13TH WORLD BUFFALO CONGRESS
VENEZUELA - 2023

13TH WORLD BUFFALO CONGRESS

HOTEL MELIÁ
CARACAS, VENEZUELA

PRELIMINARY PROGRAM

INTERNATIONAL BUFFALO FEDERATION

FEDERACIÓN AMERICANA DE CRIADORES DE BUFALOS

UNIVERSIDAD DEL ZULIA

@CRIABUFALOS

(UPDATED NOVEMBER 7, 2023)

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ASOCIACIÓN CIVIL CRIADORES DE BÚFALOS DE VENEZUELA
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Management, Behavior & Animal Welfare (1)	Feed & Nutrition (2)	Genetics & Animal Breeding (3)	Animal Health & One Health (4)	Reproduction (5)	Biotechnology & Omics Technologies (6)	Buffalo's Products & Industry (7)	Sustainability & Socioeconomics (8)
A: Lectures	A: Lectures	A: Lectures	A: Lectures	A: Lectures	A: Lectures	A: Lectures	A: Lectures
B: Short oral communications	B: Short oral communications	B: Short oral communications	B: Short oral communications	B: Short oral communications	B: Short oral communications	B: Short oral communications	B: Short oral communications
SOCIAL & JOINT ACTIVITIES					FORUM 1	FORUM 2	FORUM 3

SCHEDULE

HORA	WEDNESDAY, 22	THURSDAY, 23	FRIDAY, 24							
6:00-17:00	LATE REGISTRATION	EXHIBITION OF BUFFALOES	EXHIBITION OF BUFFALOES							
8:00-8:30	OPENING CEREMONY		MANZANARES I				MANZANARES II			
8:00-10:00	1A (MANZANARES)	5A (MANZANARES)	1B	2B	3B	4B	5B	6B	7B	8B
10:00-10:30	COFFEE BREAK/PÓSTER S1-S2	COFFEE BREAK/PÓSTER S5-S6	COFFEE BREAK							
10:30-12:00	2A (MANZANARES)	6A (MANZANARES)	IBF ASSEMBLY (10:30-11:30)							
			RÍO LIMÓN				RÍO OCAMO II		RÍO OCAMO I	
11:30-12:30			SCIENTISTS				BREEDERS		PROFESSIONALS	
12:00-13:30	LUNCH									
13:30-15:30	3A (MANZANARES)	7A (MANZANARES)	CLOSING CEREMONY							
15:30-16:00	COFFEE BREAK/PÓSTER S3-S4	COFFEE BREAK/PÓSTER S7-S8	COFFEE BREAK/FAREWELL TOAST							
16:00-18:00	4A (MANZANARES)	8A (MANZANARES)	FAREWELL CONCERT							
19:00-23:30	WELCOME COCKTAIL	GALA DINNER	BUFFALO AUCTION							

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PRE-CONGRESS WORKSHOPS

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WORKSHOPS	SPEAKERS	DATES AND PLACE
Reproduction and Assisted Reproductive Technologies in Buffaloes	Dr. Juan C. Gutiérrez (Venezuela), Dr. Pietro Baruselli (Brazil) Dr. William Vale (Brazil) Dr. Naresh Selokar (India) Dr. Vittoria Barile (Italy) Dr. Olimpia Barbato (Italy) Dr. Antonio González (Costa Rica/Germany	20 and 21 November 2023. Meliá Hotel (Río Ocamo II y III)
Buffalo´s dairy products and industry	Dr. Angelo Citro (Italy) Dr. Franco Vasile (Argentina) MS Emiro Valbuena (Venezuela)	20 and 21 November 2023. Meliá Hotel (Río Ocamo I)
Buffalo´s meat products and industry	Dr. Gladis Rebak (Argentina) Dr. Enrique Márquez (Venezuela) DVM Diego Gómez) (Argentina)	20 and 21 November 2023. Meliá Hotel (Río Limón)
Animal welfare and regenerative livestock. Module 1: Buffalo`s welfare and management (morning)	Dr. Domenico Vecchio (Italy) Dr. Luigi Bertocchi (Italy) Dr. Natalia Guarino (Brazil) Dr. Luis de la Cruz (Mexico) DVM Juan Villa (Venezuela)	21 November 2023. Meliá Hotel (Río Pao)
Animal welfare and Regenerative livestock. Module 2: Regenerative livestock (afternoon)	Eng. Andrés Felipe Pérez (Colombia) Eng. Jair Pérez (Venezuela) Eng. Andrés Felipe Pérez (Colombia) Eng. Jorge Luis Ayala (México)	

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Tuesday 21st 2023

16:00-19:00: Registration

20:00-22:00: Congress Welcome

Wednesday 22nd 2023

6:00-17:00: Registration

8:00-8:30: Official Opening Ceremony

SECTION 1

Buffalos's Management, Behavior & Animal Welfare
Moderator: Dr. Domenico Vecchio
Room: Manzanares

Invited Lectures

8:30-9:00: **Sustainability of buffalo farming in different environments in the World. Prof. Dr. Antonio Borghese,** General Secretary of the International Buffalo Federation (IBF), Monterotondo, Rome, Italy

9:00-9:30: **Maximizing the potential of water buffalo milkability: best practices and lessons learned. Dr. Carlo Boselli,** Experimental Zooprophylactic Institute Lazio and Toscana Mariano Aleandri Rome, Italy.

9:30-10:00: Q&A Session. Panel Discussion

10:00-10:30: **POSTER SESSION 1 and 2. Coffee break**

SECTION 2

Feed & Nutrition
Moderator: Dr. Antonella Chiariotti
Room: Manzanares

10:30-11:00: **Nutritional strategies for maximizing buffalo production efficiency. Dr Amrish Kumar Tyagi,** Indian Council of Agricultural Research (ICAR), India

11:00-11:00: **Buffalo Feed Efficiency: Optimizing the use of fibrous biomass carbon to enhance production while mitigating rumen methane emission. Prof. Dr. Metha Wanapat,** Faculty of Agriculture, Khon Kaen University, Khon Kaen, Thailand.

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11:30–12:00: Q&A Session. Panel Discussion

12:00–13:30: Lunch

SECTION 3	**Genetics & Animal Breeding** Moderator: Dr. Juan Carlos Gutiérrez Room: Manzanares

Invited Lectures

13:30–14:00: **Our experience of Buffalo improvement in India: Last 50 Years Journey. Dr. T.K. Datta,** Director ICAR- Central Institute for Research on Buffaloes Hisar, Haryana, India.

14:00–14:30: **Historia y evolución del desarrollo genético del búfalo en Venezuela: énfasis en la producción de leche. Prof. Ms. Néstor Montiel,** Universidad del Zulia, Facultad de Ciencias Veterinarias, Venezuela.

14:30–15:00: **Genetic, hereditary, and congenital diseases in buffaloes: are they a limiting factor for the buffalo development in Latin America? Prof. Dr. William Vale,** State University of Ceará - UECE, Brazil.

15:00–15:30: Q&A Session. Panel Discussion

15:30–16:00: **POSTER SESSION 3 and 4. Coffee break**

SECTION 4	**Animal Health & One Health** Moderator: Dr. Gabriela Carruyo Room: Manzanares

Invited Lectures

16:00–16:30: **Building resilient cattle through better management of buffalo health. Prof. MS Alfredo Sánchez,** University of Zulia, College of Veterinary Medicine, Venezuela.

16:30–17:00: **Animal welfare correlation with biosecurity and antimicrobial use in buffalo farm evaluated by ClassyFarm System". Prof. Dr. Domenico Vecchio,** Experimental Zooprophylactic Institute of Southern Italy, Italy.

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17:00-17:30: **Expansion of the buffalo agri-system and industry following the One Health approach. Prof. Dr. Gabriela Carruyo,** University of Zulia, College of Veterinary Medicine; Inter-American Institute for Cooperation on Agriculture (IICA), Venezuela.

17:30-18:00: Q&A Session. Panel Discussion

19:00-23:00: **Welcome Cocktail**

THURSDAY 23rd 2023

SECTION 5

Reproduction
Moderator: Dr. Naresh Selokar
Room: Manzanares II

Invited Lectures

8:00-8:30: **Pregnancy-Associated Glycoproteins in buffalo: origins, functions, and clinical application for pregnancy follow-up. Prof. Dr. Olimpia Barbato,** University of Perugia, Italy.

8:30-9:00: **Integrated Technique of Buffalo Fertility Management in Nepal. Prof. Dr. Bhuminand Devkota,** Agriculture and Forestry University, Nepal.

9:00-9:30: **Breeding for sustainability: How reproductive biotechnologies can help buffalo farmers combat climate change. Prof. Dr. Pietro Baruselli,** University of São Paulo, Brazil.

9:30-10:00: Q&A Session. Panel Discussion

10:00-10:30: **POSTER SESSION 5 and 6. Coffee break**

SECTION 6

Biotechnology & Omics Technologies
Moderator: Dr. Pietro Baruselli
Room: Manzanares II

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10:30-11:00: **Implementing Genomic Selection in the Italian Mediterranean Buffalos: challenges and opportunities. Dr. Mayra Gómez Carpio,** National Association of Buffalo Species Breeders (ANASB), Italy.

11:00-11:30: **Reproductive Cloning and Genome Editing in Buffalo: Way Forward for Improved Productivity. Dr. Naresh Selokar,** ICAR-National Dairy Research Institute, India.

11:30-12:00: **From DNA to Sustainability: The genomics approach in livestock production. Prof. Dr. Juan C. Gutiérrez,** College of Veterinary, Medicine, University of Zulia, Venezuela.

Q&A Session. Panel Discussion

12:00-13:30: Lunch

SECTION 7	**Buffalo's Products & Industry** Moderator: Dr. Franco Vasile Room: Manzanares I

13:30-14:00: **Critical points in the buffalo meat value chain. Dr. Gladis Rebak,** National University of the Northeast, Argentina.

14:00-14:30: **Buffalo meat quality, processing, and marketing: Harnessing its benefits and nutraceutical potential. Dr. Sebastiana Failla,** CREA-Council for research in agriculture and agricultural economics, Italy.

14:30-15:00: **Exploring the buffalo whey: a look at nanotechnology in search of strategies for the modern nutraceutical industry. Dr. Franco Vasile,** National University of Chaco Austral (UNCAUS), Argentina.

15:00-15:30: Q&A Session. Panel Discussion

15:30-16:00: **POSTER SESSION 7 and 8. Coffee break**

SECTION 8	**Sustainability & Socioeconomics** Moderator: Dr. Antonella Chiariotti Room: Manzanares I

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Invited Lectures

16:00–16:30: Precision Livestock Farming in buffalo species: a sustainable approach for the future. **Prof. Dr. Gianluca Neglia,** Federico II University, Italy.

16:30–17:00: Precision livestock under the tropical perspective: Straightforward steps to face climate change. **Eng. Andrés Felipe Pérez Rojo,** Hacienda Cuba, Technical Directorate ASOBÚFALOS, Colombia.

17:00–17:30: Sustainability and livestock: a doable combination. **Dr. Antonella Chiariotti,** CREA-Council for Research in Agriculture and Agricultural Economics, Italy.

17:30–18:00: Q&A Session. Panel Discussion

19:00–23:00: **GALA DINNER**

FRIDAY 24th 2023

8:00–10:00	Short Oral Communications (1st Round: in presence)	
	SECTION 1, 2, 3, AND 4 Room: Manzanares I	SECTION 5, 6, 7, AND 8 Room Manzanares II
8:00–8:10	**Productive performance of buffaloes *(Bubalus bubalis)* in two production systems and two slaughter weights** (Abstract 193). **Dr. Luis Alberto de la Cruz Cruz,** Universidad Autónoma Metropolitana (UAM), Unidad Xochimilco, Mexico.	**Poly(ADP-ribose) (PAR) levels in Peripheral Blood Mononuclear Cells (PBMC) during peri-implantation and early pregnancy in buffalo cows** (Abstract 164). **Dr. Vittoria Barile,** CREA-Council for research in agriculture and agricultural economics, Italy.
8:10–8:20	**Evaluation of the impact of the environment on the genetic improvement of the buffalo species** (Abstract 143). **Eng. Rafael Rincón,** Hacienda Miraflores, CRIABUFALOS, Venezuela.	**Oocyte yield of nulliparous and pluriparous buffaloes submitted to synchronization prior to follicular aspiration** (Abstract 248). **Associate Professor Claudio Coutinho Bartolomeu,** Federal Rural University of Pernambuco, Brazil.
8:20–8:30	**Growth performance and gut health of Murrah buffalo calves fed with developed novel synbiotic formulation** (Abstract 169). **Dr. Sachin Kumar,** National Dairy Research Institute, Karnal, India.	**How do consumers evaluate the buffalo meat?** (Abstract 214). **Prof. Ricardo Pessoa,** Federal Rural University of Pernambuco, Brazil.

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8:30–8:40	**Influence of type traits on stayability in the Italian Mediterranean buffalo** (Abstract 246). **Damiano Altieri, Dept.** Veterinary Medicine and Animal Production-Federico II University of Naples, Italy	**Comparison of sialic acid content in bovine and buffalo milk and meat** (Abstract 137). **Dr. Sebastiana Failla,** CREA-Council for Research in Agriculture and Agricultural Economics, Italy.
8:40–8:50	**Buffalo genetic improvement program in Venezuela** (Abstract 138). **Prof. Dr. José Atilio Aranguren,** University of Zulia, College of Veterinary Medicine, Venezuela.	**Meat characteristics of buffaloes *(Bubalus bubalis)* in two production systems and two slaughter weights** (Abstract 191). **Dr. Luis Alberto de la Cruz Cruz,** Metropolitan Autonomous University (UAM), Xochimilco Unit, Mexico.
8:50–9:00	**Evaluation of Genetic Trend in Milk Production of Buffalo Cattle in Colombia** (Abstract 203). **Zoot Divier Antonio Agudelo Gómez,** University CES, Colombia.	**Buffalo whey proteins performance at the oil/water interface: rheology characterization of the interfacial films** (Abstract 202). **Dr. Franco Vasile,** National University of Chaco Austral (UNCAUS), Argentina.
9:00–9:10	**Relationship between body volume and rib eye area in Colombian water buffaloes** (Abstract 207). **Pineda-Sierra,** Colombian Agricultural Research Corporation, Colombia.	**Performance of the Illumina GGP Bovine 100K SNP array for buffalo populations genotyping in Colombia** (Abstract 185). **Dr. William Burgos-Paz,** Colombian Agricultural Research Corporation-AGROSAVIA, Colombia.
9:10–9:20	**Morphological evaluations in buffaloes *(Bubalus bubalis)* in Venezuela** (Abstract 223). **DVM Luis Alfredo Pacheco,** CIVIA, S.A.	**Methodological aspects in gastroenteric methane evaluation trial in water buffalo** (Abstract 118). **Dr. Antonella Chiariotti,** CREA-Council for Research in Agriculture and Agricultural Economics, Italy.
9:20–9:30	**Genital leptospirosis in female Bubalus bubalis: a transcendental approach to improve productivity** (Abstract 171). **DVM, MS Rosaura Pérez Gil,** RPG Veterinary Diagnostic Center, Venezuela.	**The carbon footprint of pasture-based buffalo milk production in Colombia** (Abstract 177). **Zoo.t, MS. Felipe Vélez,** University CES, Faculty of Veterinary Medicine and Zootechnics, Colombia.
9:30–9:40	**Gastrointestinal parasites in buffalo calves in a farming context in Colon County, Zulia state, Venezuela** (Abstract 183). **Eng. María Verónica Rodríguez Gutiérrez,** National Experimental University Sur del Lago (UNESUR), Venezuela.	**Productivity and socioeconomic sustainability of Bubalus bubalis in the western lowlands of Venezuela** (Abstract 142). **MBA. Carlos Alberto Calles Navas,** José Félix Rivas Territorial Polytechnic University, Venezuela.

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9:40–9:50	**Risk factors for Toxoplasma gondii seropositivity in buffaloes in a Mediterranean area** (Abstract 134). **Dra. Giovanna Cappelli,** Experimental Zooprophylactic Institute of Southern Italy, Italy.	**Metagenomic analysis post thermal stress in buffalo sludge and tomato pomace anaerobic digestion: a case study** (Abstract 194). **Dr. Antonella Chiariotti,** CREA-Council for Research in Agriculture and Agricultural Economics, Italy.
9:50–10:00	**Bubaludicus: games and playfulness for the buffalo promotion** (Abstract 245). **Prof. Ricardo Pessoa,** Federal Rural University of Pernambuco, Brazil	**Pregnancy rate following an estradiol-free fixed-TAI protocol during breeding and non-breeding season in water buffaloes.** (Abstract 104). **Dr. Adriana Camacho de Gutiérrez,** BIOTERVET, VENEZUELA

10:00–10:30: Coffee break

10:30–11:30: IBF Assembly (Room Manzanares)

FORUMS

HORA: 11:30–12:30

Scientists & Academicians Moderator: Dr. Juan C. Gutiérrez Room: Río Limón	**Creation of a global scientific network on buffalo: expanding research horizons.** Dr. Juan C. Gutiérrez, University of Zulia, Venezuela Dr. Antonella Chiariotti, CREA, Italia. Dr. Naresh Selokar, ICAR, India. Dr. Pietro Baruselli, USP, Brazil. Dr. Gianluca Neglia, Federico II University, Italia Dr. Pencho Penchev, Agricultural Institute - Shumen, Bulgaria Prof. Dr. Bhuminand Devkota, Agriculture and Forestry University
Breeders & Associations Moderator: MBA. Nicola Fabbozzo Room: Río Ocamo II, III	**The power of Collaboration: Breeders and Associations in Perfect Alliance.** Nicola Fabbozzo, CRIABUFALOS, Venezuela Claudia Roldán, ASOBUFALOS, Colombia Luis Quiles-Skorc, ASOCRIABUF, Bolivia Joao Gaspar, ABCB, Brasil Richard Moss, APACRIBU, Paraguay Ismael Coronel, AMEXBU, México Jorge Luis Ayala Filigrana, CRIABUFALOS MX, México Di Vuolo, CIPAB, ANASB, Italia
Professionals & Entrepreneurs Moderator: Dr. Alba L. Suárez Room: Río Ocamo I	**Connecting Buffalo Professionals and Entrepreneurs to Empower Success.** ADD&TECH LABORATORIO RPG BIOSUR

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12:30-14:00: Lunch

Closing Ceremony and Farewell

14:00-16:00: Competitions Results: Poster Prize. Personalities Recognitions. IBF Announcements. Presentation of 14th WBC 2026

16:00-17:00: Coffee break. Farewell Toast

17:00-18:30: Farewell Concert

19:00-23:00: **BUFFALO COMPETITION RESULTS AND BUFFALO AUCTION**

November 25-28, Buffalo Tour

November 29, Buffalo Beach (Full day on the Beach)

VISITA NUESTRA PÁGINA WEB

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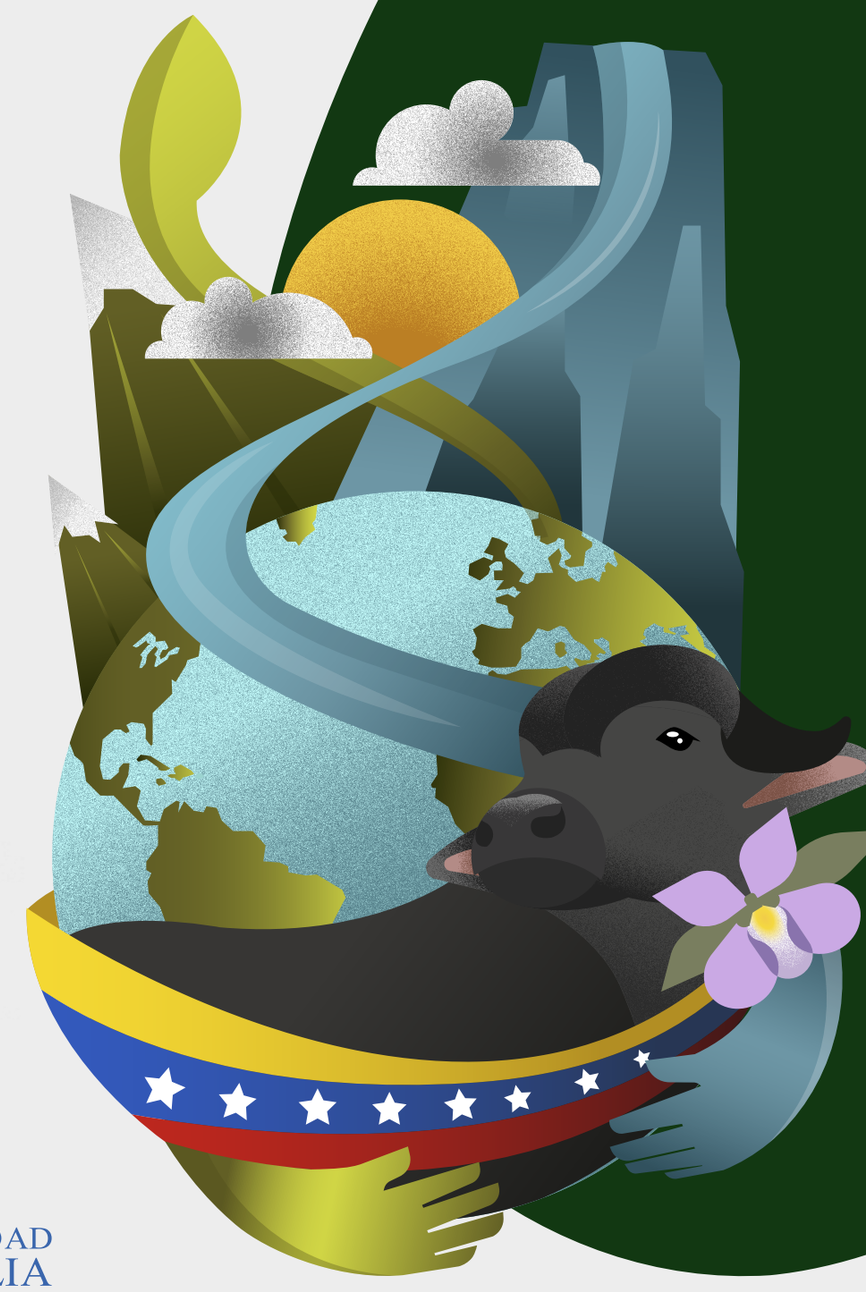

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