



14th World Buffalo Congress

Italy, Sorrento (NA), 28-30 October 2026

WBC2026 List of Posters

(Poster Number, Presenting Author, Title)

- P-1 **Marzia Albenzio** – *“SWATH-MS-based proteome profiling of buffalo milk under heat stress”*
- P-2 **Syed Yawar Ali** – *“From Commodity to Premium “Unlocking the Global Potential of Buffalo Milk””*
- P-3 **Maria Chiara Alterisio** – *“Mastitis in Mediterranean Buffaloes (Bubalus bubalis): Performance of the California Mastitis Test and Electrical Conductivity for Udder Health Assessment.”*
- P-4 **Nitira Anakkul** – *“Semen parameters of a cloned swamp buffalo (Bubalus bubalis) bull produced from somatic cell nuclear transfer”*
- P-5 **Chiara Arcuri** – *“Advancing Buffalo Genomics: Evaluation of a Next-Gen High-Density SNP Chip for Biodiversity Studies”*
- P-6 **Anna Balestrieri** – *“Microbiological and Oxidative Characterisation of Buffalo and Cow Dairy Products: correlation between Lactic acid bacteria, Lipid degradation and Electronic Nose Data”*
- P-7 **Supree Baosingsauy** – *“Socioeconomic impact of Institu Conservation of Thai Swamp Buffalo among Smaller holder Farmers in Thailand”*
- P-8 **Pietro Baruselli** – *“USE OF PROGESTERONE ASSOCIATED TO THE OVSYNCH PROTOCOL AND DELAY IN THE APPLICATION OF PGF2 α FOR OVULATION SYNCHRONIZATION AND TAI IN BUFFALOES DURING THE NONBREEDING SEASON”*
- P-9 **Pietro Baruselli** – *“Oxytocin treatment or additional dose of prostaglandin F2a at timed-AI failed to improve fertility in buffaloes synchronized during the nonbreeding season”*
- P-10 **Jesus Berdugo** – *“The effect of not milking at the end of lactation on weaning weight and the economy of a buffalo herd.”*
- P-11 **Umberto Bernabucci** – *“Impact of robotic milking on feeding behaviour of Italian Mediterranean dairy buffaloes”*
- P-12 **Stefano Biffani** – *“Genomic Selection: New Opportunities for the Italian Mediterranean Buffalo breeding”*
- P-13 **Francesco Bonavolontà** – *“Education and Development of Emerging Profiles with Relevant Artificial Intelligence Skills forthe Improvement of the Buffalo Dairy Supply Chain”*



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- P-14 **Navarat Boonpila** – *“The Identity of the Thai Buffalo and the Design of Khid Fabric Patterns for Contemporary Product Development: A Case Study of the Ban Sa Kaeo Enterprise Group, Ban Dung Subdistrict, Udon Thani Province.”*
- P-15 **Antonio Borghese** – *“Milkability in Mediterranean Italian Buffalo in comparison with other ruminants”*
- P-16 **Ada Braghieri** – *“Bridging Tradition and Welfare: Opportunities for Cow-Calf Contact (CCC) via Maternal and Foster Rearing in Italian Water Buffalo Farming”*
- P-17 **Julia Brenmoehl** – *“Functional analysis of the IGF-system in buffalo milk”*
- P-18 **Julia Brenmoehl** – *“Comparative analysis of thyroid regulation in Bubalus bubalis and Bos taurus”*
- P-19 **Alberto Brugiapaglia** – *“The use of lipid indices to assess the nutritional quality of Italian Mediterranean Buffalo and Friesian meat”*
- P-20 **Gianpaolo Bruni** – *“Cases of abortion related to Chlamydia pecorum in Mediterranean water buffalo (Bubalus bubalis) from central Italy”*
- P-21 **Carlos Alberto Calles Navas** – *“Diversification and its economic impact on dual-purpose livestock farming with Bubalus bubalis in the low tropics”*
- P-22 **Maria Concetta Campagna** – *“Occurrence of Aflatoxin M1 contamination in Southern Lazio (Italy) water buffalo milk: a long-term monitoring study”*
- P-23 **Wasupol Chatan** – *“Concurrent Eosinophilia, Basophilia, and Regenerative Anemia: A Characteristic Hematological Pattern in a Cohort of Thai Swamp Buffaloes”*
- P-24 **Wasupol Chatan** – *“Hematological Indicators of Systemic Inflammation and Anemia in Thai Swamp Buffaloes: Insights into Leukocyte and Platelet Dysregulation”*
- P-25 **Antonella Chiariotti** – *“Buffalo Farming and Dairy Innovation Transfer: An Italian-Cuban Cooperation Framework for Sustainable Local Food Systems”*
- P-26 **Antonella Chiariotti** – *“Impact of different cheese-making processes on the composition and techno-functional properties of powdered buffalo whey protein concentrates”*
- P-27 **Roberta Cimmino** – *“TransformDairyNet project: A European effort to promote Cow-Calf and Buffalo-Calf Contact dairy production systems”*
- P-28 **Angelo Citro** – *“Thermodynamic analysis and stability of vitamin E nanocomplexes with buffalo whey proteins”*
- P-29 **Angelo Citro** – *“Buffalo milk custards as functional matrices: impact on the bioaccessibility of encapsulated antioxidants during in vitro digestion”*



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- P-30 **Michela Contò** – *“Enhancing PUFA n-3 Content in Buffalo Meat through Linseed-Supplemented Diets”*
- P-31 **Lorenzo Costabile** – *“Developing skills for multifunctional buffalo farming: the MYFARM European training approach”*
- P-32 **Gustavo Crudeli** – *“Measuring progesterone and cortisol levels during follicular wave presynchronization in fixed-time artificial insemination programs in water buffaloes (*Bubalus bubalis*).”*
- P-33 **Nunzia D’Onofrio** – *“Dietary strategies to enhance buffalo mozzarella nutraceutical properties and endothelial resilience in vitro”*
- P-34 **Yasmine Dadi** – *“Occurrence and molecular characterization of methicillin-resistant *Staphylococcus aureus* and ESBL-producing *Escherichia coli* in bulk tank milk from water buffalo farms in southern Italy”*
- P-35 **Emanuele D’Anza** – *“Pedigree and heritability in the Italian Mediterranean Buffalo: preliminary results on key milk traits and implications for breeding strategies”*
- P-36 **Esterina De Carlo** – *“Correlation between intra-vitam diagnostic tests and post-mortem evidence of *Mycobacterium bovis* infection in Mediterranean buffaloes (*Bubalus bubalis*).”*
- P-37 **Sergio Esposito** – *“Assessment of risk factors for neonatal diarrhoea in dairy Mediterranean buffalo calves”*
- P-38 **Sergio Esposito** – *“Comparing welfare assessment protocols for dairy buffalo”*
- P-39 **Chiara Evangelista** – *“Effects of dietary energy liquid supplementation on lactating buffaloes under hot conditions on milk production performance in dairy buffaloes”*
- P-40 **Salvatore Fioriniello** – *“Genomic DNA methylation changes in the ruminal wall of dairy buffaloes versus dairy cattles”*
- P-41 **Tiziana Galli** – *“Characterizing the quality and hygienic-sanitary parameters of water buffalo bulk milk in the Lazio Region (Italy)”*
- P-42 **Francesca Garofalo** – *“Buffalo “burrata” produced in the province of Salerno: a comparison of different production technologies”*
- P-43 **Mayra Gómez** – *“Genomic regions associated with teat-related defects in Italian Mediterranean Buffalo”*
- P-44 **Giampiero Grossi** – *“Long-term GreenFeed monitoring of enteric methane emissions in lactating buffaloes: practical challenges and emission patterns”*



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- P-45 **Nirawan Gunun** – *“Utilization of yeast fermented liquid (YFI) in concentrate on feed intake and blood biochemical parameters of swamp buffaloes”*
- P-46 **Danilda Hufana-Duran** – *“Activation of Inactive Water Buffalo Bulls Through L-Carnitine Treatment: Effects on Libido and Testosterone Levels”*
- P-47 **miriam lacurto** – *“Body condition score and liveweight automation perspective in lactating Mediterranean buffaloes”*
- P-48 **Martina Iovino** – *“From Skills Gaps to Future Competences: The VITAL Approach for a Sustainable and Digital Livestock Sector”*
- P-49 **Mehar Khatkar** – *“AI-Powered Application for Predicting pH from Indicator Strip Images as an Example of Biosensor Application in Buffaloes”*
- P-50 **José Luis Konrad** – *“Evaluation of the effect of follicular wave presynchronization with different presentations of progesterone on pregnancy rates in fixed-time insemination programs in water buffaloes (Bubalus bubalis).”*
- P-51 **Michał Kosior** – *“Relationship between reproductive tract ultrasonographic morphometry and fertility outcomes in buffalo heifers.”*
- P-52 **Sukanya Leethongdee** – *“Field Implementation of GnRH/CIDR-Based Synchronization Protocols for Fixed-Time Artificial Insemination in Swamp Buffaloes: A Large-Scale Study in Northeast Thailand”*
- P-53 **Sukanya Leethongdee** – *“Prevalence of Hematological Dysregulation in a Cohort of Thai Swamp Buffaloes: Insights into Red Blood Cell Morphology, Leukocyte Distribution, and Platelet Characteristics”*
- P-54 **Ling Li** – *“Taurine Content in Buffalo Milk versus Holstein Cow Milk: Compositional Superiority, Molecular Mechanisms, and Processing Stability”*
- P-55 **Xiang Li** – *“Lignin Degradation Capability and Pathways of Aspergillus fumigatus Isolated from Buffalo Rumen”*
- P-56 **Aixin Liang** – *“Neddylation inhibition by MLN4924 modulates cell proliferation and secretory function in buffalo mammary epithelial cells”*
- P-57 **Aristotelis Lymberopoulos** – *“Phenotypic Characterization of Greek Indigenous Buffalo”*
- P-58 **Eugenio Maldonado H.** – *“Effect of age at first calving on productive and reproductive performance in the first lactation of murrah buffalo in an improved system in Venezuela.”*
- P-59 **Eugenio Maldonado H.** – *“Comparison of two systems of buffalo production in Zulia state Venezuela”*



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P-60 **Pablo Maldonado Vargas** – *“Regenerative water buffalo production in the NEA region, Argentina: holistic management for productive efficiency and ecosystem restoration”*

P-61 **Pablo Maldonado Vargas** – *“Water buffalo production and territorial development in Argentina: productive concentration and value chain limitations”*

P-62 **Luca Masiello** – *“Bacterial DNA in follicular fluid: a possible player in buffalo oocyte competence?”*

P-63 **Tri (Vitri) Satya Mastuti Widi** – *“Environmental Services and Conservation Challenges of Swamp Buffalo in Diverse Agroecosystems of Indonesia”*

P-64 **Felicia Masucci** – *“Validation of an ear-tag accelerometer for monitoring rumination and feeding behaviour in dairy buffaloes”*

P-65 **Muhammad Usman Mehmood** – *“Effect of timing for GnRH administration after CIDR removal on ovulation, corpus luteum development, and pregnancy in recipient embryo transfer buffaloes”*

P-66 **Antonio Minervino** – *“Serum biochemical profile of cattle and buffalo fed whole shelled corn or conventional concentrate diets”*

P-67 **Antonio Minervino** – *“Contrasting ecological drivers of Rhipicephalus microplus and Amblyomma spp. infestation in Amazon livestock”*

P-68 **Pattaya Napisirth** – *“Growth Performance and Feed Intake of Lao Native Buffaloes Fed Fermented Total Mixed Ration (FTMR) Inoculated with Lactobacillus plantarum”*

P-69 **Radena Nenova** – *“Venous blood gas parameters and acid-base values in newborn hypoglycemic buffalo calves with added sweet sorghum”*

P-70 **Ioana Nicolae** – *“Growth rates and health of un-weaned dairy buffalo calves in partial cow-calf contact system”*

P-71 **Thanapol Nongbua** – *“Field Fertility Rates of Thai Swamp Buffaloes Following a Scheduled Synchronization Program: Insights from the Udon Thani Livestock Development Project, Thailand”*

P-72 **Pencho Penchev** – *“Oligothelia in two buffaloes with different effect on morphology, productive and reproductive performance – a case report”*

P-73 **Paola Pepe** – *“Intestinal infections by zoonotic protozoa and associated risk factors in water buffalo farms in southern Italy”*

P-74 **Gladis Isabel Rebak** – *“Nutritional characteristics of low-moisture buffalo meat”*

P-75 **Gladis Isabel Rebak** – *“Milk quality from Mediterranean and Murrah buffalo raised in wetlands of Corrientes, Argentina.”*



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- P-76 **Simona Rinaldi** – *“Total fatty acids in buffalo and goat cheeses: a comparison of some niche dairy products”*
- P-77 **Rafael Emilio Rincón M.** – *“Genetic evaluation of the age of first calving in murrah buffaloes in some states of Venezuela.”*
- P-78 **Rafael Emilio Rincón M.** – *“Genetic and environmental factors on birth weight in buffalo in the Lake Maracaibo basin. Venezuela.”*
- P-79 **Daniela Roldán** – *“GENETIC AND GENOMIC”*
- P-80 **Sonia Alejandra Romera** – *“Immunogenicity and DIVA capability of a BoHV-1ΔgEβgal marker vaccine for the control of bovine and bubaline alphaherpesviruses in mixed herds”*
- P-81 **Emilio Sabia** – *“Replacing traditional feed ingredients with by-products: implications for carbon footprint and water scarcity in dairy buffaloes”*
- P-82 **Zadieshar Sanchez** – *“Technical Efficiency and Technology Adoption in Dairy Buffalo Milk Production in Central Luzon, Philippines”*
- P-83 **Caroline Sawyer** – *“Cultural Representations of Water Buffaloes in India: Implications for Marketing and Product Development”*
- P-84 **Dr.Sukhhermandeep Singh Shergill** – *“IMPACT OF MURRAH PROGENY TESTING PROJECT ON PUNJAB FARMERS.”*
- P-85 **Márcio Sturaro** – *“Analysis of colostral antibodies to herpesvirus 1 and 5 in murrah buffalo calves”*
- P-86 **Márcio Sturaro** – *“Stimulating Artisanal Cheese Production in Family Farming”*
- P-87 **Ika Sumantri** – *“Contrasting Ecosystems Shape Feed Resource Biodiversity for Swamp Buffalo: Evidence from Swamp area of South Kalimantan, Dry land of Tapanuli, and Mountain Areas of Gayo”*
- P-88 **Ika Sumantri** – *“Ethnosilvopasture: A Blueprint for Sustainable Buffalo Farming Where Local Tradition Meets Modern Science”*
- P-89 **Lucia Trapanese** – *“Historical description of buffalo lactation curve”*
- P-90 **Mustafa Uğurlu** – *“Effect of dam age and some climatic conditions on lactation milk yield in Anatolian Buffaloes”*
- P-91 **Juan Pablo Uzcátegui-Varela** – *“Descriptive sensory profile of firm yogurt made from buffalo (Bubalus bubalis) milk in combination with different gelatin concentrations”*
- P-92 **Juan Pablo Uzcátegui-Varela** – *“Assessment of serum vitamin D (25-hydroxycolecalciferol) concentrations in lactating buffaloes adapted to the humid tropic of the southern Lake Maracaibo Region, Venezuela”*



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P-93 **Anibal Vercesi** – “Association of kappa casein A and B alleles with milk production in buffaloes in Brazil”

P-94 **Haiying Zheng** – “Effect of P21 Inhibitors on the Development of IVF Water Buffalo Embryos”