



14th World
Buffalo Congress
Italy, Sorrento (NA)

Pre-conference Symposium
New technologies for reproduction and management in buffalo species



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October, 26-27 2026 Regional Experimental Farm Improsta - Strada Statale18, Eboli, Salerno,

Day 1 (October, 26): Applying New Technologies to Enhance Reproductive Efficiency in Buffalo			
Chair: Professor Pietro Sampaio Baruselli			
09:00-09:10	Introduction to Symposium	Prof. Dr. Pietro Sampaio Baruselli	University of Sao Paulo, Sao Paulo, SP, Brazil
		Prof. Dr. Gianluca Neglia	University of Naples Federico II, Naples, Italy
09:10-10:00	New technologies to enhance reproductive efficiency in buffalo: lessons from Türkiye	Prof. Dr. Serhat Alkan	University-Cerrahpaş, İstanbul, Türkiye
	Implementation of a Community-Based Water Buffalo Improvement Program: Field Performance and Genetic Sustainability in Istanbul, Türkiye	Prof. Dr. M. Ihsan Soysal Assoc. Prof. Dr. Kürsat Alkoyak	Tekirdağ Namık Kemal University, Tekirdağ, Türkiye
10:00-10:40	Use of assisted reproduction to enhance fertility in buffalo: lessons from Venezuela	Prof. Dr. Juan Carlos Gutiérrez-Añez	Friedrich Loeffler Institut, Mariensee, Germany
10:40-11:10	Coffee Break		
11:10-11:50	Application of <i>in vitro</i> technologies to enhance reproductive efficiency in buffalo: lessons from Italy	Prof. Dr. Bianca Gasparrini	University of Naples Federico II, Naples, Italy
12.30-13.10	Reproductive management and automated estrus detection technologies in buffalo	Prof. Dr. Gianluca Neglia	University of Naples Federico II, Naples, Italy
13:10-14:30	Lunch		
14:30-18:00	Practical activities: “Technologies for reproduction in buffalo”: ✓ Oocyte, semen & embryo evaluation ✓ Ultrasound and eco-colour Doppler ✓ Health management	Dr. Valentina Longobardi	University of Rome Tor Vergata, Rome, Italy
		Prof. Dr. Marco Russo	University of Naples Federico II, Naples, Italy
		Dr. Mario De Martino	Cowtech S.R.L., Milan, Italy

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Day 2 (October 27): Production and reproduction through innovative approaches			
Chair: Professor Gianluca Neglia			
09:00-09:40	Practical nutritional strategies to enhance fertility in buffalo: lessons from SE Asia	Prof. Dr. Michael J. D'Occhio	<i>University of Sydney, Sydney, Australia.</i>
9:40-10:20	Combining assisted reproduction and management to enhance fertility in buffalo: lessons from Brazil	Prof. Dr. Pietro S. Baruselli	<i>University of Sao Paulo, Sao Paulo, SP, Brazil</i>
10:20-10:50	Coffee Break		
10:50-11:30	Advanced technologies for milking management	Dr. Lorenzo Pascarella	<i>Italian Association of Breeders (AIA), Rome, Italy</i>
11:30-12:10	Milk quality through sensors	Dr. Roberta Matera	<i>University of Naples Federico II, Naples, Italy</i>
		Dr. Matteo Santinello	<i>University of Naples Federico II, Naples, Italy</i>
12:10-12:50	Genetic improvement and genomic selection in buffalo: the strengths of new technologies	Dr. Stefano Biffani	<i>IBBA – National Research Council, Milan, Italy</i>
13:00-14:30	Lunch		
14.30-17.30	Practical activities: “New technologies for health and management in buffalo”: ✓ Milking management (Lactocorder, Vadia) ✓ Thermography ✓ Artificial Intelligence ✓ Ovum pick-up	Prof. Dr. Jacopo Guccione	<i>University of Naples Federico II, Naples, Italy</i>
		Dr. Lorenzo Pascarella	<i>AIA Italian National Breeders Association, Rome, Italy</i>
		Prof. Dr. Francesco Bonavolontà	<i>University of Naples Federico II, Naples, Italy</i>
		Dr. Mattia Fonisto	<i>University of Naples Federico II, Naples, Italy</i>
		Dr. Mariateresa Verde	<i>University of Naples Federico II, Naples, Italy</i>
		Dr. Giorgio Antonio Presicce	<i>ARSIAL, Centro Regionale per la Zootecnia, Rome, Italy</i>