

Curriculum Vitae Prof. Valentino Bontempo

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Short Biography

Valentino Bontempo got the doctorate in Zootechnical Science at the University of Naples (Italy) in 1992. From 1992 to 1998 he was researcher at the Department of Animals, Vegetables and Environment Sciences, Agriculture Faculty, University of Molise. From 1998 to 2001 he was associate Professor of Animals Nutrition and Feeding at the same department. In 2001 he became full Professor of Animal Nutrition and Feeding at the Department of Veterinary Science and Technologies for Food Safety at the Faculty of Veterinary Medicine, University of Milan. Coordinator of the Doctorate in Animal Feeding and Feed Safety from 2006 to 2012. Member of the EAEVE commission. Director Graduate School of Veterinary Science for Animal Health and Food Safety. Supervisor of animals welfare at the experimental facilities of the VESPA Department.

Current Appointments:

Full Professor, Faculty of Veterinary Medicine, University of Milan

Scientific Director Animal Husbandry Teaching and Experimental Centre, University of Milan.

Director Post-Graduate School in Animal Nutrition

Fields of Specialisation:

Research activity has been mainly related to physiological and pathological aspects of animal nutrition. Main topics have been related to the role of nutrition on animal health. In the last years effects of functional food on immune response and gut health have also been investigated, mainly focused on developing nutritional strategies for the reduction of antibiotic use in animal production. Feed additives for dossier development in EC registration have been evaluated.

Current Teaching:

Animal Nutrition and Feeding for Veterinary Course

Nutrition and Feeding of Companion Animals for Animal Production Courses

Perinatal Nutrition for Animal Production Courses

Monogastric Feed Formulation for Animal Production Courses

International Cooperation:

European and non-European Feed Industry for additives evaluation and EC registration.

Key qualifications:

Consultant in international programs for evaluation and EC registration of feed additives for animal nutrition

Referring for:

Nutrition and Health in Monogastrics, Feed additives.

Main Publications last years

Ahasan A.S.M.L., Invernizzi G., Farina G., Pilotto A., Barbé F., Bontempo V., Rossi R., Bellagamba F., Lecchi C., Savoini G. and Agazzi A.

THE EFFECTS OF SUPEROXIDE DISMUTASE-RICH MELON PULP CONCENTRATE ON INFLAMMATION, ANTIOXIDANT STATUS AND GROWTH PERFORMANCE OF CHALLENGED POST-WEANING PIGLETS. *Animal* 2018, accepted for publication.

Bontempo V., Comi M., Jiang X.R., Rebutti R., Capraruolo V., Giromini C., Gottardo D., Fusi E., Stella S., Tirloni E., Cattaneo D., Baldi A. EVALUATION OF A SYNTHETIC EMULSIFIER PRODUCT SUPPLEMENTATION ON BROILER CHICKS. *Anim. Feed Sci. Technol.* 2018, 240: 157-164.

Zaninelli M., Redaelli V., Luzi F., Bronzo V., Mitchell M., Dell'Orto V., Bontempo V., Cattaneo D., Savoini G.

FIRST EVALUATION OF INFRARED THERMOGRAPHY AS A TOOL FOR THE MONITORING OF UDDER HEALTH STATUS IN FARMS OF DAIRY COWS. *Sensors* 2018, 862, 132; Doi: 10.3390/s18030862.

Zaninelli M., Redaelli V., Luzi F., Mitchell M., Bontempo V., Cattaneo D., Dell'Orto V., Savoini G. DEVELOPMENT OF A MACHINE VISION METHOD FOR THE MONITORING OF LAYING HENSA AND DETECTION OF MULTIPLE NEST OCCUPATIONS. *Sensors* 2018, 18, 132; Doi: 10.3390/s18010132.

Ghiringhelli M., Zenobi A., Brizzola S., Gandolfi F., Bontempo V., Rossi S., Brevini T.A.L., Acocella F. SIMPLE AND QUICK METHOD TO OBTAIN A DECELLULARIZED, FUNCTIONAL LIVER BIOSCAFFOLD. *Methods in Molecular Biology* 2017, DOI 10.1007/7651_2017_97.

Zaninelli M., Redaelli V., Luzi F., Bontempo V., Dell'Orto V., Savoini G.

A MONITORING SYSTEM FOR LAYING HENS THAT USES A DETECTION SENSOR BASED ON INFRARED TECHNOLOGY AND IMAGE PATTERN RECOGNITION. *Sensors* 2017, 17, 1195; doi: 10.3390/s17061195.

Jiang X.R., Li X.L., Awati A., Bento H., Zhang H.J., Bontempo V.

EFFECT OF AN ESSENTIAL OILS BLEND ON GROWTH PERFORMANCE, AND SELECTED PARAMETERS OF OXIDATIVE STRESS AND ANTIOXIDANT DEFENCE OF ESCHERICHIA COLI CHALLENGED PIGLETS. *J. Anim. Feed Sci.* 2017, 26: 38–43.

Ri C.S., Jiang X.R., Kim M.H., Wang J., Zhang H.J., Wu S.G., Bontempo V., Qi G.H.

EFFECTS OF DIETARY OREGANO POWDER SUPPLEMENTATION ON THE GROWTH PERFORMANCE, ANTIOXIDANT STATUS AND MEAT QUALITY OF BROILER CHICKS. *It J. Anim. Sci.* 2017, 16 (2): 246-252.

Bissonnette N., Jiang X.R., Matte J.J., Guay F., Talbot G., Bontempo V., Gong J., Wang Q., Lessard M. EFFECT OF A POST-WEANING DIET SUPPLEMENTED WITH FUNCTIONAL FEED ADDITIVES ON ILEAL TRANSCRIPTOME ACTIVITY AND SERUM CYTOKINES IN PIGLETS CHALLENGED WITH LIPOPOLYSACCHARIDE.

Vet. Immunol. Immunopathol. 2016, 182: 136-149.

Bontempo V., Comi M., Jiang X.R. THE EFFECTS OF A NOVEL SYNTHETIC EMULSIFIER PRODUCT ON GROWTH PERFORMANCE OF CHICKENS FOR FATTENING AND WEANED PIGLETS *Animal* 2016, 10 (4): 592-597.

Jiang X.R., Agazzi A., Awati A., Vitari F., Bento H., Ferrari A., Alborali G.L., Crestani M., Domeneghini C., Bontempo V. INFLUENCE OF A BLEND OF ESSENTIAL OILS AND AN ENZYME COMBINATION ON GROWTH PERFORMANCE, MICROBIAL COUNTS, ILEUM MICROSCOPIC ANATOMY AND THE

EXPRESSION OF INFLAMMATORY MEDIATORS IN WEANED PIGLETS FOLLOWING AN ESCHERICHIA COLI INFECTION.

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Ahasan A.S.M.L., Agazzi Al., Invernizzi G., Bontempo V., Savoini G. THE BENEFICIAL ROLE OF PROBIOTICS IN MONOGASTRIC ANIMAL NUTRITION AND HEALTH.

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Jiang X.R., Luo Fa H., Wu Shu G., Zhang Hai J., Bontempo V., Qu Ming R., Yue Hong Y., Qi Guang H. EFFECT OF PHYTATE SUPPLEMENTATION ON APPARENT PHOSPHORUS DIGESTIBILITY AND PHOSPHORUS OUTPUT IN BROILER CHICKS FED LOW-PHOSPHORUS DIETS.

Int. J. Anim. Sci. Food Safety 2015, 2 (1): 9-17.

Fanelli A., Agazzi A., Alborali G.L., Pilotto A., Bontempo V., Dell'Orto V., Demey V., Caputo J.M., Savoini G. PREVALENCE REDUCTION OF PATHOGENS IN POULTRY FED WITH SACCHAROMYCES CEREVISIAE.

Biotechnol. Agrom. Soc. Environ. 2015, 19 (1): 3-10

Jiang X.R., Awati A., Agazzi A., Vitari F., Ferrari A., Bento H., Crestani M, Domeneghini C., Bontempo V. EFFECTS OF A BLEND OF ESSENTIAL OILS AND AN ENZYME COMBINATION ON NUTRIENT DIGESTIBILITY, ILEUM HISTOLOGY AND EXPRESSION OF INFLAMMATORY MEDIATORS IN WEANED PIGLETS.

Animal 2015, 9 (3): 417-426.

Bontempo V., Jiang X.R. FEEDING VARIOUS FAT SOURCES TO SOWS: EFFECTS ON IMMUNE STATUS AND PERFORMANCE OF SOWS AND PIGLETS.

In Chantal Farmer (ed.) The gestating and lactating sow, Wageningen Academic Publishers 2015: pp. 357-375.

Jiang X.R, Zhang H.J., Mantovani G., Alborali G.L., Caputo J.M., Savoini G., Dell'Orto V., Bontempo V. THE EFFECT OF PLANT POLYPHENOLS ON THE ANTIOXIDANT DEFENCE SYSTEM OF WEANED PIGLETS SUBJECTED TO AN ESCHERICHIA COLI CHALLENGE.

J. Anim. Feed Sci. 2014, 23: 324-330.

J. Zhang H. J., Jiang X.R., Mantovani G., Valdez A., Marcello Comi M., Alborali G., Savoini G., Dell'Orto V., Bontempo V. MODULATION OF PLASMA ANTIOXIDANT ACTIVITY IN WEANED PIGLETS BY PLANT POLYPHENOLS.

It. J. Anim. Sci. 2014, 13: 424-430.

Bontempo V., Jiang X.R., Cheli F., Lo Verso L., Mantovani G., Vitari F., Domeneghini C., Agazzi A. ADMINISTRATION OF A NOVEL PLANT EXTRACT PRODUCT VIA DRINKING WATER TO POST-WEANING PIGLETS: EFFECTS ON PERFORMANCE AND GUT HEALTH

Animal 2014, 8 (5): 721-730.

Jiang X.R., Luo H., Qu M.R., Bontempo V., Wu S.G., Zhang H.J., Yue H.Y., Qi G.H. EFFECT OF NON-PHYTATE PHOSPHORUS LEVELS AND PHYTASE SOURCES ON THE GROWTH PERFORMANCE, SERUM BIOCHEMICAL AND TIBIAL PARAMETERS OF BROILER CHICKENS.

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Corino C., Pastorelli G., Rosi F., Bontempo V., Rossi R. EFFECT OF DIETARY CONJUGATED LINOLEIC ACID SUPPLEMENTATION IN SOWS ON PERFORMANCE AND IMMUNOGLOBULIN CONCENTRATION IN PIGLETS. *J. Anim. Sci.* 2009, 87: 2299-2305.

Di Giancamillo A., Vitari F., Savoini G., Bontempo V., Bersani C., Dell'Orto V., Domeneghini C. EFFECTS OF ORALLY ADMINISTERED PREBIOTICO *PEDICOCCLUS ACIDILACTICI* ON THE SMALL AND LARGE INTESTINE OF WEANING PIGLETS. A QUALITATIVE AND QUANTITATIVE MICRO-ANATOMICAL STUDY. *Histol. Histopathol.* 2008, 23: 651-664.

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