



**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. Pietro Sampaio Baruselli	<i>University of Sao Paulo, Sao Paulo, SP, Brazil</i>
		Prof. Gianluca Neglia	<i>University of Naples Federico II, Naples, Italy</i>
09:10-10:00	New technologies to enhance reproductive efficiency in buffalo: lessons from Türkiye	Prof. Serhat Alkan	<i>University-Cerrahpaş, İstanbul, Türkiye</i>
	Implementation of a Community-Based Water Buffalo Improvement Program: Field Performance and Genetic Sustainability in Istanbul, Türkiye	Prof. M. Ihasan Soysal	<i>Tekirdağ Namık Kemal University, Tekirdağ, Türkiye</i>
10:00-10:40	Use of assisted reproduction to enhance fertility in buffalo: lessons from Venezuela	Prof. Juan Carlos Gutiérrez-Añez	<i>Friedrich Loeffler Institut, Mariensee, Germany</i>
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. Bianca Gasparrini	<i>University of Naples Federico II, Naples, Italy</i>
12.30-13.10	Reproductive management and automated estrus detection technologies in buffalo	Prof. Gianluca Neglia	<i>University of Naples Federico II, Naples, Italy</i>
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 ✓ Ovum pick-up	Dr. Valentina Longobardi	<i>University of Rome Tor Vergata, Rome, Italy</i>
		Prof. Marco Russo	<i>University of Naples Federico II, Naples, Italy</i>
		Dr. Giorgio Antonio Presicce	<i>ARSIAL, Centro Regionale per la Zootecnia, Rome, Italy</i>

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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. 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. 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) ✓ Health management (accelerometers) ✓ Thermography ✓ Artificial Intelligence	Prof. Jacopo Guccione	<i>University of Naples Federico II, Naples, Italy</i>
		Dr. Lorenzo Pascarella	<i>AIA Italian National Breeders Association, Rome, Italy</i>
		Dr. Mario De Martino	<i>Cowtech S.R.L., Milan, Italy</i>
		Prof. 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>