meglumin on prostaglandin metabolites and progesterone in lactating dairy cows. *J. Dairy Sci.* 93 (Suppl. 1):221.
42. Lopes, Jr. G. L. G. Mendonça, R. C. Chebel, J. C. Dalton, and **A. Ahmadzadeh**¹. 2009. Effect of duration of CIDR treatment on reproductive performance of dairy heifers using a timed-AI protocol. *J. Dairy Sci.* 92 (Suppl. 1):263.
43. **Ahmadzadeh, A.**¹, D. Falk, D. Gunn, J. B. Hall, and B. Glaze. 2009. Reproductive outcomes of beef heifers treated with various duration of CIDR exposure in a modified timed-AI protocol. *J. Anim. Sci.* 87 (Suppl. 1):264.
44. Dalton, J. C., L. Deragon, J. L. M. Vasconcelos, and **A. Ahmadzadeh**. 2009. Does fertility-associated antigen on sperm collected from Nelore (*Bos indicus*) bulls affect fertility at first-service timed AI? *J. Dairy Sci.* 92 (Suppl. 1):582.
45. **Ahmadzadeh, A.**¹, D. Gunn, B. Glaze, and D. Falk. 2008. Effect of duration of CIDR exposure on reproductive performance of beef heifers using a CIDR-based timed-AI protocol. *J. Anim. Sci.* 86 (Suppl. 2):248.
46. Johnson C. R., M. W. Ayes, **A. Ahmadzadeh**, S. Etter, R.C. Chebel, and J.C. Dalton. 2008. Characterization of postpartum estrous behavior in lactating cows using radiotelemetry in a large dairy. *J.*

Dairy Sci. 90 (Suppl. 1):258.

47. **Ahmadzadeh, A.¹**, L. Muller, and M. Weber-Nielsen. 2008. A Novel Dairy Management Learning Experience for Undergraduates: The Dairy Challenge. In *Proc. NACTA/SERD Conference*. Pg 37.
48. [†]Gunn, D., J. B. Glaze, Jr., R. Findlay, D. Falk, and **A. Ahmadzadeh¹**. 2007. Evaluation of 5-day versus 7-day CIDR treatment on reproductive performance of beef cows using a timed AI protocol. *J. Anim. Sci.* 85 (Suppl. 1):319.
49. Stevenson, J. S., R. C. Chebel, J. C. Dalton, J. E. P. Santos, R. Sartori, **A. Ahmadzadeh¹**. 2006. Effect of Synchronization Protocols on Follicular Development of Dairy Heifers. *J. Dairy Sci.* 89 (Suppl. 1):150.
50. *Howard, J. M., D. G. Falk, K. G. Carnahan, J. C. Dalton, R. C. Chebel, T.C. Blair, and **A. Ahmadzadeh¹**. 2006. The use of a progesterone releasing device (CIDR), with GnRH and prostaglandin F_{2α} (PGF), for a fixed-time artificial insemination in beef heifers. *J. Anim. Sci.* 84 (Suppl. 1):51.
51. *Howard, J. M., R. Manzo, J. C. Dalton, and **A. Ahmadzadeh¹**. 2005. Conception rates and serum progesterone concentration in dairy cattle administered gonadotropin releasing hormone five days after artificial insemination. *J. Dairy Sci.* 88 (Suppl. 1): 38-39.
52. **Ahmadzadeh, A.¹**, M. L. Silber, and J. C. Dalton. 2005. Relationship between milk lactoperoxidase, progesterone and estradiol concentrations during estrus in dairy cows. *J. Anim. Sci.* 83 (Suppl. 1): 40.
53. Szasz, P.A, C.W. Hunt, **A. Ahmadzadeh**, R. Manzo, and J. I. Szasz. 2005. Evaluation of the substitution value of barley grain for conventional forage on growth and reproductive performance of beef heifers. *J. Anim. Sci.* 83 (Suppl. 1): 173.
54. Szasz, P.A, C.W. Hunt, **A. Ahmadzadeh**, R. Manzo, and J. I. Szasz. 2005. Evaluation of the substitution value of barley grain for conventional forage on as an energy source for wintering beef cattle. *Pacific Northwest Nutrition Conference*. Seattle, WA.
55. *Frago, F., **A. Ahmadzadeh¹**, R. Manzo, M. A. McGuire, and J. C. Dalton. 2004. Effect of naloxone on serum calcium concentrations immediately after parturition in multiparous Holstein cattle. *J. Dairy Sci.* 87 (Suppl. 1): 195.
56. *Frago, F., **A. Ahmadzadeh**, B. Shafii, J. C. Dalton, M. A. McGuire, and W. J. Price. 2004. Effect of clinical mastitis and other diseases on reproductive performance of Holstein cows. *J. Anim. Sci.* 82 (Suppl. 1): 258.
57. **Ahmadzadeh A.¹**, and M. A. McGuire. 2004. Dairy management symposium training: Instructive partnership between academia and industry. *J. Dairy Sci.* 87 (Suppl. 1): 402.
58. **Ahmadzadeh, A.¹**, M. A. McGuire, and R. Hatch. 2003, Experiential learning through a short-term dairy internship program. *J. Dairy Sci.* 86 (Suppl. 1):26.
59. **Ahmadzadeh, A.¹**, D. G. Falk, R. Manzo, C. B. Sellars, and J. C. Dalton. 2003. Effect of incorporation of low dose of estradiol cypionate (ECP) into a timed artificial insemination protocol on estrous behavior and conception rates in beef cattle. *J. Anim. Sci.* 81(Suppl. 1):180.
60. Dalton, J. C., R. Manzo, and **A. Ahmadzadeh**. 2003. Enhancing the efficiency of AI in dairy cattle through modified systematic breeding protocols utilizing heat detection and timed AI. *J. Dairy Sci.* 86 (Suppl. 1):183.
61. Norell R. J., S. Mosley, and **A. Ahmadzadeh**. 2003. Effect of free-stall design on cow behavior and performance. *J. Dairy Sci.* 86 (Suppl. 1):281.
62. McGuire, M.K., M.C. Doherty, M.A. McGuire, A. Koepp, **A. Ahmadzadeh**, J. Reeves and K. Beerman. 2002. Milk fat, suckling and duration of postpartum amenorrhea in lactating women. In: Program and Abstracts of the 11th International Conference of the International Society for Research in Human Milk and Lactation (ISRHML). Pg 88.
63. **Ahmadzadeh, A.¹**, M. A. McGuire, and R. Hatch, 2002. Experiential learning through a short-term dairy internship program. *Western Teaching Symposium*. UC Davis, Davis, CA.
64. Dalton J. C., **A. Ahmadzadeh¹**, B. Shafii, W. J. Price, and J. M. DeJarnette. 2002. Effect of elapsed time between initial thawing of multiple .5-mL semen straws and AI on conception rates in dairy cattle. *J. Dairy*

Sci. 85 (Suppl. 1):45.

65. **Ahmadzadeh, A.**¹, R. Manzo, C. B. Sellars, L Palmer, and R. L. Nebel. 2002. The efficacy of a reduced dose of GnRH on ovulation rate and time of ovulation in Jersey and Holstein dairy cows. *J. Dairy Sci.* 85 (Suppl 1):306.
66. *Sellars, C. B. , **A. Ahmadzadeh**¹, R. Manzo, J.C. Dalton, and J. Day. 2002. Incorporating Estradiol cypionate (ECP) into the OvSynch (OVS) protocol to improve conception rates in dairy cows. *J. Anim. Sci.* 80(Suppl 1): 307.
67. Doherty, M. C., K. Beerman, M.K. McGuire, M. A. McGuire, J. Reeves, and **A. Ahmadzadeh**. 2002. Leptin, body fat and duration of postpartum amenorrhea in lactating women. *FASEB. J.* 16:A662.
68. **Ahmadzadeh, A.**, S. M. Boyle, and B. J. Purswell. 2001. Antibody and pregnancy response in domestic cats following immunization against recombinant porcine zona pellucida protein. The 34 th International Meeting of Society for the Study of Reproduction. Ottawa, Canada. *Biol. Reprod.* 46 (Suppl. 1): 249.
69. Peterson B. C., P. R. Simpson, R. W. Hardy, T. L. Ott, **A. Ahmadzadeh**, and G. T. Schelling. 2001. Effect of somatostatin-14 (SS-14) and passive immunization against SS-14 on circulating levels of growth hormone (GH) in rainbow trout. *J. Anim. Sci.* 79(Suppl. 1):428.
70. Norell, R. J. , **A. Ahmadzadeh**, and E. P. Wagner. 2001. Evaluation of cow preference between modern and old free-stall design. *J. Dairy Sci.* 84(Suppl. 1):271.
71. **Ahmadzadeh, A.** M.A. Barnes, F.C. Gwazdauskas, and A. H. Walters. 2000. Dopamine antagonist affects cortisol secretion in lactating dairy cows. *J. Dairy Sci.* 83(Suppl. 1):208.
72. **Ahmadzadeh, A.**, M.A. Barnes, and R.M. Akers. 1999. Dopamine antagonist affects growth hormone secretion during the follicular and metestrus phases of the estrous cycle in Holstein cows. *J. Anim. Sci.* 77(Suppl. 1):233.
73. **Ahmadzadeh, A.**, M.A. Barnes, R.M. Akers, F.C. Gwazdauskas, and M.L. McGilliard. 1999. Effect of dopamine antagonist on LH and FSH secretion during the follicular and metestrus phases of the estrous cycle in Holstein cows. *J. Dairy Sci.* 82(Suppl. 1):49.
74. **Ahmadzadeh, A.**, M.A. Barnes, D.M. Denbow, A.W. Pryor, and S.M. Jobst. 1998. Luteinizing hormone, growth hormone and prolactin response to the dopamine antagonist, pimozide, during the luteal phase of the estrous cycle in lactating Holstein cows. *J. Dairy Sci.* 81(Suppl. 1):1186.
75. **Ahmadzadeh, A.**, M.A. Barnes, R.M. Akers, and M.L. McGilliard. 1998. Effect of dopamine antagonist on serum growth hormone and prolactin concentrations in primi- and multiparous Holstein cows during the early postpartum. *J. Dairy Sci.* 81(Suppl. 1):235.
76. **Ahmadzadeh, A.**, M.A. Barnes, R.M. Akers, and F.C. Gwazdauskas. 1998. Involvement of dopamine in modulation of LH and prolactin secretion in anovulatory Holstein cows during the early postpartum period. *J. Anim. Sci.* 76(Suppl. 1):92.
77. **Ahmadzadeh, A.**, M.A. Barnes, R.M. Akers, F.C. Gwazdauskas, and M.L. McGilliard. 1997. Effect of dopamine antagonist on serum growth hormone, IGF-I and prolactin secretion in lactating Holstein cows. *J. Anim. Sci.* 75(Suppl. 1):230.
78. Kendrick, K.W., T.L. Bailey, **A. Ahmadzadeh**, R.E. Bethard, M.H. Irby, D. Johnson, A.W. Pryor, R.E. Pearson, and F.C. Gwazdauskas. 1997. Effects of energy balance on hormonal patterns and recovered oocytes of lactating cows. *J. Dairy Sci.* 80(Suppl. 1):151.
79. **Ahmadzadeh, A.**, M.A. Barnes, R.M. Akers, F.C. Gwazdauskas, and M.L. McGilliard. 1996. Effect of dopamine antagonist on serum LH, FSH and prolactin secretion in lactating Holstein cows. *J. Anim. Sci.* 74(Suppl. 1):220.
80. **Ahmadzadeh, A.**, M.A. Barnes, and R.E. Pearson. 1995. Effect of naloxone on serum luteinizing hormone concentrations during the luteal and follicular phases of the estrous cycle in primiparous and multiparous Holstein cows. *J. Dairy Sci.* 78(Suppl. 1):308.
81. **Ahmadzadeh, A.**, M.A. Barnes, D. M. Denbow, and R.E. Pearson. 1995. Effect of naloxone on serum luteinizing hormone concentrations during the postpartum period in primi- and multiparous Holsten cows. *J. Dairy Sci.* 78(Suppl. 1):316.

82. Carline, S. K., A. S. Garst, C. G. Tarraf, T. L. Bailey, M. L. McGilliard, J. R. Gibbons, A. Ahmadzadeh, W. L. Walker, and F. C. Gwazdauskas. 1995. Effects of long term transvaginal follicular aspiration on hormone profile and oocyte recovery in dairy cattle. *J. Dairy Sci.* 78(Suppl. 1):304.

GRANTS AND CONTRACTS (as Principal Investigator)

Funded:

- Iddings Research Fellowship, “Evaluating the effects of one dose of high-concentration vs. two doses of conventional prostaglandin F_{2α} on progesterone concentration and fertility in a 5-d CO-Synch + CIDR re-synchronization protocol in lactating dairy cows” (Gradaute student Mentee, Whitney Sandberg), 2020-2021, \$4,300
- Idaho Dairymen Association, “Dairy Science Program: “Dairy Science Learning Experience: Cultivating a Better and Progressive Dairy Education Program for Idaho” 2019-2021, \$36,000
- Mary Turner, “The effect of various doses of prostaglandin F_{2α} on fertility in beef cows synchronized with a 5-d CIDR-Cosynch protocol” 2019, \$4,224
- Iddings Research Fellowship, “Evaluating of the effects of Lutalyse HighCon versus conventional Lutalyse on progesterone concentration at AI and fertility in a 5-day CIDR+Cosynch protocol in beef cows” (Gradaute student Mentee, McKenzie Corpron), 2018-2019, \$4,317
- Idaho Dairymen Association, “Dairy Science Program: “Dairy Science Learning Experience: Cultivating a Better and Progressive Dairy Education Program for Idaho” 2016-2018, \$32,000
- Mary Turner Endowment, Alta Genetic, “The effect of various doses of prostaglandin F_{2α} on luteolysis in beef cows synchronized with a 5-d CIDR-Cosynch protocol, 2017, \$4,324
- Idaho Dairymen Association, “Dairy Science Program: Enhancing Experiential and Theoretical Learning of Dairy Students at the University of Idaho” 2013- 2015, \$70,000.
- Select Sire Inc., “Fertility of dairy heifers using sex-sorted semen with and without GnRH at CIDR insertion”, 2012, \$3,300
- Genex Cooperative, Inc, “Fertility of dairy heifers following synchronization with a modified 5-day CIDR-PGF_{2α}-GnRH timed AI protocol using sex-sorted semen with and without GnRH at CIDR insertion", 2011, \$2,500.
- Genex Cooperative, Inc, “Fertility of dairy heifers following synchronization with a modified 5-day CIDR-PGF_{2α}-GnRH timed AI protocol using sex-sorted semen with and without GnRH at CIDR insertion", 2010, \$7,350.
- Idaho Dairymen Association, “Dairy science learning experience: cultivating a better and progressive dairy education program for Idaho”, 2011-2012, \$45,000,
- United Dairymen of Idaho, “The effect of prostaglandin F_{2α} on growth of *Mycoplasma bovis* associated with bovine mastitis”, 2010, \$5,600.
- Select Sire Inc. “Use of a new BioPRYN assay for early pregnancy detection and determination of pregnancy loss in dairy heifers synchronized with a modified 5-d CIDR-PGF_{2α}-GnRH timed AI protocol”, 2010, \$7,500.
- Idaho Dairymen Association, “Dairy Science Learning Experience: Cultivating a Better and Progressive Dairy Education Program for Idaho”, January 2009 -2010, \$41,500.
- Select Sire Inc. “Investigation of the relationship between resumption of ovarian cyclicity, early postpartum estrous behavior and plasma nutritional markers in lactating dairy cows”, March 2008, \$4,000.
- United Dairymen of Idaho, “Dairy Science Education Expanded and Progressive Dairy Education Program for Producing Safe and High Quality Wholesome Milk”, 2008, \$20,000.
- National Association of State Universities and Land-Grant Colleges (NASULGC), “USDA Food and Agriculture Sciences Excellence in Teaching Awards”, 2007, \$2,000
- Schering-Plough, “Influence of Banamine on Prostaglandin Metabolites and Progesterone Concentrations in Lactating Dairy Cows”, h 2007, \$4,110.
- United States Department of Agriculture, NRI, “Effect of high urea and low pH on uterine response to interferon tau" 2007, \$99,937.

- United Dairymen of Idaho, “Enhancement of Milk Quality and Safety through an Expanded and Progressive Dairy Education”, 2006 and 2007, \$45,000.
- ABS Global, “Effect of FSH treatment prior to initiation of Ovsynch in heifers: A Preliminary Study on Follicular Dynamics, Incidence of Ovulation, And Synchronization Rate”, 2006, \$2,500.
- United Dairymen of Idaho, “Dairy Science Education Program”, 2005, \$30,000.
- NSF-Idaho EPSCoR Scholar Program Award, "Graduate Assistantship for Talia C. Blair (advisee) for the Ph. D. degree in Animal", Science, 2005, \$14,000.
- United Dairymen of Idaho, “Teaching The Importance and Techniques of Producing Safe and High Quality Wholesome Milk”, 2003 and 2004, \$61,000.
- National Association of American Breeders (NAAB), “A Novel Method Of Detection of Estrus in Dairy Cattle Using In-Line Electrochemical Analysis of Lactoperoxidase in Fresh Milk”, 2003, \$15,000.
- Centro Agronomico Tropical de Investigacion Ensenaza (CATIE), “Instruction and Research for Mr. Filiberto Frago (advisee) for the Master of Science Degree in Animal Science”, 2002, \$15,300.
- University of Idaho Research Council Seed Grant, “Incorporation of Estradiol Cypionate into Timed Artificial Insemination Protocol to Improve Pregnancy Rates in Beef Cattle”, 2002, \$6,716.
- University of Idaho Research Office Travel Grant, to present abstracts at the American Dairy Science/American Society of Animal Science Joint meeting in Quebec, Canada, 2002, \$841.
- Select Sire Inc., “Incorporation of Estradiol Cypionate into Timed Artificial Insemination Protocol to Improve Pregnancy Rates in Beef Cattle”, 2002, \$2,000.
- University of Idaho, NSF-Idaho EPSCoR Equipment Program, “Real Time B-Mode Ultrasound and Accessories”, November 2002, \$10,750.
- United Dairymen of Idaho, “Teaching The Importance and Techniques of Producing Safe and High Quality Wholesome Milk”, 2001-2002, \$70,000.
- Select Sire Inc., “Timing of Ovulation Following Synchronization of Ovulation Using OvSynch Protocol in Holstein Cows”, 2000, \$3,550.

Pending:

GRANTS AND CONTRACTS (as Principal Investigator)

Not funded

- United States Department of Agriculture-HEC, “Leading-edge dairy management training: Instructive partnership between academia and industry”, March 2020, \$29,994
- Idaho Beef Council, “Enhancing Reproductive Efficiency of Beef Cattle Operations for the Sustainability of Animal Agriculture”, March 2019, \$6,668
- Select Sires, “Association between abundance of homologous recombination or cross-overs with male fertility in cattle, proof of concept”, February 2019, \$16,750
- Alta Genetic, “The effect of various doses of prostaglandin F_{2α} on luteolysis in beef cows synchronized with a 5-d CIDR-Cosynch protocol, April 2017, \$6,300
- Western SARE (USDA-NIFA), Enhancing Sustainability of Animal Agriculture through Reproductive Efficiency of Dairy and Beef Cattle Operations, May 2017, \$24,730
- Select Sire Inc., “Reproductive performance in dairy cows following CIDR-based resynchronization protocols: Influence of administration of GnRH at initiation of the protocol” January 2013, \$6,480
- Genex Cooperative, Inc, “Reproductive performance in dairy cows following CIDR-based resynchronization protocols: Influence of administration of GnRH at initiation of the protocol” August 2013, \$5,030
- Select Sire Inc., “Reproductive performance in dairy cows following CIDR-based resynchronization protocols: Influence of administration of GnRH at initiation of the protocol” March 2013, \$6,480
- University of Idaho Research Council Seed Grant, “The effect of long chain fatty acids on growth of Mycoplasma bovis associated with bovine mastitis ,January 2013, 11, 795

- Genex Cooperative, Inc, “Effect of Prostaglandin F_{2a} at the Time of AI on Incidence of Ovulation in Lactating Dairy Cows” October 2011, \$4,480.
- Genex Cooperative, Inc, “Fertility of Dairy Heifer Using a Modified 5-Day CIDR-PGF-GnRH Timed-AI Protocol with and Without GnRH At CIDR Insertion”, August 2009, \$9,800.
- Select Sire Inc., " Fertility of dairy heifer using a modified 5-day CIDR-PGF-GnRH timed-AI protocol with and without GnRH at CIDR insertion", March 2009, \$9,800.
- United States Department of Agriculture, NRI, “Effect of high urea and low pH on uterine response to interferon tau" November 2006, \$99,937.
- University of Idaho Research Council Seed Grant, “Effect of high urea on uterine response to interferon tau”, March 2007, \$10,000.
- Select Sire Inc., " Influence of Flunixin Meglumine on Prostaglandin Metabolites and Progesterone Concentrations in Lactating Dairy Cows", March 2007, \$3,800.
- United Dairymen of Idaho, “The Potential Economic Benefits to Idaho Dairy Producers from Participation in Carbon Market and Carbon Emission Reduction” , 2006-2007, \$6,000.
- Select Sire Inc., “Effect of FSH treatment prior to initiation of Ovsynch in heifers: A preliminary study on follicular dynamics, incidence of ovulation, and synchronization rate”, March 2006, \$5,350.
- United States Department of Agriculture, NRI, "Effect of high urea and low pH on uterine response to interferon tau" November 2005, \$99,926.
- Select Sires, “Fertility of Dairy Heifers Following Synchronization with a CIDR-PGF_{2α}-GnRH Timed AI Protocol with and without GnRH at CIDR Insertion”, March 2005, \$12,200.
- United States Department of Agriculture, NRI, “Use of Estradiol in a Timed Artificial Insemination Protocol: Effect on Fertilization, Embryo Quality, Accessory Sperm, and Luteal Function”, December 2004-05, \$99,928.
- United States Department of Agriculture, NRI, “Estradiol Cypionate in a Timed Artificial Insemination Protocol: Effect on Conception Rate, Luteal Function, and Embryonic Loss”, January 2003, \$99,855.
- National Association of American Breeders (NAAB), “GnRH-PGF_{2α} Timed Artificial Insemination Breeding Protocol to Improve Conception Rates in Dairy Cattle”, October, 2003, \$7,936.
- United States Department of Agriculture, HEC, “Leading-Edge Dairy Management Training: Instructive Partnership between Academia and Industry”, February 2003, \$248,838.
- National Association of American Breeders (NAAB), “High Urea Concentration and Low Uterine pH Associated with High Dietary Protein Affect Endometrial Uterine Secretion”, October 2002, \$13,180.
- Select Sire Inc., “Estradiol Cypionate in a Timed Artificial Insemination Protocol: Effect on Conception Rate, Luteal Function, and Embryonic Loss”, March 2002, \$11,745.
- United States Department of Agriculture, IFAFS, “Technology and Training to Improve Dairy System-wide Efficiency and Profitability”, Group Project between Idaho, New Mexico, and New York, May 2001, \$130,000.
- United States Department of Agriculture, IFAFS, “Incorporation of Estradiol Cypionate into Timed Artificial Insemination Protocol to Improve Pregnancy Rates in Cattle”, May, 2001 \$228,108.
- Idaho Beef Council, “Improvement of Meat Quality in Feedlot Heifers through the Development of a Contraceptive Vaccine”, March 2001, \$17,840.
- University of Idaho Research Council Seed Grant, “Swine Zona Pellucida (ZP) Protein as a Contraceptive Vaccine to Control Fertility in Feedlot Heifers”, February 2001, \$9,000.
- United States Department of Agriculture, IFAFS, “Incorporation of Estradiol Cypionate into Timed Artificial Insemination Protocol to Improve Pregnancy Rates in Cattle”, May 2000, \$214,155.
- University of Idaho Research Council Seed Grant, “Timing of Ovulation Following Synchronization of ovulation Using Ovsynch Protocol in Holstein Cows”, February 2000, \$6,750.

GRANTS AND CONTRACTS PROPOSALS (as Co-Investigator)

Funded

- Mary Turner, The use of systemic oxytocin administration for transcervical artificial insemination in sheep. April 2020. \$5,000 (Co-PI, PI: D. Konetchy)
- University of Idaho, ORED, “Blood Analyzer Machines to enhance research in animal health” December 2018, \$19,500 (Co-PI, PI: D. Konetchy)
- Idaho Dairyman’s Association “Measuring electrical resistance of dairy cattle”. January 2017 to December 2018. \$23,000. PI: R. Norell
- Select Sire, Inc. “Revisiting the importance of semen storage and handling: Characterization of the temperature gradient in the neck of modern liquid nitrogen tanks.” June 2010. \$2,000. PI: J. Dalton
- United States Department of Agriculture-CREES, “University of Idaho Multi Cultural Scholar Program”, June 2008, \$120,000. PI: J. Foltz
- Select Sire Inc., “Characterization of Early Postpartum Estrous Behavior in Lactating Cows using Radiotelemetry in a Large Commercial Dairy”, March 2007, \$2,900. PI: Joe Dalton.
- United dairyman of Idaho, “Documentation of Steroids in Human and Bovine Milk”, December 2006, \$93,980. PI: M. G. McGuire.
- ABS Global, “Investigation on the Heat Detection Accuracy of Herdsman-Inseminators”, September 2006, \$3,000. PI: J. C. Dalton.
- Genex Inc., “Expression of Mx Protein in Peripheral Blood Mononuclear Cells of Dairy Heifers: An Early Marker for Failed Pregnancies”, June 2005, \$6,500. PI: R. Chebel.
- University of Idaho Research Council Seed Grant, “Expression of Mx Protein in Peripheral Blood Mononuclear Cells of Dairy Heifers: An Early Marker for Failed Pregnancies”, March 2005, \$10,000. PI: R. Chebel.
- United States Department of Agriculture, HEC, Muti institution “A Novel Dairy Management Learning Experience for Undergraduates: The Dairy Challenge”, September 2004, \$150,766. PI: M. S. Weber. The UI PI, Ahmadzadeh \$34,000.
- Idaho Barley Commission, “Investigations of The Practicality of Substituting Barley For Hay to Supply Dietary Energy for Wintering Beef Cows”, July 2003, \$7,220. PI Carl Hunt.
- Select Sire Inc., "Effect of Elapsed Time Between Initial Thawing of Multiple 0.5 mL Semen Straws And AI on Conception Rates in Dairy Cattle", August 2002, \$3,000. PI: Joe Dalton.
- Select Sire Inc., “Effect of Elapsed Time Between Initial Thawing of Multiple 0.5 ml Semen Straws and AI on Conception Rates in Dairy Cattle”, January 2001, \$2,000. PI: Joe Dalton.
- Select Sire Inc., “A proposal to Enhance the Number of Pregnancies Achieved Following Modified Select Synch Protocol in Lactating Dairy Cattle”, March 2001, \$6,500. PI: Joe Dalton.
- University of Idaho Cooperative Extension System Critical Issues Program, “Effect of Elapsed Time between Initial Thawing of Multiple 0.5 mL Semen Straws and AI on Conception Rates in Dairy cattle”, October 2000, \$1,605. PI: Joe Dalton.
- United Dairymen of Idaho, “Evaluation of Cow Response to Improved Free Stall Housing”, January 2000, \$5,750. PI: Rick Norell

GRANTS AND CONTRACTS PROPOSALS (as Co-Investigator)

Not funded

- United States Department of Agriculture -NIFA, Creating a new industry for dairies in the arid American West to replace commercial fertilizer, enhance productivity of crops and cows, and create new job opportunities: nutrient management, productivity, and labor availability. Sept 2018. Submitted to USDA-NIFA (Co-PI of projects 3 & 6, PI: McGuire-PI); total proposed budget \$9,998,479; Project #3 Rezamand’s proposed budget; \$837,832, Project #6 Ahmadzadeh’s proposed budget, \$419,092)
- Keck Foundation, “Dairy Science Experiential Learning: Cultivating a Progressive, Interdisciplinary Hands-on Dairy Education Program for Sustainable Production in the Western US”, \$320,000, (Co-PI, PI: P. Rezamand)

- Is fresh sexed semen use at first service timed AI in dairy heifers feasible? Sponsor: Select Sires, Inc. Amount:” February 2019, \$8,020 (Co-PI, PI: J. Dalton).
- Washington State Sheep Producer, “Sheep Science Experiential Learning: Cultivating an Advanced and Progressive Sheep Education Program for the Pacific Northwest, January 2019, \$4,899 (Co-PI, PI: M. Colle)
- Select Sire Inc., “multiple Thaw of sex sorted semen”, March 2011, \$7,280. PI: Joe Dalton.
- Estroject, Heat Detector, Inc., “Comparison of Three Heat Detection Aids on Heat Detection Efficiency and Conception Risk in a Large Commercial Dairy Heifer Feedlot”, April 2009, \$9,946. PI: J. Dalton.
- Select Sire Inc., “Proposal to Investigate the Feasibility of Liquid-Stored Semen Usage in First Service Timed AI Programs”, March 2007, \$7,280. PI: Joe Dalton.
- Select Sire Inc., “Proposal to Investigate the Feasibility of Liquid-Stored Semen Usage in First Service Timed AI Programs”, March 2007, \$7,280. PI: Joe Dalton.
- ABS Global, "Effect of GnRH-CIDR-PGF_{2α} Based Synchronization Protocols on Follicle Development, Ovulation Synchronization Rate, and Pregnancy Rate of Dairy Heifers", March 2005, \$19,120. PI: R. Chebel.
- National Institute of Health (Environmental Health Science Program), “Reproductive Targets of Xenoestrogen”, April 2005 \$1,737,415. PI: H Jansen (WSU).
- BARD, “A New Opportunity to Solving the Problem of Inaccurate Estrus Detection in Dairy Herds by Electrochemical Measurement of Milk Lactoperoxidase”, September 2004, \$175,000. PI: M. Silber (WSU).
- United States Department of Agriculture, NRI, “Mx protein - New Opportunities for Understanding Pregnancy Failure in Dairy Cattle”, January 2004, \$473,413. PI: T. Ott.
- United States Department of Agriculture, HEC, “A Multi-Institutional Undergraduate Experience in Creating and Analyzing Dairy Enterprise Management Case Studies”, February 2004, \$300,000. PI: M. A. Barnes (Virginia Tech).
- United States Department of Agriculture, NRI, “Leptin and Leptin Binding Proteins Mechanism Controlling Energy Partitioning in Ruminants”, March 2004, \$373,123. PI: R. Hill.
- United States Department of Agriculture, NRI, “Leptin and Leptin Binding Proteins – Physiological Indicators of Body Condition in Beef Cattle”, November 2003, \$220,487. PI: R. Hill.
- United States Department of Agriculture, NRI, “Leptin and Leptin Binding Proteins – Physiological Indicators of Body Condition in Beef Cattle”, November 2002, \$220,200. PI: R. Hill.
- United States Department of Agriculture, IFAFS, “Nutrient Management of Dairy and Beef Operations Featuring the Feed-to-Watershed Continuum”, May 2000, and 2001, \$840,700. PI. A. Hristov.
- Select Sires, Inc., “A Proposal to Enhance the Efficiency of AI in Lactating Dairy Cattle and Heifers”, 2001: \$12,900. PI's Dalton, J.C. and A. Ahmadzadeh.
- United States Department of Agriculture, IFAFS, ‘Designing Milk to Improve Fertility’, May 2000 and 2001, \$395,326. PI: M. A. McGuire.
- Idaho State Board of Education (SBOE), “Research Center Competition: Idaho Center for Reproductive Biology”, FY 2000, \$480,000.

GIFTS and IN-KIND DONATIONS (~\$85,000)

- DDx, Heatwatch®, February 2000
Donation of software program and special discount on heat watch system for the U of I Dairy Center.
- Land O Lakes (\$300), Eco Lab (\$200), Pharmacia Animal Health (\$200), February 2001
Donation for student travel to the Western Dairy Herd Conference, Las Vegas, Nevada
- Pharmacia Animal Health, May 2001
Donation of drugs including PGF_{2α} and ECP (Valued \$1400), for graduate student project involving the role of ECP in time insemination systematic breeding protocol

- Select Sire Inc., August 2001
Donation for conducting AI short course (\$250)
- Church and Dwight (\$500) and Purina Mills (\$250), March 2002
Supporting travel for the UI Intercollegiate Dairy Challenge team to Michigan
- Select Sire Inc., April 2002
240 doses of semen (\$3,100), and PGF2 α 300 doses (\$900)
Used for the estrous synchronization research at Nancy Cummings Research Center
- Intervet Co., April 2002
GnRH (Fetagyl ®), 300 doses (\$1,200), used for graduate student project involving the role of ECP in time insemination systematic breeding protocol
- Dairy Shrine, April 2002
Supporting the UI Intercollegiate Dairy Challenge team (\$700)
- Kathy Jordan, Idaho Dairy producer, May 2002
Supporting the UI Dairy Judging (\$250)
- Merial Company, May 2002
GnRH (Cystorelin®) 300 doses, Used for the estrous synchronization research at Nancy Cummings Research Center (\$1,200)
- Pharmacia Animal Health, June 2002
PGF2 α (Lutalyse®) 300 doses (\$900)
- Merial Company, May 2002
GnRH (Cystorelin®) 150 doses (\$600)
- Merial Company, April 2003
GnRH (Cystorelin®) 200 doses (\$800)
- Dairy Shrine, April 2003
Supporting the UI Intercollegiate Dairy Challenge team (\$700)
- Monsanto Dairy Business, April 2003
Supporting UI dairy Club for spring trip Western Dairy Herd Conference (\$300)
- United Dairyman of Idaho, 2003 and 2004
Dairy promotion items (\$200)
- Select Sires, May 2003
Discount on 250 doses of semen, Used for the estrous synchronization research (\$625)
- Dairy Shrine, April 2004
Supporting the UI Intercollegiate Dairy Challenge team (\$1,200)
- Merial Company, April 2004
GnRH (Cystorelin®) 200 doses (\$850)
- Pfizer Animal Health, August 2004
CIDR® 80 doses (\$640), PGF2 α (Lutalyse®) 80 doses (\$240)
- Merial Company, March 2005
GnRH (Cystorelin®) 300 doses (\$900)
- Pfizer Animal Health, February 2005
CIDR® 200 doses (\$1,600), PGF2 α (Lutalyse®) 200 doses (\$600)
- Dairy Shrine, April 2005
Supporting the UI Intercollegiate Dairy Challenge team (\$1,200)

- North American Intercollegiate Dairy Challenge, May 2006
Supporting the UI Intercollegiate Dairy Challenge team (\$1,700)
- North American Intercollegiate Dairy Challenge, May 2006
Supporting the UI Intercollegiate Dairy Challenge team (\$450)
- Merial Company, March 2006
GnRH (Cystorelin®) 100 doses (\$300)
- North American Intercollegiate Dairy Challenge, May 2007
Supporting the UI Intercollegiate Dairy Challenge team (\$2,400)
- Merial Company, March 2007
GnRH (Cystorelin®) 250 doses (\$750)
- Pfizer Animal Health, February 2007
CIDR® 200 doses (\$1,600), PGF2 α (Lutalyse®) 200 doses (\$600)
- Schering-Plough, January 2008
PGF2 α (Estrumate®) 100 doses (\$300)
- Pfizer Animal Health, April 2008
CIDR® 200 doses (\$1,600), PGF2 α (Lutalyse®) 200 doses (\$600)
- North American Intercollegiate Dairy Challenge, May 2008
Supporting the UI Intercollegiate Dairy Challenge team (\$2,400)
- Pfizer Animal Health, May 2009
CIDR® 360 doses (\$2,880), PGF2 α (Lutalyse®) 360 doses (\$1,080)
- North American Intercollegiate Dairy Challenge, June 2009
Supporting the UI Intercollegiate Dairy Challenge team (\$2,400)
- Pfizer Animal Health, June 2010
CIDR® 170 doses (\$1,260), PGF2 α (Lutalyse®) 120 doses (\$360), GnRH (Factral®) 120 doses (\$360)
- Pfizer Animal Health, march 2010
Pure Dinoprost tromethamine, 5 gram, ~\$45,000
- Pfizer Animal Health, Octobere 2011
CIDR® 300 doses (\$2,250), PGF2 α (Lutalyse®) 300 doses (\$900), GnRH (Factral®) 450 doses (\$1,350)
- Pfizer Animal Health, November 2012
Pure Dinoprost tromethamine, 2 grams, ~\$18,000
- Pfizer Animal Health, November 2013
CIDR® 400 doses (\$2,800), PGF2 α (Lutalyse®) 400 doses (\$1,200), GnRH (Factral®) 600 doses (\$1,800)
- North American Intercollegiate Dairy Challenge, June 2013
Supporting the UI Intercollegiate Dairy Challenge team (\$1,600)
- North American Intercollegiate Dairy Challenge, June 2014
Supporting the UI Intercollegiate Dairy Challenge team (\$1,800)
- North American Intercollegiate Dairy Challenge, June 2015
Supporting the UI Intercollegiate Dairy Challenge team (\$2,800)
- North American Intercollegiate Dairy Challenge, June 2016-18
Supporting the UI Intercollegiate Dairy Challenge team (\$6,000)
- Zoetis Animal Health, November 2017-18
CIDR® 300 doses (\$3,000), PGF2 α (Lutalyse®) 300 doses (\$900), GnRH (Factral®) 600 doses (\$1,800)

- Support for Western Intercollegiate Dairy Challenge Competition from various companies (\$4,385)
- Zoetis Animal Health, November 2018-2019
CIDR® 400 doses (\$4,000), PGF2 α (Lutalyse®, & HighCon) 600 doses (\$1,800), GnRH (Factral®) 800 doses (\$2,400)
- Support for Western Intercollegiate Dairy Challenge Competition from various companies (\$4,385)
- Zoetis, product support, 2020 (valued at \$7,200).
- De Laval International, 2020, Equipment: Electronic Somatic Cell counter (\$3,500)
- Zoetis, product support (valued at \$~3,200).