

## Donata Cattaneo

**Current Appointment:** *Associate Professor*  
**Department of Health, Animal Science and Food Safety**  
**Università degli Studi di Milano (Italy)**

**Field of Specialization:** *Advances in Animal Nutrition*

### Academic Qualifications

- 1983 Graduate in Agricultural Sciences with full marks (110/110), Università degli Studi di Milano
- 1993 Doctorate (PhD) in Biotechnology applied to Veterinary Sciences and Animal Husbandry, Università degli Studi di Milano.

### Academic and Scientific Career

- 1985-1986 Postgraduate, Institute of Animal Nutrition, Faculty of Agriculture, Università Cattolica del Sacro Cuore, Piacenza (Italy)
- 1989-1992 PhD studentship in Biotechnology applied to Veterinary Sciences and Animal Husbandry, Università degli Studi di Milano
- 1994 -1996 Postdoctoral Fellowship, "Interactions between nutritional status and growth hormone (GH) activity", Institute of Animal Nutrition, Faculty of Veterinary Medicine, Università degli Studi di Milano
- 1993 -1997 (for 12 months ) Postdoctoral Visiting Scientist, Laboratory of Nutrient-Cell-Gene Interactions, The Babraham Institute, Cambridge (UK) "Nutritional regulation of growth hormone receptor gene expression"
- 1999-2003 Research Fellowship "Nutrition of periparturient dairy ruminants: role of energetic dietary sources ". Department of Veterinary Sciences and Technologies for Food Safety, Università degli Studi di Milano
- 1998 -2004 Contract Lecturer, Faculty of Veterinary Medicine, Università degli Studi di Milano
- 2005 - Associate Professor  
Faculty of Veterinary Medicine, Università degli Studi di Milano

## Teaching Activity (courses held at the Università degli Studi di Milano)

### **Undergraduate and Master programmes :**

1998/99	Biotechnology and Animal Nutrition
2002-2004	Food Biotechnology
2004/05	Functional Foods and Feeds
2005/06	Dietetic Feeds
2005-2011	Small Ruminants
2007-2010	Genetically Modified Organisms
2010-2011	Molecular Aspects of Nutrition
2011-2014	Conventional and GM feeds
2011-	Livestock Nutrition in Pasture-Based systems
2013-	Small Ruminants: Nutrition and Product Quality
2015-	Feed Nutritional Value

### **Doctoral (PhD) programmes:**

2005-2011	<i>In vitro</i> models applied to animal production Doctoral (PhD) School in Health and Animal Production: Science, Technologies and Biotechnologies
2006-2013	Molecular Diagnostics: applications in nutritional genomics studies Doctoral (PhD) School of Veterinary Sciences for Health and Food Safety

## Major Areas of Interest

- Nutritional and health properties of milk from ruminant species
- Interactions between animal nutrition and health: functional foods, nutraceuticals, bioactive lipids (n-3 fatty acids, CLA).
- Nutrition and gene expression, interactions between genes and food bioactive components
- Food safety

## Other activities

- Teaching Staff Member of the PhD in Biotechnology Applied to Veterinary Sciences and Animal Husbandry, Università degli Studi di Milano
- Invited lecturer at international meetings and workshops:  
2004: *Desertification Combat and Food Safety - The Added Value of Camel Producers*. NATO Advanced Research Workshop, Ashkabad (Turkmenistan)  
2007: *Impact of Pollution on Animal Products*. NATO Programme: Science for Peace and Security. Advanced Research Workshop, Almaty (Kazakhstan)
- Invited professor:

2011: 1<sup>st</sup> International Food Safety School (bachelor-master-doctorate level)  
Al-Farabi Kazakh National University, Almaty (Kazakhstan)

- Scientific Referee for “*International Dairy Journal*”, “*Journal of Dairy Research*”, “*Italian Journal of Animal Science*”, “*Journal of Food Composition and Analysis*”, “*Small Ruminant Research*”, “*Dairy Science and Technology*”, “*Canadian Journal of Zoology*”.
- Secretary of the Post-graduate *Specialisation School in Animal Nutrition* – Università degli Studi di Milano

## Publications

Author of more than 80 scientific publications (in peer reviewed journals, conference proceedings, chapter of books, scientific & technical periodicals in the field of specialization)

## Additional qualifications

1974: Certificate of Proficiency in English (CPE) - University of Cambridge (UK)

### **Publications in peer reviewed journals**

DELL'ORTO V., SAVOINI G., SALIMEI E., **CATTANEO D.**, SECCHI C. e ROSI F. (1993). Effects of recombinant bovine somatotropin (rbST) on productive and physiological parameters related to dairy cow welfare. *Livestock Production Science*, 36: 71-75.

DAUNCEY M.J., BURTON K.A., WHITE P., HARRISON A.P., GILMOUR R.S., DUCHAMP C., e **CATTANEO D.** (1994). Nutritional regulation of growth hormone receptor gene expression. *The FASEB Journal* 8: 81-88

CHELI F., BALDI A., GREGORETTI L., ROSI F., **CATTANEO D.**, e DELL'ORTO V. (1998). Changes of plasma insulin, urea, amino acids and rumen metabolites in somatotropin treated cows. *Amino acids*, 15: 187-194

WHITE P., **CATTANEO D.**, e DAUNCEY M.J. (2000). Postnatal regulation of myosin heavy chain isoform expression and metabolic enzyme activity by nutrition. *British Journal of Nutrition*, 84: 185-194.

KATSUMATA M., **CATTANEO D.**, WHITE P., BURTON K.A., e DAUNCEY M.J. (2000). Growth hormone receptor gene expression in porcine skeletal and cardiac muscles is selectively regulated by postnatal undernutrition. *Journal of Nutrition*, 130: 2482-2488

DELL'ORTO V., **CATTANEO D.**, BERETTA E., BALDI A., e SAVOINI G. (2000). Effects of trace element supplementation on milk yield and composition in camels. *International Dairy Journal*, 10: 873-879

SAVOINI G., **CATTANEO D.**, PARATTE R., VARISCO G., BRONZO V., MORONI P., PISONI G. (2003) Dietary rosemary extract in dairy goats organically managed: effects on immune response, mammary infections and milk quality. *Italian Journal of Animal Science*, 2 (Suppl. 1): 548-550.

AGAZZI A., **CATTANEO D.**, DELL'ORTO V., MORONI P., BONIZZI L., PASOTTO D., BRONZO V., SAVOINI G. (2004). Effect of administration of fish oil on aspects of cell mediated immune response in periparturient dairy goats. *Small Ruminant Research*, 55: 77-83

**CATTANEO D.**, DELL'ORTO V., VARISCO G., AGAZZI A., SAVOINI G. (2006). Enrichment in *n*-3 fatty acids of goat's colostrum and milk by maternal fish oil supplementation. *Small Ruminant Research*, 64: 22-29.

TEDESCO D., STELLA S., **CATTANEO D.**, GARAVAGLIA L., BARBIERI C. (2007). *In vitro* methods to evaluate the effects of plant waste products on rumen and gut microflora. *Italian Journal of Animal Science*, 6 (Suppl. 1): 370 – 372.

SAVOINI G., AGAZZI A., INVERNIZZI G., **CATTANEO D.**, PINOTTI L., BALDI A. (2010). Polyunsaturated fatty acids and coline in dairy goats nutrition: production and health benefits. *Small Ruminant Research*, 88: 135-144.

AGAZZI A., INVERNIZZI G., CAMPAGNOLI A., FERRONI M., FANELLI A., **CATTANEO D.**, GALMOZZI A., CRESTANI M., DELL'ORTO V., SAVOINI G. (2010). Effect of different dietary fats on hepatic gene expression in transition dairy goats. *Small Ruminant Research*, 93: 31-40

FARINA G, **CATTANEO D.**, LECCHI C, INVERNIZZI G, SAVOINI G AND AGAZZI A (2015). A Review on the Role of EPA and DHA Through Goat Nutrition to Human Health: Could they be Effective both to Animals and Humans?  
*Journal of Dairy, Veterinary & Animal Research*, 2 (2): 00027 1-5

AGAZZI A., **CATTANEO D.** (2016)  
Consolidated Properties and New Perspectives for Polyunsaturated Fatty Acids in Ruminant Diet  
*Journal of Dairy, Veterinary & Animal Research*, 4 (1): 00106 1-3

SAVOINI G., FARINA G., DELL'ORTO V., **CATTANEO D.** (2016)  
Through ruminant nutrition to human health: role of fatty acids  
*Advances in Animal Biosciences*, 7 (2): 199-206

HIWOT D., SAVOINI G., **CATTANEO D.**, SONCINI G., MARTINO P. (2016)  
Bacteriological Quality of Milk in Raw Bovine Bulk Milk in the Selected Milk Collection Centers: Smallholder Dairy Processing Ethiopia.  
*Journal of Veterinary Science & Animal Husbandry*, 4 (2): 201. doi: 10.15744/2348-9790.4.201

### **Chapter of books**

**CATTANEO D.**, DELL'ORTO V., FAVA M., SAVOINI G. (2005). Influence of feeding on camel milk components. In: *Desertification combat and food security. The added values of camel producers*, B.Faye and P. Esenov (eds.) IOS Press, NATO Science Series, Amsterdam, The Netherlands: 181-186.

**CATTANEO D.**, INVERNIZZI G., FERRONI M., AGAZZI A., REBUCCI R., BALDI A., DELL'ORTO V., SAVOINI G. (2008). Selenium and poultry products: nutritional and safety implications. In: *Impact of pollution on animal products*, Bernard Faye and Yuriy Sinyavskiy (eds.), Springer Science + Business Media B.V., Dordrecht, The Netherlands: 133-141.

### **Publications in peer reviewed Italian journals**

PIVA G., PIETRI A. e **CATTANEO D.** (1987) Micotossicosi del pollame: una rassegna. *Zootecnica e Nutrizione Animale*, 13: 51-65.

**CATTANEO D.**, SALIMEI E., SAVOINI G., BALDI A., CHELI F., FANTUZ F., e DELL'ORTO V. (1993). Effect of recombinant bovine somatotropin and calcium soaps on milk yield and composition. *Zootecnica e Nutrizione Animale*, 19: 185-196

**CATTANEO D.**, SALIMEI E., SAVOINI G., VERGANI F., OLTENACU P.A., e DELL'ORTO V. (1995). Bovine somatotropin and reproduction: a management hypothesis. *Selezione Veterinaria*, 36: 661-672.

**CATTANEO D.**, SALIMEI E., ROSI F., SAVOINI G., SGOIFO ROSSI C.A., e DELL'ORTO V. (1997). Responses of dairy cows to bovine somatotropin and protein sources with different rumen degradability. *Zootecnica e Nutrizione Animale*, 23: 245-255

CHELI F., BALDI A., GREGORETTI L., FANTUZ F., **CATTANEO D.**, e DELL'ORTO V. (1998). Effect of methionine and lysine on proliferation, plasminogen activator activity and protein synthesis in a bovine mammary epithelial cell line. *Zootecnica e Nutrizione Animale*, 24: 193-200.

### ***Proceedings of International conferences (in extenso)***

**CATTANEO D.**, SAVOINI G., SALIMEI E., CHELI F., BALDI A. KONDO M.G. e DELL'ORTO V. (1992). Variazioni della composizione del latte in bovine di razza Frisona Italiana trattate con rbST. *Milk Quality, Quality of Life. Atti del XXVII Simposio Internazionale di Zootecnia*. Società Italiana per il Progresso della Zootecnia: 99-111

CHELI F., BALDI A., **CATTANEO D.**, SAVOINI G. e ROSI F. (1992). Post-feeding levels of plasma amino acids, insulin and other plasma metabolites related to rumen parameters in dairy cows. *Proceedings of the Vth Congress of International Society of Animal Clinical Biochemistry, Parma, Italy*: 227- 229

DELL'ORTO V. e **CATTANEO D.** (1994). Biotechnology applied to animal nutrition. *Animal Production & Biotechnology. Proceedings XXIX International Symposium of the Società Italiana per il Progresso della Zootecnia*. Elsevier, Paris, France: 33-59.

BALDI A., CHELI F., BONTEMPO V., **CATTANEO D.**, SGOIFO ROSSI C., GREGORETTI L., e DELL'ORTO V. (1996). Effect of vitamin E supplementation of dairy cows' diet on milk and plasma  $\alpha$ -tocopherol levels. *Food and Health: Role of Animal Products. Proceedings XXI International Symposium of the Società Italiana per il Progresso della Zootecnia*. Elsevier, Paris, France: 49-51.

**CATTANEO D.**, DELL'ORTO V., VARISCO G., CIGALINO G., AGAZZI A., MORONI P e SAVOINI G. (2002). Use of nutraceuticals in organic dairy goat farming: effects of dietary fish oil during the peripartum on colostrum and milk composition. In *"Organic Meat and Milk from Ruminants. Proceedings of a joint International EAAP/BSAS Conference, Athens, Greece, October 2001"*, Wageningen Academic Publishers, The Netherlands: 193-195

MORONI P., BRONZO V., CUCCURU C., LUZI F., **CATTANEO D.** e SAVOINI G. (2002). Organic dairy goat farming: intramammary infections, milk production and quality. In *"Organic Meat and Milk from Ruminants. Proceedings of a joint International EAAP/BSAS Conference, Athens, Greece, October 2001"*, Wageningen Academic Publishers, The Netherlands: 153-156.

TEDESCO D., STELLA S., **CATTANEO D.**, GARAVAGLIA L., BARBIERI C. (2007). *In vitro* methods to evaluate the effects of plant waste products on rumen and gut microflora. *Italian Journal of Animal Science*, 6 (Suppl. 1): 370 – 372.

SAVOINI G., AGAZZI A., INVERNIZZI G., **CATTANEO D.** (2008). Use of fats in dairy goat nutrition: effects on milk characteristics and animal health. *Large Animal Review 14 (Suppl. 4)* : 142-143

**CATTANEO D.**, FERRONI M., CAPRINO F., MORETTI V., AGAZZI A., INVERNIZZI G., SAVOINI G. (2010). Dietary fats in transition dairy goats: effects on milk fatty acid composition. In: *Energy and protein metabolism and nutrition. 3<sup>rd</sup> EAAP International Symposium on Energy and Protein Metabolism and Nutrition*. Parma (Italy), 6 -10 September 2010. EAAP Publication No. 12. G. Matteo Crovetto (ed.), Wageningen Academic Publishers, The Netherlands: 667-668.

SAVOINI G., AGAZZI A., INVERNIZZI G., **CATTANEO D.** (2011).

Benessere nei piccoli ruminanti: quali opportunità? Strategie alimentari e salute animale.

In *"Il benessere nei piccoli ruminanti: quali opportunità?"* SIPAOC - Società Italiana di Patologia ed Allevamento degli Ovini e dei Caprini – Università degli Studi di Perugia – Istituto Zooprofilattico

Sperimentale dell'Umbria e delle Marche. Giornata di Studio. 1 giugno 2011, Facoltà di Agraria, Perugia: 27 – 34

<http://www.sipaoc.it/documenti/2011/Il-benessere-nei-piccoli-ruminanti-Atti.pdf>

**CATTANEO D.**, FERRONI M., CAPRINO F., MORETTI V., AGAZZI A., SAVOINI G. (2012). Temporal variations of conjugated linoleic acid (CLA) in goat's milk.

In: *Special Issue of the International Dairy Federation No. 1201*. IDF International Symposium on Sheep, Goat and other non-Cow milk. 16-18 May 2011, Athens, Greece. International Dairy Federation Special Issue No. 1201: 161-164

<http://www.fil-idf.org/Public/PublicationsPage.php?ID=27121#list>

### ***Proceedings of International conferences (abstracts)***

**CATTANEO D.**, ROSI F., BONTEMPO V., BALDI A. e NORDIO C. (1991).

Effects on selected plasma constituents of slow-release bovine somatotropin (bST) injected into lactating cows at 28-d intervals. *Abstracts of the Regional Meeting of the International Union of Physiological Sciences, Prague, Czechoslovakia*: 110.

DELL'ORTO V., SAVOINI G., SALIMEI E. **CATTANEO D.** e CHELI F. (1992). Effect of rbST and calcium soaps on the performance of lactating dairy cows. *Journal of Dairy Science*, 75 (Suppl.1): 179.

ROSI F., BALDI A., **CATTANEO D.**, CHELI F. e NORDIO C. (1993). Effects of rbST and calcium soaps on protein metabolism in the dairy cow. *Livestock Production Science*, 35: 197-198

**CATTANEO D.**, CHELI F., ROSI F., SAVOINI G., SALIMEI E. e BALDI A. (1993). Effects of recombinant bovine somatotropin (rbST) and calcium soaps on milk protein distribution. *Livestock Production Science*, 35: 190-191

DELL'ORTO V., **CATTANEO D.**, SGOIFO ROSSI C., SALIMEI E., CHELI F., ROSI F., VEZZOLI F., e SENATORE E. (1993). Effect of the use of protein sources with different rumen degradability on milk yield and composition of rbST injected cows. *Journal of Dairy Science*, 76 (Suppl.1): 284.

CHELI F., BALDI A., BONTEMPO V., **CATTANEO D.**, e FABRI B. (1994). Effect of vitamin E administration on milk and plasma  $\alpha$ -tocopherol levels in dairy cows. *Proceedings 45th Annual Meeting of the EAAP-European Association for Animal Production, Edinburgh, Scotland*: 123

DELL'ORTO V., **CATTANEO D.**, SAVOINI G., SALIMEI E., BALDI A., CHELI F., e SGOIFO ROSSI C. (1995). Use of rbST in ruminants: effects on milk yield and characteristics. *Quality Control and Requirements of Food of Animal Origin*. EAAP, FAO, CNR. FAO, Rome, Italy: 166.

KATSUMATA M., BURTON K.A., WHITE P., **CATTANEO D.**, e DAUNCEY M.J. (1997). Growth hormone receptor gene expression is related to metabolic and contractile properties of muscle. *Journal of Endocrinology*, 152: P125

CHELI F., BALDI A., GREGORETTI L., **CATTANEO D.**, e FANTUZ F. (1997). Amino acid effects on mammary epithelial cell growth and protein synthesis. *Livestock Production Science*, 50:172

CHELI F., GREGORETTI L., **CATTANEO D.**, e BALDI A. (1997). In vitro response of mammary epithelial cells to methionine and lysine supplementation. *EU COST Action 825 "Mammary Gland Biology". Joint Meeting, Padua, Italy*: 22.

MORONI P., PISONI G., ANTONINI M., **CATTANEO D.**, SAVOINI G., e BRONZO V. (2002). Rehabilitation community for drug addicts and goat farming: social-economical features and production quality. *Evolution of Sheep and Goat Production Systems: Future of Extensive Systems and Changes in The Society. Proceedings FAO/CIHEAM Network of cooperative research on sheep and goats, Alghero, Italy, April 2002*.

**CATTANEO D.**, DELL'ORTO V., AGAZZI A., MORETTI V., MORONI P. e SAVOINI G. (2002). Effects of dietary fish oil on colostrum fatty acid profile in dairy goats. *J. Dairy Sci.*, 85 (Suppl. 1): 292

MORONI P., ANTONINI A., LUZI F., **CATTANEO D.**, SAVOINI G., e BRONZO V. (2002). Prevalence of coagulase negative staphylococci (CNS) and correlation with somatic cell counts in Italian dairy goat herds. *J. Dairy Sci.*, 85 (Suppl. 1): 292

SAVOINI G., AGAZZI A., **CATTANEO D.**, MORONI P., BONIZZI L., PASOTTO D. e BRONZO V. (2002). Effects of the administration of fish oil on immune system in periparturient goats. *J. Dairy Sci.*, 85 (Suppl. 1): 292

BRONZO V., MORONI P., PISONI G., CASULA A., **CATTANEO D.**, SAVOINI G. (2003). Study on influences of nutraceutical dietary addition on some milk and blood immune parameters and intra-mammary infections in organic dairy goats. In "Book of Abstracts of the 54<sup>th</sup> Annual Meeting of the European Association for Animal Production, Rome, Italy, Aug-Sept 2003". Wageningen Academic Publishers, The Netherlands:175.

**CATTANEO D.**, SAVOINI G., AGAZZI A., BRONZO V., MORONI P., DELL'ORTO V. (2003). Enrichment of goat's colostrum and milk in n-3 long-chain polyunsaturated fatty acids by maternal dietary fish oil. In "Book of Abstracts of the 54<sup>th</sup> Annual Meeting of the European Association for Animal Production, Rome, Italy, Aug-Sept 2003". Wageningen Academic Publishers, The Netherlands: 219.

**CATTANEO D.**, ROSSI R, PANSERI S., SAVOINI G., AGAZZI A., MORETTI V.M. (2006). Temporal changes in milk CLA content and aroma compound profile in two breeds of dairy goats (Brown Alpine and Saanen). In: *4<sup>th</sup> Euro Fed Lipid Congress : 1-4 October 2006, Madrid : Workshop "Rumen biohydrogenation" : Lecture and Poster Abstracts. - 2006. - p. RUBI-008-RUBI-008*

STELLA S., TEDESCO D., BARBIERI C., GARAVAGLIA L. , **CATTANEO D.** (2007). Evaluation of antimicrobial effects on monogastric gut microflora by plant waste products. *J. Anim. Sci.*, 85 (Suppl.1): 65.

STELLA S., TEDESCO D., **CATTANEO D.**, GARAVAGLIA L., BARBIERI C. (2007). SAFEWASTES by-products: *in vitro* effects on piglet gut flora. *Italian Journal of Animal Science*, 6 (Suppl. 1): 373.

SAVOINI G., AGAZZI A., **CATTANEO D.**, BRONZO V., CECILIANI F. (2010).  
Modulatory effects of  $\omega$ -3 polyunsaturated fatty acids on milk fatty acids composition and dairy goats immune response. In: *Impact of animal feed on food quality and health of elderly consumers*. 2nd International FEED for HEALTH Conference. 14-15 June 2010, Tromsø, Norway. Joop Luten, Marie Cooper, Heidi Katrine Trige and Oddvar Dahl (eds.), Nofima, Tromsø , Norway: 12.

**CATTANEO D.**, M. FERRONI, F. BELLAGAMBA, F. CAPRINO, S. MAROCCOLO, A. AGAZZI, V.M. MORETTI, G. SAVOINI (2012). Feeding peripartal dairy goats with saturated or unsaturated lipid supplements: effects on plasma, colostrum and milk fatty acid composition. In: *Book of Abstracts*. IGA XI International Conference on Goats - Gran Canaria, Spain, 23-27 September 2012. IGA International Goat Association: 316  
<http://www.iga-goatworld.com/>

DESTA H, **D. CATTANEO**, P.A. MARTINO, V. ANTONIAZZI, G. SONCINI, V. DELL'ORTO, G. SAVOINI (2012) Occurrence of pathogenic species of *Enterobacteriaceae*, *Listeria monocytogenes*, *Staphylococcus aureus* and *Brucella* in bovine raw bulk milk in the selected milk sheds Asella Dairy Union and Ada Dairy Cooperatives, Ethiopia. In: *Conference Program and Abstracts - The 4<sup>th</sup> International FEED SAFETY Conference – Methods and Challenges-*. China Agricultural University, 11-13 September 2012, Beijing, The People's Republic of China: 72.  
<http://feedsafety.org/fs2012/posters/P07.php>

M. FERRONI, **D. CATTANEO**, A. AGAZZI, G. INVERNIZZI, F. BELLAGAMBA, F. CAPRINO, V.M. MORETTI, G. SAVOINI (2014)  
Effects of perinatal dietary lipid supplementation on fatty acid status of dairy goats and kids

In: *Book of Abstracts of the 65<sup>th</sup> Annual Meeting of the European Federation of Animal Science*. Book of Abstracts No. 20 (2014) Copenhagen, Denmark, 25-29 August 2014 . Wageningen Academic Publishers, The Netherlands: 357  
[http://www.eaap.org/Previous\\_Annual\\_Meetings/2014Copenhagen/Copenhagen\\_2014\\_Abstracts.pdf](http://www.eaap.org/Previous_Annual_Meetings/2014Copenhagen/Copenhagen_2014_Abstracts.pdf)

M. FERRONI, **D. CATTANEO**, A.AGAZZI, J. M.CAPUTO , G. INVERNIZZI,  
F. BELLAGAMBA, F. CAPRINO, G. SAVOINI (2015)  
Colostrum, n-3 FA status and immune response of newborn kids as influenced by maternal lipid supplementation  
*Italian Journal of Animal Science*, 14 (suppl. 1): 154.

### ***Proceedings of national conferences (in extenso)***

PIVA G., MASOERO F., PRANDINI A. e **CATTANEO D.** (1987). Effetto delle modalità di gestione dell'alimentazione sulle caratteristiche casearie del latte. *Atti del Convegno su Innovazione Tecnologica e Qualità Casearie del Latte*. C.R.P.A. Centro Ricerche Produzioni Animali: 15-31

POLIDORI F., BONTEMPO V., **CATTANEO D.** e CHIOFALO V. (1989). Parziale sostituzione dell'acqua di abbeverata con siero dolce in bovine da latte: effetti sulla produzione e composizione del latte. *Atti della Società Italiana delle Scienze Veterinarie, XLIII*: 1737-1741

SAVOINI G., BONTEMPO V., **CATTANEO D.**, SALIMEI E. e POLIDORI F. (1990). Svezamento precoce di vitelle da vita tramite l'utilizzo di mangimi estrusi. *Atti della Società Italiana di Buiatria, XXII*: 63-70.

DELL'ORTO V., BONTEMPO V., **CATTANEO D.**, MAINETTI F., BERTOCCHI L., BONI P., TOPPINO P, e CONTARINI G. (1990). Influenza dell'impiego di diverse fonti lipidiche sulla qualità del latte vaccino. *Atti della Società Italiana delle Scienze Veterinarie, XLIV*: 1571-1574.

POLIDORI F., SALIMEI E., SAVOINI G., **CATTANEO D.**, CHELI F. e CONTARINI G. (1991). Andamento di alcuni parametri ruminali in bovine in lattazione alimentate con bentonite sodica. *Atti IX Congresso Nazionale ASPA*: 283-291.

BALDI A., BONTEMPO V., POLIDORI P., **CATTANEO D.** e CORINO C. (1991). Impiego di un dispensatore a richiesta per liquid feed nell'alimentazione della capra da latte: osservazioni sul comportamento alimentare. *Atti della Società Italiana delle Scienze Veterinarie, XLV*: 1745-1749.

**CATTANEO D.**, SAVOINI G., SALIMEI E., VEZZOLI F. e DELL'ORTO V. (1992). Effetti dell'impiego di somatotropina bovina ricombinante (rbST) e di diversi livelli nutritivi della dieta sulle performances di bovine in lattazione. *Atti del Convegno su Università ed Innovazione Biotecnologia*. Consorzio Interuniversitario per le Biotecnologie (C.I.B): 27-28.

CHELI F., BALDI A., BONTEMPO V., **CATTANEO D.**, SALIMEI E. e DEGANO L. (1992). Contenuto ruminale e assorbimento degli acidi grassi volatili in bovine trattate con somatotropina a lento rilascio (rbST). *Atti della Società Italiana delle Scienze Veterinarie, XLVI*: 1757-1760.

SAVOINI G., **CATTANEO D.**, SGOIFO ROSSI C., SALIMEI E., CHELI F., ROSI F., VEZZOLI F., e DELL'ORTO V. (1993). Effetto dell'impiego di fonti proteiche a differente degradabilità ruminale sulla produzione di latte di bovine trattate con somatotropina bovina ricombinante a lento rilascio (rbST). *Atti 10° Congresso Nazionale ASPA*: 197-202

**CATTANEO D.** e DELL'ORTO V. (1993). Somatotropina bovina: tecnologia emergente nella produzione di latte. *Atti della 1ª Conferenza Nazionale su: Stato dell'Arte delle Ricerche Italiane nel Settore delle*



*Biotechnologie Innovative Applicate alle Scienze Veterinarie e Zootecniche*. Fondazioni Iniziative Zooprofilattiche e Zootecniche, Brescia: 179-186.

BALDI A., CHELI F., **CATTANEO D.**, FANTUZ F., e SGOIFO ROSSI C. (1993). Variazioni plasmatiche di alfa-tocoferolo in bovine da latte in seguito a somministrazione intraruminale di differenti forme di vitamina E. *Atti della Società Italiana delle Scienze Veterinarie, XLVII*: 1949-1953.

ROSI F., GRECO R., MOIA P., SALIMEI E., e **CATTANEO D.** (1993). Effetto dell'impiego di fonti proteiche a differente degradabilità ruminale sul metabolismo proteico di bovine trattate con somatotropina bovina ricombinante (rbST). *Atti della Società Italiana delle Scienze Veterinarie, XLVII*: 1797-1801.

WHITE P., BURTON K.A., **CATTANEO D.**, HARRISON A.P., e DAUNCEY M.J. (1994). Applicazione di biotecnologie nello studio delle interazioni fra stato nutrizionale ed accrescimento. *Atti della 2ª Conferenza Nazionale su Stato dell'Arte delle Ricerche Italiane nel Settore delle Biotechnologie Innovative Applicate alle Scienze Veterinarie e Zootecniche*. Fondazioni Iniziative Zooprofilattiche e Zootecniche, Brescia: 271-279.

CHELI F., BALDI A., GREGORETTI L., FANTUZ F., e **CATTANEO D.** (1997). Crescita e differenziazione di cellule epiteliali di ghiandola mammaria: effetto di diverse concentrazioni di metionina e lisina. *Atti XII Congresso Nazionale ASPA*, 195 -196

DELL'ORTO V., SAVOINI G., BERETTA E., BALDI A., e **CATTANEO D.** (1997). Produzione e qualità del latte di cammelle in Kenia. *Atti del Convegno: Il sistema produttivo animale in ambiente tropicale e subtropicale*: 46-48.

TEDESCO D., GIORGI P., BALDI A., **CATTANEO D.**, PERI V., e COMI G. (1997). Effetto dell'inclusione di livelli crescenti di vitamina E in diete per conigli in accrescimento. *Atti della Società Italiana delle Scienze Veterinarie, LI*: 487- 488.

CHELI F., **CATTANEO D.**, MONFARDINI E., e BALDI A. (1999). Valutazione dell'attività di sintesi di cellule epiteliali mammarie attraverso un sistema in vitro. *Atti della Società Italiana delle Scienze Veterinarie, LIII*: 455-456.

**CATTANEO D.**, ROSSI R, PANSERI S., SAVOINI G., AGAZZI A., MORETTI V.M. (2006). Caratteristiche nutrizionali del latte caprino prodotto nelle Prealpi Lombarde: profilo acidico e aromatico. In *“Stato della ricerca agricola in Lombardia: settore zootecnico” - Società Agraria di Lombardia – Milano - 1 Dicembre 2006*

SAVOINI,G., AGAZZI A., INVERNIZZI G., CAMPAGNOLI A., FERRONI M., CRESTANI M., GALMOZZI A., **CATTANEO D.** (2007). Approccio nutrigenomico alle variazioni del metabolismo epatico in capre da latte alimentate con differenti fonti lipidiche nel periparto. *Atti della Società Italiana delle Scienze Veterinarie, Salsomaggiore Terme, vol. LXI* : 431-432.

### **Publications in technical-scientific periodicals**

SAVOINI G., **CATTANEO D.**, DELL'ORTO V. (2007). Con più fibre nella dieta c'è più grasso nel latte. *Informatore Zootecnico, 54 (10)* : 24-30.

SAVOINI G., **CATTANEO D.**, DELL'ORTO V. (2007). Come aumentare le proteine del latte. *Informatore Zootecnico, 54 (11)* : 24-29.

SAVOINI G., **CATTANEO D.**, DELL'ORTO V. (2007). Urea e cellule del latte si governano con la dieta. *Informatore Zootecnico, 54 (16)* : 20-25.

SAVOINI G., AGAZZI A., **CATTANEO D.**, FERRONI M., INVERNIZZI G., V. DELL'ORTO (2009). Come influenzare il metabolismo dei lipidi nel fegato delle vacche. *L'Informatore Agrario, 21*: 45-48.