



5th

**IBF TRAINING COURSE ON BUFFALO
MANAGEMENT AND INDUSTRY
(9-19 May 2023)**



**INTERNATIONAL
BUFFALO
FEDERATION**
Monterotondo,
Roma, Italy

THURSDAY, MAY 9

09.30	Bus transfer form Life Sport Hotel Mentana to CREA
10.00	Registration of Participants
10.30- 10.45	Welcome address by the Director of the Centre <i>Dr Salvatore Claps</i>
10.45-11.15	Presentation of the Centre for Animal Production and Aquaculture of the Council for Agricultural Research and Economics (CREA) <i>Dr Vittoria Lucia Barile</i>
11.15-11.30	Course presentation <i>Prof Antonio Borghese</i>
11.30-12.00	Buffalo Livestock and Products in the World <i>Prof Antonio Borghese</i>
12.00-13.00	Visit the CREA laboratories
13.30-15.00	Welcome lunch at the <i>Research Centre for Animal Production and Aquaculture</i>
15.00-17.00	Visit the CREA experimental farm

WEDNESDAY, MAY 10

9.00	Bus transfer to CREA
9.30-10.00	Buffalo: The Italian experience <i>Dr Vittoria Lucia Barile</i>
10.00-10.30	Buffalo: a tool for sustainability <i>Dr Antonella Chiariotti</i>
10.30-11.00	The Italian model of multifunctionality and diversification. A case study in buffalo farm <i>Dr Angela Galasso</i>

11.00-11.15	Coffee Break
11.15-11.45	Immunological research on buffalo at CREA <i>Dr Giovanna De Matteis</i>
11.45-12.15	Buffalo precision farming at CREA <i>Dr David Meo Zilio</i>
12.15-13.15	Buffalo meat quality, processing and traceability <i>Dr Sebastiana Failla - Dr Michela Contò</i>
13.30	Lunch at the CREA
14.30-15.30	Buffalo milk quality and cheese processing <i>Dr Carmela Tripaldi - Dr Giuliano Palocci</i>
16.00-18.00	Visit Giancarlo D'Angelo's farm and cheese industry

THURSDAY, MAY 11

8.30	Bus transfer to Rome
10.00-10.15	Visit the Italian Breeder Association (AIA) <i>Welcome by the Director Prof Riccardo Negrini</i>
10.15-11.00	Performance recording in Mediterranean buffalo: results and trends <i>Dr Mario Fioretti</i>
11.00-11.45	Breeder experience
11.45-12.45	Carbon neutrality in the buffalo farming <i>Dr Edmundo Castro</i>
13.00-14.00	Lunch
14.00-18.00	Free time in Rome
18.00	Back to the Hotel

FRIDAY, MAY 12

8.00	Bus Transfer to the Chiacchierini Centre, Civitella D'Arna (Perugia)
10.30-11.00	Chiacchierini Bull Centre introduction, genetic buffalo program, genetic resource banking and semen preservation <i>Dr Giorgio Colagrande, Dr Anna Chiacchierini</i>
11.00-11.30	Official Veterinary control procedures adopted in a Buffalo Bull Center <i>Dr Vincenzo Caputo, Dr Giovanni Pezzotti</i>
11.30-12.00	Reproductive biotechnologies in buffalo under tropical conditions <i>Prof Juan Carlos Gutierrez</i>
12.00-12.30	Pregnancy Associated Glycoproteins (PAGs) in ruminants: their use as a tool for reproductive management <i>Prof Olimpia Barbato</i>
13.00	Lunch
Afternoon	Visit Assisi town and back to Monterotondo

SATURDAY, MAY 13

9.00	Bus transfer to Rome
10.00-13.00	Presentation of CAMPAGNA AMICA Market- Circo Massimo (Rome) from the Director <i>Dr Carmelo Troccoli</i>
13.00	Lunch
Afternoon	Free time in Rome

SUNDAY, MAY 14

FREE DAY

ANCIENT ROMA TOUR

DR. ENZA BROCCOLI, ARCHEOLOGIST GUIDE

(On request)

MONDAY, MAY 15

8.00	Hotel check out – Bus transfer to Latina
10.30-12.00	Visit Carmen Iemma farm <i>Dr Carmen Iemma</i>
12.30-13.30	Lunch on the farm
15.00-17.00	Visit Casabianca Farm and Industry <i>Dr Francesco D'Ausilio</i> Transfer to Capua (Caserta) and hotel check-in Agriturismo "La Colombaia"

TUESDAY, MAY 16

8.00	Bus transfer to "Fattorie Garofalo" in Capua (Caserta)
8.30-12.00	Visit of the mechanized Cheese Industry <i>Dr R. Avosso</i> Shows of products from Buffalo farms: Mozzarella di bufala campana, burrata, mascarpone and Buffalo meat <i>Dr Raffaele Garofalo, Dr R. Avosso</i> Importance of Italian Mediterranean Buffalo on "Mozzarella di bufala campana DOP" <i>Dr Raffaele Garofalo</i> Integrate System of management and improvement by control Data Farms (AgroBI - Agriculture Business Intelligence) - <i>Dr R. Napolano, Dr P. Ciompi</i> Visit of laboratory Milk Quality Control and Service of Buffalo Farms <i>Dr A. De Rosa, Dr P. Ciompi</i>
12.30-14.30	Lunch in Capua and visit of Capua Amphitheatre
15.30-17.00	Visit to "Fattoria Arianuova" in Pignataro Maggiore (Caserta)- An example of high level Animal Welfare and

17.15-18.15	<p>Organic certificated Buffalo farm <i>Dr Raffaele Garofalo, Dr R. Napolano</i></p> <p>Visit to Cesare Giulio Iemma Farm in Pastorano (Caserta) in collaboration with RIS Bufala</p>
WEDNESDAY, MAY 17	
8.00	Hotel check-out and bus transfer to Salerno
9.30-13.00	Improsta farm
9.30	<p>Welcome <i>Dr Luca Sgroia (President)</i></p>
9.45-10.15	<p>Nutrition and feeding technologies in buffalo <i>Prof Federico Infascelli -University of Naples</i></p>
10.15-10.30	<p>New insight into the nutraceutical properties of buffalo milk and dairy products <i>Prof Angela Salzano- University of Naples</i></p>
10.30-11.00	<p>Big Project: genomic indexes in the BMI <i>Dr Mayra Gomez Carpio- ANASB</i></p>
11.00-11.30	<p>Presentation of Consorzio Tutela Mozzarella di Bufala Campana DOP <i>Dr Domenico Raimondo (President of Consorzio)</i></p>
11.30-12.30	<p>A practical approach to “Pasta filata” cheese production: theoretical notions <i>Dr Angelo Citro</i></p>
12.30-13.30	<p>A practical approach to “Pasta filata” cheese production practical examples <i>Dr Angelo Citro</i></p>
13.30-15	Lunch
15.30	Visit Improsta Farm
17.30	Visit Paestum archaeological site (on request)

	Transfer to Agriturismo Seliano and dinner
THURSDAY, MAY 18	
8.00	Hotel check out
9.00-12.00	Visit the Vannulo Farm (Paestum, Salerno) in collaboration with ANASB - <i>National Association of Buffalo Breeders</i> Activity of ANASB <i>Dr Nicola Palmieri (President of the ANASB)</i>
12.00-13.00	Lunch in Vannulo Farm with typical quality products of the farm
13.00-15.00	Transfer to Naples
15.15-16.00	Presentation of the Animal Prophylaxis Research Institute in Naples <i>Director Dr Antonio Limone, Dr Esterina De Carlo</i>
16.00-16.30	Classy farm Italian system to define welfare risk <i>Dr Domenico Vecchio</i>
16.30-17.00	Tuberculosis diagnosis and validated methods in buffalo <i>Dr Alessandra Martuccello</i>
17.00-17.30	Italian traceability system for milk and processed products <i>Dr Giovanna Cappelli</i>
17.30-18.30	Visit the IZS laboratory
18.00	Transfer to the Miglio D'oro Parkhotel in Ercolano (Naples)
FRIDAY, May 19	
8.30	Hotel check out
9.00-13.00	Presentation of CNR-ISPAAM, Portici, Naples <i>Dr Andrea Scaloni (Director)</i>

9.00-10.00	Proteomic analysis of buffalo biological tissues and body fluids <i>Dr Andrea Scaloni</i>
10.00-11.00	The cytogenetics of the water buffalo: evolutionary, clinical and molecular aspects <i>Prof. Leopoldo Iannuzzi</i>
11.00-11.15	Coffee break
11.15-11.45	Animal well-being and physiological response to stress <i>Dr Stefania Spagnuolo</i>
11.45-12.00	Discussion
12.00-13.00	Short visit to the CNR-ISPAAM laboratories
13.00-14.30	Lunch
14.30	Transfer to hotel in Monterotondo (Rome)
17.30	Pick up at the hotel and transfer to CREA
18.00-20.00	Conclusion of course and diploma to the participants at Centre for Animal Production and Aquaculture <i>Prof Antonio Borghese and Researchers of the Centre</i>
20.00	Farewell dinner at CREA
22.00	Transfer to the Green Palace Hotel in Monterotondo

LIST OF TEACHERS

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Legend

AIA	Associazione Italiana Allevatori (Italian Breeder association)
ARB	Agriculture Rural Brokers s.a.s.
ANASB	Associazione Nazionale Specie Bufalina (Italian buffalo breeders association)
COLDIRETTI	Associazione Coltivatori Diretti
CREA	CREA Research Center for Animal Production and Aquaculture, Monterotondo Unit, Rome
CTMBC	Consorzio Tutela Mozzarella di Bufala Campana
IZS-M	Istituto Zooprofilattico Sperimentale del Mezzogiorno (Animal Prophylaxis Research Institute)
IZS-UM	Istituto Zooprofilattico Sperimentale dell'Umbria e delle Marche (Animal Prophylaxis Research Institute)

IBF	International Buffalo Federation
ISPAAM-CNR	Institute for Animal Production Systems in Mediterranean Environment - National Research Council
RIS BUFALA	Ricerca Innovazione Selezione
UNINA	University of Naples (Italy)
UNIPG	University of Perugia (Italy)
UNI Zulia	University of Zulia (Venezuela)
CTC	Centro Tori Chiacchierini

Coordinator

Prof Antonio Borghese,
IBF General Secretary

Scientific Committee

Antonio Borghese
Vittoria Lucia Barile
Antonella Chiariotti
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Organizing Committee

Vittoria Lucia Barile (President)
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In collaboration with

