



4th

**IBF TRAINING COURSE ON BUFFALO
MANAGEMENT AND INDUSTRY
(7-17 may 2019)**



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

THURSDAY, MAY 7

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| 9.00-12.00 | Arrival of participants Accommodation in Hotel |
| 12.30 | Pick up at the hotel |
| 13.00-15.00 | Welcome lunch at the <i>Research Centre for Animal Production and Aquaculture</i> , venue of Monterotondo |
| 15.00-15.15 | Welcome address by the Director of the Centre <i>Dr L. Buttazzoni</i> |
| 15.15-15.30 | Course presentation <i>Prof A. Borghese</i> |
| 15.30-16.30 | Buffalo Livestock and Products in the World <i>Prof A. Borghese</i> |
| 16.30-17.00 | Presentation of the Centre for Animal Production and Aquaculture of the Council for Agricultural Research and Economics (CREA) <i>Dr V.L. Barile</i> |
| 17.00-19.00 | Visit at the laboratories and the experimental farm in Monterotondo |
| 19.00 | Transfer to the hotel and dinner |

WEDNESDAY, MAY 8

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| 8.30 | Pick up at the hotel |
| 9.00-9.40 | Buffalo genetic improvement in Italy and molecular research at CREA <i>Dr G. Catillo</i> |
| 9.40-10.20 | Immunology <i>Dr G. De Matteis</i> |
| 10.20-11.00 | Breeding value. Genetic gain. Optimum breeding plan <i>Prof T. Peeva</i> |
| 11.00-11.15 | Discussion |
| 11.15-11.30 | Coffee Break |
| 11.30-12.10 | Buffalo meat <i>Dr S. Failla</i> |
| 12.10-13.20 | Use of agricultural waste to produce biogas and green energy and visit to the pilot plant <i>Dr A. Chiariotti</i> |
| 13.30-14.30 | Lunch at the CREA |
| 14.30-15.20 | Estrous control and Artificial Insemination <i>Dr V.L. Barile</i> |
| 15.20-16.10 | Ultrasound techniques for research application <i>Dr G.M. Terzano</i> |
| 16.10-16.20 | Discussion |
| 16.20-16.30 | Coffee break |
| 16.30-17.00 | Milk and cheese production <i>Dr C. Tripaldi</i> |
| 17.30-19.00 | Visit of Giancarlo D'Angelo farm and cheese industry |
| 19.00 | Transfer to the hotel and dinner |

THURSDAY, MAY 9

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| 8.00 | Bus transfer to IZS, Rome |
| 9.30-9.45 | Welcome by the Director of the <i>Animal Prophylaxis Research Institute in Rome</i> <i>Dr Ugo Della Marta</i> |
| 9.45-10.45 | Prophylaxis for brucellosis and tuberculosis in Buffalo <i>Dr G. Saralli, Dr M. Sala</i> |
| 10.45-11.00 | Coffee break |
| 11.00-11.40 | Bulk tank milk quality <i>Dr G. Giangolini</i> |
| 11.40-12.20 | Influence of somatic cells on milk technical quality in dairy buffalo <i>Dr G. Giacinti, Dr D. Sagrafoli</i> |
| 12.20-13.00 | The milkability and its influence on milk quality and economic aspects <i>Dr C. Boselli</i> |
| 13.00-14.00 | Lunch |
| 14.00-16.00 | Visit to the laboratories |
| 17.00 | Transfer to the hotel and dinner |
| FRIDAY, MAY 10 | |
| 8.00 | Transfer to the Chiacchierini Centre, Civitella D'Arna (Perugia) |
| 10-11.30 | Presentation of the <i>Chiacchierini Bull Centre</i> and the genetic buffalo program <i>Dr G. Colagrande, Dr A. Chiacchierini</i> |
| 11.30-12.30 | Distinctive technical and economic aspects of Italian Buffalo production <i>A. Rosati</i> |

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| 12.30-12.45 | Discussion |
| 12.45-14.00 | Lunch |
| afternoon | Visit to Assisi town and back to Monterotondo |
| SATURDAY, MAY 11 | |
| 8.00 | Bus transfer to ROME |
| 9.00-13.00 | Presentation of CAMPAGNA AMICA Market-Circo Massimo (Rome) from the Director <i>Dr C. Troccoli</i> |
| 13.00 | Lunch |
| Afternoon | Free time in Rome |
| 19.00 | Transfer to the hotel in Monterotondo and dinner |
| SUNDAY, MAY 12 | |
| FREE DAY | |
| <p>ANCIENT ROMA TOUR: <i>PALATINUS AND THE ROMAN FORUM</i> with an archeologist guide (English language) (ON REQUEST)</p> | |
| MONDAY, MAY 13 | |

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| 8.00-9.00 | Hotel check out and bus transfer to Rome |
| 9.00-9.15 | visit to the Italian Breeder Association (AIA) |
| 9.30-10.30 | Performance recording and genetic selection of Mediterranean buffalo in Italy <i>Prof R. Negrini</i> |
| 10.30-10.45 | Coffee break |
| 10.45-11.45 | Importance of DNA test in buffalo breeding. <i>Dr R. Mazza</i> |
| 11.45-12.15 | Discussion |
| 12.15-14.00 | Lunch |
| 14.00-16.00 | Transfer to Latina |
| 16.00-19.00 | Tour in Casabianca farm and industry <i>Dr F. D'Ausilio</i> |
| 19.00-20.00 | Dinner |
| 20.00 | Transfer to Capua and hotel check in |

TUESDAY, MAY 14

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| 7.30 | Hotel pick up |
| 8.30-11.00 | Visit of Fattorie Garofalo Buffalo Farm (Fattoria Reale del Torcino), Ciorlano (Caserta). <i>Dr G. Garofalo</i> |
| 12.00-13.00 | Visit of Buffalo Beef Centre in S. Angelo in Formis (Caserta) |
| 13.00-14.00 | Lunch |
| 14.00-17.00 | Visit of Fattorie Garofalo and of mechanized Cheese Industry (Casaro del Re) in Capua (Caserta). <i>Avv. R. Garofalo</i> |

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| | Transfer to the hotel in Capua and dinner |
| WEDNESDAY, MAY 15 | |
| 8.00-12.00 | Hotel check out Visit of Royal silk industry San Leucio (Caserta) |
| 12.00-14.00 | Lunch and transfer to Paestum, Salerno |
| 14.00-19.00 | Visit to Improsta farm in collaboration with the Department of Veterinary Medicine- University of Naples Practical approach to “Pasta filata” cheese production <i>Dr A. Citro</i> |
| | Nutrition and feeding technologies in buffalo <i>Prof F. Infascelli</i> |
| | Bubalus bubalis evolution in the world <i>Prof L. Zicarelli</i> |
| 20.00 | Transfer to Agriturismo Seliano |
| THURDAY, MAY 16 | |
| 8.00 | Hotel check out |
| 8.30-11.00 | Presentation of the Vannulo Farm (Paestum, Salerno) <i>Dr N. Palmieri (President of the ANASB -National Association of Buffalo Breeders)</i> |
| 11.00-13.00 | Transfer to Naples |
| 13.00-14.00 | Lunch |
| 14.00-14.15 | Presentation of the Animal Prophylaxis Research Institute in Naples <i>Director Dr Antonio Limone, Dr E. De Carlo</i> |

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| 14.15-15.00 | Classyfarm Italian system to define welfare risk <i>Dr D. Vecchio</i> |
| 15.00-15.45 | Tuberculosis diagnosis and validated methods in buffalo <i>Dr A. Martuccello</i> |
| 15.45-16.30 | Italian traceability system for milk and processed products <i>Dr G. Cappelli</i> |
| 16.30-16.45 | <i>Discussion</i> |
| 16.45-17.00 | <i>Coffe break</i> |
| 17.00-18.30 | Visit to the IZS' laboratory |
| 18.30 | Transfer to the hotel in Naples |

FRIDAY, May 17

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| 8.30 | Hotel check out |
| 9.00-13.00 | Presentation of CNR-ISPAAM from <i>Dr A. Scaloni, Prof L. Iannuzzi</i> |
| 9.00-10.00 | Proteomic approaches for the evaluation of buffalo dairy products <i>Dr A. Scaloni, Dr S. Arena, Dr A.M. Salzano, Dr S. Caira</i> |
| 10.00-11.00 | The contribution of the cytogenetics in the genetic improvement of the water buffalo (<i>Bubalus bubalis</i>, 2n=50): clinical, evolutionary, molecular and environmental aspects <i>Prof L. Iannuzzi, Dr A. Iannuzzi, Dr V. Genualdo</i> |
| 11.00-11.15 | Coffee break |
| 11.15-11.45 | Environmental impact of the nitrogen in the Italian Mediterranean buffalo breeding: influence of nutrition <i>Dr F. Sarubbi</i> |

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| 11.45-12.15 | Discussion |
| 12.15-13.00 | Short visit of the CNR-ISPAAM laboratories |
| 13.00-14.30 | Lunch |
| 14.30-17.00 | Transfer to hotel in Monterotondo (Rome) On the bus, <i>Prof Borghese</i> will promote a discussion on the problems and goals of Buffalo industry in different countries and quality of products and global market. |
| 18.00-20.00 | Conclusion of course and diploma to the participants at <i>Centre for Animal Production and Aquaculture</i> <i>Prof Antonio Borghese and Researchers of the Centre</i> |
| 20.00 | Farewell dinner at CREA |
| 22.00 | Transfer to the Hotel in Monterotondo |

Coordinator

Prof Antonio Borghese,
IBF General Secretary

Scientific Committee

Antonio Borghese
Vittoria Lucia Barile
Antonella Chiariotti
Leopoldo Iannuzzi
Federico Infascelli
Tzonka Peeva
Esterina De Carlo

Organizing Committee

Vittoria Lucia Barile
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