

PERSONAL INFORMATION	Domenico Vecchio
	   [REDACTED]  [REDACTED] Sex: Male Date of birth: [REDACTED] Nationality : Italian
	Profession: Veterinary Surgeon. Registered at the Veterinary Surgeons Association of the Province of Salerno n°635 since 18/05/2005.
	Official H index: h index= 18 (from Scopus/Author name: Vecchio D./Author ID 16235417000)
	Document in scopus: 69
	Citation in scopus: 916 in 486 document
	Co-authors: 161

WORK EXPERIENCE

17/06/2020 Full-time and permanent veterinary manager at the Istituto Zooprofilattico Sperimentale del Mezzogiorno - National reference center on hygiene and technologies of breeding and buffalo production (CReNBuf) Section of Salerno, with Resolution of the General Director n. 780 of 17/06/2020
Duration : from 01/07/2020 to date

27/03/2019 National trainer of veterinary trainers for the evaluation of animal welfare and biosecurity for the buffalo species with the classyfarm system.
Duration: to date

27/03/2019 Trainer of veterinarians for use of the check list of welfare and biosecurity in ruminants. Duration: to date

22/12/2018 Member of the technical board for the drafting of guidelines on the correct use of the antibiotic in buffalo breeding. Duration: to date

16/02/2018 Appointment of member of the commission in charge of animal welfare as biosafety expert. Duration: to date

22/12/2017 Temporary full-time Veterinarian Manager at the “Istituto Zooprofilattico Sperimentale del Mezzogiorno” – Italian National Reference Centre on Water Buffalo Farming and Productions Hygiene and Technologies (CReNBuf) Section of Salerno, under General Director's Resolution n .976 of 22/12/2017.

From 01/01/2018 duration 12 months. Extended with decision of the Director General n.69 of 14/01/1999.duration 12 months. Duration 30 months

10/06/2015 Evaluator for Assessment of Welfare and Biosecurity in Dairy cattle in loose housing systems. Attestation issued by IZSLER Brescia. Duration: To date

03/03/2015 to date Component of Technical committee as Expert of Buffalo's Specie for the Ruminant Welfare Project for the "Development and Management of Welfare and Biosafety Assessment Systems in the Different Types of Breeding of Cattle, Buffalo, goat and sheep ". CUP: E52I1400190001, of which the Scientific Director is Dr. Luigi Bertocchi of the IZSLER as head unit.

04/01/2015 Coordinated Collaboration in Project as Senior Expert -Action 2 and 3- at Research Institute of the South as part of the Program for Biosafety of buffalo companies approved by Executive Decree 603 of 11/03 / 2014- Department of Health and Natural Resources - Campania Region, following the decision of Commissioner no. 33 of 25/03/2015 from 01/04/2015 to 31/03/2016, extended by Commissioner no. 294/2016, protocol 0002558 23/03/2016 until 31/12/2016 and subsequently extended with appointed commissioner n .1311 / 2016 of 16/11/2016 protocol 0009624 of 21/11/2016.
Duration 23 months.

01/04/2014 Coordinated Collaboration in Project as Senior Expert -Action 2 and 3- at Research Institute of the South as part of the Program for Biosafety of buffalo companies approved by Executive Decree 603 of 11/03 / 2014- Department of Health and Natural Resources - Campania Region, following the decision of Commissioner no. 25 of 04/03/2014 from 01/04/2014 to 31/03/2015
Duration 12 months.

18/07/2013 post Doctoral position at Departamento de reprodução Animal da Faculdade de Medicina Veterinária e Zootecnia da Universidade de São Paulo Brasil. Project “Technique to Improve Reproduction and Production efficiency in Buffalo”. Tutor Prof. Pietro Sampaio Baruselli.
Duration 5 months

18/07/2013 Research grant fellowship for carrying out research activities, including projects of excellence between Universities - Research Centers - Businesses, POR Campania FSE 2007/2013, Axis IV and V - Project CARINA CUP B25B09000080007.
Duration 5 months

01/06/2012 Participate as a researcher at the work package 1 (Recovering and enhancing TGA Agerolese cattle) Scientific Adviser Gasparrini Bianca of the Project: PSR Campania 2007-2013 Measure 214 Progetto Autoctono Razetti at Risk of Extinction of the Campania Region (RARECA) Project Scientist Responsible : Prof. Vincenzo Peretti.

01/05/2012 Research grant fellowship at **University of Studies of Naples “Federico II”**, Faculty of Veterinary Medicine, Department of “Scienze Zootecniche e Ispezione degli Alimenti sezione Beniamino Ferrara”
12 months

19/11/2010 Research grant fellowship at **University of Studies of Naples “Federico II”**, Faculty of Veterinary Medicine, Department of “Scienze Zootecniche e Ispezione degli Alimenti sezione Beniamino Ferrara Tecniche Innovative per il miglioramento dell’attività produttiva e riproduttiva della bufala”.
12 months

01/06/2008 Research grant fellowship at **University of Studies of Naples “Federico II”**, Faculty of Veterinary Medicine, Department of “Scienze Zootecniche e Ispezione degli Alimenti sezione Beniamino Ferrara area scientifico disciplinare 07-scienze agrarie e veterinarie, settore scientifico disciplinare AGR/19-Zootecnica speciale”. 24 months

05/07/2007-02/08/2007- Participation as PhD student to the project: “Cannulation of the buffalo oviduct” at the Instituto de Zootecnia of Vale do Ribeira Unidade de Pesquisa e Desenvolvimento de Registro / PRDSAVR/DDD/APTA/SAA/ Governo do Estado de São Paulo. In alliance with Prof. Pietro Sampaio Baruselli and Dr. Nelcio A.T. Carvalho Department of Animal Reproduction (VRA), Faculdade de Medicina Veterinária e Zootecnia da Universidade de São Paulo USP.

03-15/03/2007- Participation to the training period at the **University of São Paulo (Brazil)**, Faculty of Veterinary Medicine and Zootechnics Department of Animal Reproduction (VRA), about “Superovulation technique in buffaloes and zebuine species.

2007- Participation to the project “Ottimizzazione dell’efficienza IVEP in *Bubalus bubalis* da allevamenti della regione Campania” in partnership with Prof. Bondurant University of California and Prof. Drost, College of Veterinary Medicine University of Florida (USA).

2005-2006- Participation to the project “Produzione di embrioni mediante IVEP di *Bubalus bubalis* da allevamenti della regione Campania” in partnership with Prof. Bondurant University of California and Prof Drost College of Veterinary Medicine University of Florida (USA)

2006 - International Exchange Program of short period of teachers, researchers and students as boarder of the Department of Zoo technical Sciences and Inspection of the feeding section “B. Ferrara” at the **University of São Paulo (Brazil)**, faculty of Veterinary Medicine and Zootechniques Department of Animal Reproduction from **21/04/2006 to 19/05/2006** in the study of: “Caratterizzazione del liquido oviduttale durante la fase estrale nel bufalo e miglioramento dell’efficienza della produzione embrionale in vitro

mediante tecnica ovum pick-up e produzione di terreni di maturazione e fecondazione in vitro”.

under the supervision of Prof. Pietro Sampaio Baruselli.

2005-2006 Participation to the project of sustainable development in the field agro zoo technical organized by Italian society of tropical veterinaries and zoo technical for the international cooperation Veterinaries without Frontiers-Italy, Campania team SIV-tro VSF Italia Onlus “Improvement of the productive and reproductive characteristics of the Buffalo (Bubalus Bubalis) in Mozambique” together with the patronage and the financial contribute of the Peace Council Office, International Immigration Cooperation of the Province of Naples; Department of Sciences Zoo techniques and Inspection of the feeding of the University Federico II of Naples; INTERNATIONAL CENTRE CROCEVIA ONG; SIVEMP (Italian Syndicate Veterinary of Public Medicine – Toscana; Association National breeders Specie Bubaline.)

2005-2006 Participation to the activities of research WP 1.3.C of the regional centre Competence for the productions Agro-Alimentary Por Campania 2000-2006.

2005-2007 Participation to the project “BuffaloTec -Process of internationalization of productive systems of the bubaline spinneret of Campania: technique of improvement of the milk production and technological transfer in Brazil” Project co financed in the field of the agreement **MAP ICE CRUI**

2005-2006 Participation to the operative unit 1 Project of Research Found integrative FISR “Agro sustainable vegetable productions, innovations of breeding system and of plans of feeding in buffalo companies to improve the healthy status, the reproductive rhythm and the organoleptic qualities of the products”, LINE 1 zoo technical feeding, activity 3; LINEA 2 techniques of breeding and animal wealthy, activity one; LINEA 3 quality of the products and individuation and organization of the guide-lines and disciplinary of production for the certification of (filiera) for the buffalo companies, Activity one.

2005-2006 Didactics, subsidiary and integrative activity through the didactical assistance, exercitation, seminars in the branches of S.S.D. AGR 19(course “Bovine breeding” degree course “Technologies of Animal Productions and feeding safety , Faculty of Veterinary Medicine University of the Studies of Naples “ Federico II ”) course “Special zoo technique” degree course in Veterinary Medicine, Faculty of Veterinary Medicine University of the Studies of Naples “ Federico II ”

2004-2005 Didactics, subsidiary and integrative activity through the didactical assistance, exercitation, seminars in the branches of S.S.D. AGR 19 (course “Bovine Breeding” degree course “Technologies of Animal Productions and feeding safety , Faculty of Veterinary Medicine University of the Studies of Naples “ Federico II ”)

2004-Teacher of the Course “Informatics Technologies in the management of the zootechnical farm” Part of the Course of Education Technologies of the Information and Communication. Project of Campania Region for the "Promotion of the Development of the Society of Information through the reinforcement of human potential, the development of the company activity and the improvement of the competition between the companies. Promotion of internazionalization" Misura 6,4 del P.O.R. Campania 2000-2006 Decision UE C2000 n. 2347 dell'08/08/2000. Delibera della Giunta Regionale n. 4421 del 18.08.2000

2003-2006-From 1 December 2003 - today is involved in practical theoretical training at the agricultural biological farm “Vannulo” in Capaccio (SA) under the supervision of Dr. Carlo Grassi.

2003-Collaboration (part-time) of 150 hours at the University of the Studies of Naples “Federico II”, Faculty of Veterinary Medicine, Department of Pathology and Animal healthy, Section Contagious Disease.

2003- Boarder of the Department of Zootechnical Sciences and Inspection of the feeding section “B. Ferrara” about :“Determining of the qualitative quantitative peculiarities of the Oviductal fluid of buffalo through the employment of the bi-dimensional electrophoresis with gel of agarosio SDS-PAGE”

2002- International Exchange Program of short period of teachers, researchers and students as boarder of the Department of Zoo technical Sciences and Inspection of the feeding section “B. Ferrara” at the **University of São Paulo (Brazil)**, faculty of Veterinary Medicine **and Zootechniques** Department of Animal Reproduction from **24/06 to 06/08** in the study of :“Influence of energetic balance on the ovary activity and the quality of oocytes resumed through the techniques of Pick -up in Buffalo of Murrah species” under the supervision of Prof. Pietro Sampaio Baruselli

2001-2002 Practical training period pre-degree in Veterinary Medicine/science as inscribed in the schedule of the R.D. 30 September 1938, n.1652, at the following structures:

- ASL NA1 from 03/09/2001 to 15/10/2001
- Experimental Zoo prophylactic Institute of the South of Italy Section of Portici from 16/10/2001 to 29/11/2001
- University of Studies of Naples “Federico II** , Medicine faculty of Veterinary Medicine, Department of veterinary clinic sciences, section veterinary obstetric clinic from 30/11/2001 to 14/01/2002;
- University of Studies of Naples “Federico II** , Medicine faculty of Veterinary Medicine, Department of zoo technical sciences and inspection of the feeding section “B. Ferrara” from 15/01/2002 to 28/02/2002

2001-Report of the protocol of lactation-weaning and techniques of stalling used for calf buffalo from 0 to 6 months adopted in a breeding from Salerno. (workshop during the Course of Production Conservation and Estimation of Zootechnical feeding”).

2000-2001- Boarder of the Department of Zootechnical Sciences and Inspection of feeding section “B. Ferrara” about: “Technologies used for the survey of heat and instrumental Insemination in the Buffalo species”.

2000-Boarder of the Department of Zootechnical Sciences and Inspection of feeding section “B. Ferrara” about: “Use of the wax of maize in rationing of buffalo in lactation: effects of production and quality of milk”

1999-Boarder of the Department of Zootechnical Sciences and Inspection of feeding section “B. Ferrara” about:“ Influence of feeding used in rationing, on quali-quantitative peculiarities of buffalo milk and on the cheese making result”.

**Research projects
presented
as Principal Investigator**

13/09/2018	Call Ricerca Corrente IZS ME 8/18 RC Project title “Study of animal welfare and sustainability of the dairy buffalo production chain through a multidisciplinary approach” CUP C75B18000630001. Financed by Ministry of Health €100.800,00 start of activity 28/12/2018, duration 24 months.
21/05/18	Call Ricerca Finalizzata 2018 esercizio finanziario anni 2016-2017 RF-2018-12368378 project title: “Omics technologies in risk assessment and management during transition period to improve animal welfare in intensive farms of water buffalo and dairy cow.”
28/07/2016	Call Ricerca Finalizzata 2016 Ministero della Salute, Project Code: GR-2016-02365017 project title : “Omics technologies in risk assessment and management during transition period to improve animal welfare in intensive farm of water buffalo and dairy cow”. Exceeded preselection phase pending final evaluation
19/02/2013	Call Ricerca Finalizzata 2011-2012 Ministero della Salute, Project Code: GR-2011-02351135 project title : “Animal breeding and functional food to improve human health”. Final score of 35.5 out of 45 (5 best score - 45 worst score) does not fall into the funding area
04/02/2013	Call for proposals "Future in Research 2013" MIUR, protocol RBFR130EU6 project title: “Improvement of bioactivity of milk from the stall: functional foods of animal origin and human health”. Final score of 7 out of 10 (1 worst score - 10 worst score) does not fall into the funding area
27/11/2011	Call Ricerca Finalizzata 2010 Ministero della Salute, Project Code: GR-2010-2306509 project title : “Animal breeding and functional food to

improve human health". final score of 13.5 / 36 (4 best score 36 score worst)
is not part of the funding area

EDUCATION AND TRAINING

From 10/01/2014 to date	Enabled as Associate Professor for the disciplinary sector 07 / G1- ANIMAL SCIENCES. from 10/01/2014 to 11/09/2028, According to D.D. 222 of 20/07/2012 (art. 16, comma 1, Legge 240/10) and D.D. 2175 of 09/08/2018 (art. 16, comma 1, Legge 240/10). MIUR
From 13/10/2014 To date	Enabled as Associate Professor for disciplinary field 07 / H5 - SURGICAL CLINICAL AND VETERINARY REPRODUCTION. from 13/10/2014 to 13/10/2023, According to D.D. 161 of 28/01/2013 (art. 16, comma 1, Legge 240/10). MIUR
01/06/2013-16/12/2013	Post Doc Position at University of Sao Paulo, (USP) Faculdade de Medicina Veterinaria e Zootecnia Departamenteo de Reprodução Animal (FMVZ VRA), Sao Paulo Brasil "Technique to Improve Reproduction and Production efficiency in Buffalo" Supervisor Prof. Pietro Sampaio Baruselli.
24/06/2010	Postgraduate School Specialization in Animal Nutrition at University of Studies of Naples "Federico II", Faculty of Veterinary Medicine, Department of Zootechnical Sciences and Inspection of the feeding section "B. Ferrara" thesis titled: "Influenza della tipologia di razionamento sullo svezzamento e sull'accrescimento del vitello bufalino". Final mark 70/70 Supervisor Prof. Giuseppe Campanile. Università Degli studi di Napoli "Federico II" Facoltà di Medicina Veterinaria, Napoli (Italia)
31/03/2010	Appointed Expert of subject "Special Animal Husbandry and farming" techniques at the Faculty of Veterinary Medicine, University of Naples "Federico II" (Minutes n.02-2010 of 31-03-2010)
20/12/2007	PhD (paid) in "Production and Health of feeding of Animal Origin" address "Sciences of the Animal breeding" XX° cycle at University of Studies of Naples "Federico II", Faculty of Veterinary Medicine, Department of Zootechnical Sciences and Inspection of the feeding section "B. Ferrara" thesis titled: "Caratterizzazione del fluido oviduttale nella specie bufalina (Bubalus,bubalis) durante il ciclo estrale"; Università Degli studi di Napoli "Federico II" Facoltà di Medicina Veterinaria, Napoli (Italia)

28/07/2004

Degree in Veterinary Medicine achieved at University of Studies of Naples "Federico II", Faculty of Veterinary Medicine, the 28/07/2004 with experimental thesis titled: "Energetic balance and ovarian functionality in buffalo heifers", Final mark 110/110 first-class plus extraordinary mention. Supervisor Prof. Giuseppe Campanile;
Università degli studi di Napoli "Federico II", Facoltà di Medicina Veterinaria, Napoli (Italia)

PERSONAL SKILLS

Mother tongue Italian

Other language	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B1	B1	B1
Portuguese	C2	C2	C2	C2	C1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
Common European Framework of Reference for Languages

Other skills Operative Systems: Windows 98, 2000, ME, XP.8, 10
Office: 2000, XP. Good knowledge of the following software:
Microsoft Word;
Microsoft Excel;
Power point;
Microsoft Internet Explorer;
Microsoft Outlook Express
Microsoft Publisher;
ACD See 4.0;
Corel Draw 10;
Ulead photo express;

Driving licence B

ADDITIONAL INFORMATION

Publications

- 1) Juliana do Amaral Moreira C. Vaz; Paula Andrea de Santis Bastos; Rana Zahi Rached; Roberta Mara Züge; Gisele Leite Camargo; Helena Dantas Parra; Lizié Pereira Buss; Aline Luise Moreira; Livio Martins Costa Júnior; Adroaldo José Zanella; Fabio Gregori; Veruska da Silva Costa; Leandro d'Arc Moretti; Vera Letticie de Azevedo Ruiz; Miriam Sayuri Sassaki; Ana

- Maria Dantas de Maio; Juan García Díez; Lauro Luís do Amaral Moreira; Hélia Maria Piedade; Fernando de Lima Caneppele; Domenico Vecchio; Juliana Vieira Paz; Márcia I. Grapéggia Zanella; Miguel Alejandro Díaz Manrique; Cláudio Paladini; Luís Fernando Soares Zuin. Diálogos para boas práticas no uso de produtos veterinários na produção animal. São Paulo: CES-SFA/SP. 2021. BRASIL. Ministério da Agricultura, Pecuária e Abastecimento. <https://www.gov.br/agricultura/pt-br/assuntos/sustentabilidade/cesesp/publicacoes/livros/dialogos-para-boas-praticas-no-uso-deprodutos-veterinarios-na-producao-animal>.
- 2) Catozzi C., Zamarian V., Marziano G., Costa E.D., Martucciello A., Serpe P., Vecchio D., Lecchi C., De Carlo E., Ceciliani F. (2021). The effects of intradermal M. bovis and M. avium PPD test on immune-related mRNA and miRNA in dermal oedema exudates of water buffaloes (*Bubalus bubalis*). Tropical Animal Health and Production Open Access Volume 53, Issue 2 June 2021 Article number 250
 - 3) Minervino AHH, Zava M, Vecchio D and Borghese A (2020) *Bubalus bubalis*: A Short Story. Front. Vet. Sci. 7:570413. doi: 10.3389/fvets.2020.570413
 - 4) Grandoni F, Martucciello A., Petrini S., Steri R., Donniacuo A., Casciari C., Scatà M.C., Grassi C., Vecchio D., Feliziani F., De Matteis G., Davis W.C., De Carlo E. 2020. Assessment of Multicolor Flow Cytometry Panels to Study Leukocyte Subset Alterations in Water Buffalo (*Bubalus bubalis*) During BVDV Acute Infection. Frontiers in Veterinary Science Open Access Volume 7, 16 October 2020, Article number 574434
 - 5) Luís Fernando Soares Zuin; Adroaldo José Zanella; Helena Lage Ferreira; Domenico Vecchio; Poliana Bruno Zuin; Juliana do Amaral Moreira C. Vaz; Luciane Ribeiro do Valle; Sara Dias-Trindade; Marcelo Candido; Gabriel Arroyo; Michelle Silva Araújo; Márcia I. Grapéggia Zanella; Timóteo Ramos Queiroz. Manual Técnico Operacional. Procedimentos de biossegurança para prevenção do contágio e propagação da Covid-19 para extensionistas rurais e agentes de fiscalização. São Carlos: Pedro & João Editores, 2020. 81p. ISBN: 978-65-87645-46-9
 - 6) Luís Fernando Soares Zuin; Adroaldo José Zanella; Helena Lage Ferreira; Domenico Vecchio; Poliana Bruno Zuin; Juliana do Amaral Moreira C. Vaz; Luciane Ribeiro do Valle; Sara Dias-Trindade; Marcelo Candido; Gabriel Arroyo; Miguel Alejandro Díaz Manrique; Michelle Silva Araújo; Márcia I. Grapéggia Zanella; Timóteo Ramos Queiroz. Manual Técnico de Operaciones: Procedimientos de bioseguridad para la prevención del contagio y propagación de covid-19 dirigido a extensionistas rurales y agentes de fiscalización agropecuaria. São Carlos: Pedro & João Editores, 2020. p.85. ISBN: 978-65-87645-47-6
 - 7) Presicce, G.A., Neglia, G., Salzano, A., Padalino, B., Longobardi, V., Vecchio, D., De Carlo, E., Gasparini, B. 2020. Efficacy of repeated ovum pick-up in Podolic cattle for preservation strategies: a pilot study. Italian

Journal of Animal ScienceOpen AccessVolume 19, Issue 1, 14 December 2020, Pages 31-40. DOI: 10.1080/1828051X.2019.1684213.

- 8) Catozzi, C., Ceciliani, F., Lecchi, C., Talenti, A., Vecchio, D., De Carlo, E., Grassi, C., Sánchez, A., Francino, O., Cuscó, A. 2020. Short communication: Milk microbiota profiling on water buffalo with full-length 16S rRNA using nanopore sequencing. *Journal of Dairy Science* Volume 103, Issue 3, March 2020, Pages 2693-2700. DOI: 10.3168/jds.2019-17359.
- 9) D'angelo, L., Martucciello, A., Marianelli, C., Grassi, C., Schiavo, L., Armas, F., Alfano, D., Vecchio, D., De Carlo, E. 2020. A case study of malignant edema in postpartum mediterranean buffaloes (*Bubalus bubalis*). *Journal of Buffalo Science* Volume 9, 2020, Pages 1-4. DOI: 10.6000/1927-520X.2020.09.01.
- 10) Vecchio D., De Carlo E., Fusi F., Lorenzi V., De Rosa G., NAPOLITANO F., Galiero G., Bertocchi L. 2019. "Welfare Evaluation in Buffalo Species by Risk Assessment Methodology, A Part of The Classyfarm System". 12° World Buffalo Congress Istanbul Turkey 18-21/09/19 pag 51 Proceedings
- 11) Fraulo P., Vecchio D., De Carlo E. 2019. Determination of The Cryoscopic Index in Mediterranean Buffalo Milk: Identification of The Reference Parameters, Confirmation of The Adulteration and Calculation of The Amount of Water Added.. 12° World Buffalo Congress Istanbul Turkey 18-21/09/19 pag 169 Proceedings
- 12) Vecchio D., Rossi P., Grassi C., Russo P., Iemma L., Coronati D, Palladino M., Consalvo F., De Rosa G., Napolitano F., Neglia G., De Carlo E., Lorenzi V., Fusi F., Bolzoni L., Pongolini S., Galiero G., Alborali G.L., Bertocchi L. 2019. Welfare Assessment of Buffalo Cows: Use of Expert Opinion Elicitation for The Characterization of Hazards, Welfare Promoters and Animal-Based Measures. 12° World Buffalo Congress Istanbul Turkey 18-21/09/19 pag 191 Proceedings
- 13) D'angelo L., Alfano D., Scognamiglio R., De Carlo E., Vecchio D. 2019. Isolation of *Streptococcus Uberis* In Water Buffaloes Aborted Fetuses.. 12° World Buffalo Congress Istanbul Turkey 18-21/09/19 pag 192 Proceedings
- 14) Ganesella M., Fiore E., Arfuso F, Vecchio D., Curone G., Morgante M, Mazzotta E, Badon T, Rossi P, Bedin S, Zumbo A., Piccione G. 2019. Serum haptoglobin and protein electrophoretic fraction modifications in buffaloes (*Bubalus bubalis*) around calving and during early lactation. *Journal of Dairy Research* Volume 86, Issue 3, 1 August 2019, Pages 291-295 DOI:10.1017/S0022029919000438 PubMed ID: 31292012.
- 15) Lecchi C., Catozzi C., Zamarian V., Poggi G., Borriello G., Vecchio R., Iacovelli G. Martucciello A., Vecchio D., De Carlo E., Galiero G., Ceciliani F. 2019. DIAGNOSI DI BRUCELLOSI IN WATER BUFFALO (*BUBALUS BUBALIS*) ATTRAVERSO LA CARATTERIZZAZIONE DEI MIRNA. pag 110. XIX Congresso Nazionale Sidilv Matera 23-25 Ottobre 2019 Proceedings
- 16) D'Angelo L., Scognamiglio R., Alfano D., De Carlo E., Galiero G., Vecchio D. 2019. ISOLAMENTO DI *STREPTOCOCCUS UBERIS* IN

- FETI BUFALINI ABORTITI.. pag 89. XIX Congresso Nazionale Sidilv
Matera 23-25 Ottobre 2019 Proceedings
- 17) Seibt, K.D., Häussler, S.a, Vecchio, D., DeCarlo, E., Ceciliani, F., Sauerwein, H. 2019. Comparison of telomere lengths in leukocytes and in nasal and vaginal epithelial cells from Water Buffaloes (*Bubalus bubalis*) of different ages. *Research in Veterinary Science* Volume 124, June 2019, Pages 328-333. DOI: 10.1016/j.rvsc.2019.04.013 PubMed ID: 31035221
 - 18) Martucciello A., Vitale N., Vecchio D., Dondo A., Archetti I., Mazzone P., Gamberale F., Pacciarini M., De Carlo E. The performance of the gamma-interferon assay for diagnosis of tuberculosis in water buffalo: preliminary results. 73rd Convegno SISVET 19 to 22, June 2019, Olbia. Proceedings
 - 19) Corazzin M., Berlese M., Zuliani A., Piasentier E., Vecchio D. 2019. Animal welfare and environmental sustainability of dairy buffalo farms in Northern Italy. Pag. 23° Congress of the animal science and production Association (ASPA) Sorrento 12-13/06 2019 Proceedings
 - 20) Lecchi, C., Catozzi, C., Zamarian, V., Poggi, G., Borriello, G., Martucciello, A, Vecchio, D., De Carlo, E., Galiero, G., Ceciliani, F. 2019. Characterization of circulating miRNA signature in water buffaloes (*Bubalus bubalis*) during *Brucella abortus* infection and evaluation as potential biomarkers for non-invasive diagnosis in vaginal fluid. *Scientific Reports Open Access* Volume 9, Issue 1, 1 December 2018, Article number 1945. DOI: 10.1038/s41598-018-38365-x.
 - 21) Salzano A, Gasparini B, Vecchio D, Longobardi V, Baruselli PS, Balestrieri A, Licitra F, D'Occhio M, Neglia G. 2019. Effect of photoperiod on follicular IGF-1 and oocyte quality independently of metabolic status in buffalo heifers. *Italian Journal of Animal Science Open Access* Volume 18, Issue 1, 2 January 2019, Pages 949-956 DOI: 10.1080/1828051X.2019.1588793
 - 22) Catozzi, C., Cuscó, A., Lecchi, C., De Carlo, E., Vecchio, D., Martucciello, A., D'Angelo, L., Francino, O., Bonastre, A.S., Ceciliani, F. 2019. Impact of intramammary inoculation of inactivated *Lactobacillus rhamnosus* and antibiotics on the milk microbiota of water buffalo with subclinical mastitis. *PLoS ONE Open Access* Volume 14, Issue 1, January 2019, Article number e0210204 <https://doi.org/10.1371/journal.pone.0210204> PubMed ID: 30615691
 - 23) Enrico Fiore, Francesca Arfuso, Matteo Ganesella, Domenico Vecchio, Massimo Morgante, Elisa Mazzotta, Tamara Badon, Pasquale Rossi, Silvia Bedin, Giuseppe Piccione. 2018. Metabolic and hormonal adaptation in *Bubalus bubalis* around calving and early lactation. *PLoS ONE* 13(4): e0193803. <https://doi.org/10.1371/journal.pone.0193803>
 - 24) Vecchio Domenico; Juan Esteban Tamaio, Bertocchi Luigi; De Carlo Esterina. 2017. Development of a new approach to evaluate Buffalo Welfare, the Ruminant Welfare® project. XVII Latin American Congress Buiatrics, Medellin, Colombia from 1st to 3rd November 2017. Invited lecture

- 25) Fabrizio Ceciliani, Domenico Vecchio, Esterina De Carlo, Alessandra Martucciello, Cristina Lecchi. 2017. A Systems Biology Approach to Dairy Cattle Sub-fertility and Infertility. Chapter in book "Periparturient Diseases of Dairy Cows" Editors: Burim N. Ametaj, Publisher Springer International Publishing, Copyright Holder Springer International Publishing Switzerland. Hardcover ISBN 978-3-319-43031-7 ; eBook ISBN 978-3-319-43033-1 ; DOI 10.1007/978-3-319-43033-1
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- 97) De Rosa A., Attanasio L., Boccia L., Monaco E., Vecchio D., Gasparrini B.(2005). Cryopreservation of buffalo (bubalus Bubalis) embryos by open pulled straw (ops) vitrification: effect of the stage of development. 3° Congresso Nazionale sull'allevamento del Bufalo 1st Buffalo Symposium of Europe and the Americas Capaccio-Paestum (Sa) Italia 12-15 Ottobre 2005;266-267 Proceeding
- 98) Vecchio D., Monaco E., Boccia L., Anastasio L., Bastianetto E., Neglia G.(2005). Effect of two GnRH agonist in the ovsynch-tai program in buffalo. 3° Congresso Nazionale sull'allevamento del Bufalo 1st Buffalo Symposium of Europe and the Americas Capaccio-Paestum (Sa) Italia 12-15 Ottobre 2005;261-262. Proceeding
- 99) Vecchio D., Neglia G.,Comin A., Renaville B., Campanile G.(2005). Effect of GnRH administration on pituitary response in Buffalo. 3° Congresso Nazionale sull'allevamento del Bufalo 1st Buffalo Symposium of Europe and the Americas Capaccio-Paestum (Sa) Italia 12-15 Ottobre 2005;259-260. Proceeding
- 100) Di Palo R., Vecchio D., Zicarelli G., Attanasio L., Bonomi G., Campanile G.,(2005) Effect of GnRh, HCG and progesterone tratment on

- embryo mortality in Buffalo. 3° Congresso Nazionale sull'allevamento del Bufalo 1st Buffalo Symposium of Europe and the Americas Capaccio-Paestum (Sa) Italia 12-15 Ottobre 2005;228-229. Proceeding
- 101) Vecchio D., Zicarelli F., Grassi C., De Rosa A., Attanasio L., Campanile G., (2005). Effects of addition of *saccharomyces cerevisiae* in diet on the milk production in Buffalo. 3° Congresso Nazionale sull'allevamento del Bufalo 1st Buffalo Symposium of Europe and the Americas Capaccio-Paestum (Sa) Italia 12-15 Ottobre 2005;165-166. Proceeding
- 102) Di Palo R., Vecchio D., Amante L., Coletta A., Potena A., Zicarelli L. (2005). Carcase characteristics in young bulls of Italian Mediterranean buffalo (*Bubalus Bubalis*). 3° Congresso Nazionale sull'allevamento del Bufalo 1st Buffalo Symposium of Europe and the Americas Capaccio-Paestum (Sa) Italia 12-15 Ottobre 2005;130-131. Proceeding
- 103) R. Di Palo, G. Campanile, A. Prandi, P.S. Baruselli, D. Vecchio, N.A.T. Carvalho, L. Zicarelli (2005). Plasma leptin levels in Murrah buffalo heifers fed diet with two different energy levels. ASPA 16 th Congress, Torino, June 28-30 volume 4 (supplement 2):301-303. Proceeding
- 104) Campanile G., Baruselli P. S., Carvalho N. A. T., Di Palo R., Cavalcanti A. K. S., Neglia G., Vecchio D., Zicarelli L. (2004). Effect of feed restriction on ovarian activity and recovered oocytes in Murrah buffalo heifers. 15th International Congress on Animal Reproduction (ICAR), Porto Seguro, Brazil 8-12 Agosto : 37. Proceeding
- 105) Gasparini B., Boccia L., De Rosa A., Vecchio D., Di Palo R., Zicarelli L. 2004. In vitro fertilization of buffalo (*Bubalus bubalis*) oocytes: effects of media and sperm motility inducing agents. Proc of the Annual Conference of IETS, Portland, Oregon, 10-14 January. Reproduction, Fertility and Development Volume 16 (1,2):255. Proceeding
- 106) Campanile G., Baruselli P.S., Carvalho N.A.T., Di Palo R., Cavalcanti R.B., Vecchio D., Vianna R.B., Zicarelli L. (2003). Effect of feed restriction on ovarian activity and recovered oocytes in Murrah buffalo heifers. II Congresso Nazionale sull'Allevamento del Bufalo, Monterotondo –Roma, 28-30 Agosto 2003, 275-278. Proceeding
- 107) Campanile G., De Rosa C., Zicarelli F., Grassi C., Vecchio D. (2003). Impiego dei podometri nella bufala Mediterranea Italiana. Atti della Società Italiana delle Scienze Veterinarie. LVII Congresso S.I.S.Vet. Ischia (NA), 25-27/09/2003, 447-448. Proceeding.
- 108) Di Francesco S., Giudice A., Lopes F., Vecchio D, “I segreti dell'allevamento dei records: l'attenzione al particolare e la selezione per via femminile”. *Bubalus bubalis*, giugno 2002, anno VIII, p.10-22

Participation certificates
and updating courses

03/04/2019 Training course for veterinarians evaluators and trainers (Network II.ZZ.SS.) assessment of the risk applied to welfare and biosecurity through the use of check list classyfarm specific module for breeding of dairy cow and beef

cattle.

30/11/2018 Geographic information systems (GIS) in the veterinary field. corso (FAD). Provider Istituto Zooprofilattico dell' Abruzzo e Molise "G. Caporale"

21/11/2018 Training course for veterinary trainers on the classyfarm system. Rome. Ministry of Health

03/10/2018 Training course for veterinary trainers on the classyfarm system. Rome. Ministry of Health

10-12/09/2018 9th CONERA (North-Northeast Congress on Animal Reproduction). Belém, Para State, Brazil

17-18/07/2018 Training course for veterinary trainers: risk assessment, wellness, biosecurity and drug consumption through the use of classyfarm 1st edition. Rome Ministry of Health

03-05/05/2018 IV SIMPÓSIO PAULISTA DE BUBALINOCULTURA. Jaboticabal UNESP. Sao Paulo Brasil.

09/11/2017 Seminarios Centro de Estudos Comparativos em Saude, Sustentabilidade e Bem- Estar "Ruminata Welfare:development of a new approach to evaluate Buffalo Welfare". Pirassunga Campus of Universidade de Sao Paulo Faculdae Medicina Veterinaria e Zootecnia USP-FMVA-VPS.
01-03/11/2017 XVIII Congreso Latinoamericano de Buiatría - ENICIP 2017 Medellin Colombia.

22/02/2017 On-Line Epidemiological Survey Training Course, National Prophylaxis. IZSM PORTICI

14-17 /02/2017-1 Course Process of standardization of procedures for the eradication of tuberculosis in the Campania Region IZSM Regione Campania

23-26/11/2016 World Buffalo Congress, 23-26 11 2016, Cartagena Colombia

24/02/2015-10/04/2015 "La sorveglianza epidemiologica in sanità pubblica veterinaria (I edizione)" corso (FAD). Provider Istituto Zooprofilattico dell' Abruzzo e Molise "G. Caporale"

12/10/2014 3rd EAVLD Congress, Pisa, 12th-15th October 2014

04/12/2014-05/12/2014 International Symposium on Current Challenges and Translational research to augment animal reproduction. Madras Veterinary College. Tamil Nandu Veterinary and animal sciences University Chennai-600 007 India.

28/05/2014 Symposium of Veterinary Immunology Florence Palazzo dei Congressi IX National Conference of the Italian Society of Immunology, Clinical Immunology and Allergology.

30/08/2013-02/09/2013 XXVI Reuniao Anual da Sociedade Brasileira de Tecnologia de Embrioies Foz do Iguaçu-Pr Brasil

25-28/04/2010 9th World Buffalo Congress, Buenos Aires Argentina.

9-10/10/2009 Società Italiana Embryo Transfer (S.I.E.T.) 18th Congresso, Rimini Italy.

9-12/6/2009 Scientific Association of Animal Production (A.S.P.A.) XVIII Congress, Palermo, Italy.

19-22/10/2007 8th World Buffalo Congress, Caserta Italy.

23/09/2007 Satellite Symposium Embryo-Maternal Communication Celle Germany.

19-22/09/2007 ESDAR annual conference Celle Germany.

29/05 01/06/2007 XVII Congress A.S.P.A. , Alghero, Italy.

08/03-09/03/2007 Encontro Internacional de atualização em nutrição, melhoramento e reprodução em bubalinos Belém-Pará-Brasil. Relazione su invito “Técnicas para melhorar a produção de embriões *in vitro*”.

05/03/2007 Curso de manejo produtivo e reprodutivo de búfalas Associação Brasileira de Criadores de Búfalos. Parque da Água Branca - São Paulo – SP Brasil.

07-09/09/2006 - 10th Jubilee Annual Conference of European Society of Domestic Animal Reproduction (ESDAR), Portoroz-Lipica, Slovenia.

25/05/2006 - Nuclear transfer. Prof. Gabor Vajta Royal Veterinary and Agricultural University Copenhagen Denmark. University of Studies of Naples “Federico II”, Faculty of Veterinary Medicine/Science.

24/05/2006 - Cryopreservation of oocytes and embryos. Prof. Gabor Vajta Royal Veterinary and Agricultural University Copenhagen Denmark. University of Studies of Naples “Federico II”, Faculty of Veterinary Medicine/Science

22-23/05/2006 - In Vitro Embryo production technology. Prof. Gabor Vajta Royal Veterinary and Agricultural University Copenhagen Denmark. University of Studies of Naples “Federico II”, Faculty of Veterinary Medicine/Science

25/04/-05/05/2006 “Control of follicular development and ovulation”. São Paulo (Brazil) University of São Paulo, Faculty of Veterinary Medicine and Zootechnic, Cidade Universitária “Armando de Salles Oliveira” Department of Animal Reproduction. Organizers Professors: Prof. Pietro Sampaio Baruselli, Prof. Ed. Hoffmann Madureira. Collaborator Professor: Prof. Michael J. D’Occhio (University of Queensland – Australia).

12-15/11/2005 3^o National Congress of buffalo breeding, 1st Buffalo Symposium of Europe and the Americas. Capaccio-Paestum (Sa) Italia;

10-14 /05/2005 Widening days about biotechnologies of Development and Reproduction , lessons organized from Prof. Michael D’Occhio (Queensland University, Australia), Faculty of Veterinary Medicine “Federico II” , Naples.

09-11/01/2005 31st Annual Conference of the International Embryo Transfer Society Copenhagen, Denmark;

30/6/2003 Padova University of Studies of Padova, Faculty of Veterinary Medicine “Exotic zoonoses: new healthy problems”;

25/6/2003 S. Leucio (CE) Italy. Study day “ Buffalo hypo fertility: main reasons and possible solutions”

27-28/6/2002 São Paulo (Brazil) University of São Paulo, Faculty of Veterinary Medicine and Zootechnic “Simposio Reprodução Animal: Inovações Científicas e Tecnológicas” (ICAR);

24/06-06/08/2002 São Paulo (Brazil) University of São Paulo, Faculty of

Veterinary Medicine and Zootechnic Cidade Universitaria “Armando de Salles Oliveira” Department of Animal Reproduction, stage (280 hour) “Energetic balance influence on oocyte quality in Buffalo cow (*Bubalus bubalis*)”;
 29/11/2001 Portici Zooprophyllactic Institute of the South of Italy, Updating Course “Monitoring of T.S.E.: passive supervision/surveillance”
 23/11/2001 Portici Zooprophyllactic Institute of the South of Italy, Updating course “Vaccines: new frontiers in Veterinary Medicine”
 3-5/10/2001 Eboli (SA) Italy “I National Congress of buffalo breeding”

2-4/9/1999 Torino, updating course Waltham about “Nutrition of the dog and the cat”;

From 03/03 to 13/06/1997 Naples University of Studies of Naples “Federico II”, faculty of Veterinary Medicine, in cooperation with Appennine Ecological Study Centre, International Park Centre, National Park of Abruzzo, “Course of Applied Ecology”;

EDITORIAL BOARD MEMBERSHIPS

THE INDIAN JOURNAL OF ANIMAL REPRODUCTION

Official Organ of the Indian Society for Study of Animal Reproduction [Regd. No. Bom.253/78] to date

FRONTIERS IN VETERINARY SCIENCE. Guest Associate Editor in Frontiers in Veterinary Science -Veterinary Epidemiology and Economics. Research Topic: Buffalo Health and Production from 10/10/19 to date

Guest Associate Editor in Agriculture MDPI. Research Topic "Reproduction of Ruminant Livestock" dal 01/09/20

Guest Associate Editor in Animals MDPI. Research Topic "The Water Buffalo (*Bubalus bubalis*)" dal 01/09/20

FRONTIERS IN VETERINARY SCIENCE. Associate Editor in Frontiers in Veterinary Science -Veterinary Epidemiology and Economics. From 28/07/2021 to date.

Awards and Honors

2013- Premio 2° classificato “Young Scientist poster presentation Award The 10th World Buffalo Congress”. Rilasciato dall’ International Buffalo Federation e dall’ Asian Buffalo Association.

2009- Premio 1° Herculaneum Academy per la Migliore Tesi di Dottorato di Ricerca dell’ Università degli Studi di Napoli “Federico II” e Seconda Università degli Studi di Napoli (S.U.N.) per gli anni accademici 2006-2007 and 2007-2008, XX et XXI ciclo.

National Scientific Enabling

Enabled as Associate Professor for the disciplinary sector 07 / G1- ANIMAL SCIENCES. from 11/09/2019 to 11/09/2028, According to D.D. 222 of 20/07/2012 and D.D. 2175 of 09/08/2018 (art. 16, comma 1, Legge 240/10).

Enabled as Associate Professor for disciplinary field 07 / H5 - SURGICAL CLINICAL AND VETERINARY REPRODUCTION. from 13/10/2014 to 13/10/2023, According to D.D. 161 of 28/01/2013.

Memberships

Ordinary Member **International Buffalo Federation** since 2016

Ordinary member **SBTE Società Brasiliana di Embryo transfer** since 2013

Ordinary member **European Society for Domestic Animal Reproduction (ESDAR)** since 2007

Ordinary member **Wild Animals Vigilance Euromediterranean Society Italia (WAVES)** since 25-01-2007

Ordinary member **S.I.V.A.R.** since 2004

Ordinary member **I.E.T.S.** since 2004-2005

Ordinary member of the Italian Society of Tropical Veterinaries and zootechnia for the international cooperation, Veterinaries without Frontiers-Italy (**Siv-tro VSF Italia ONLUS-ONG**) from **2000**, From 30/06/2003 to 25/07/2006 member of the National Board of Directors **Siv-tro VSF Italia ONLUS-ONG**

Ordinary member **A.i.f.o. ONG - ONLUS** from 1993 to 1997

Review activity

- **Journal of Dairy Science**
- **Plos One**
- **Animal Reproduction Science**
- **Tropical Animal Health and Production**
- **Livestock Science**
- **International Journal of Biometeorology**
- **Zygote**
- **Journal of Reproductive Immunology**
- **Comparative Biochemistry and Physiology Part D: Genomics and Proteomics**
- **Reproduction in Domestic Animals**

Member of Evaluation Committees

15/07/2021 Membro titolare della commissione di maestrado Presso UNIVERSIDADE FEDERAL RURAL DA AMAZÔNIA PROGRAMA DE PÓS GRADUAÇÃO EM REPRODUÇÃO ANIMAL NA AMAZÔNIA UNIVERSIDADE

FEDERAL DO PARÁ Candidato LOUISE CARNEIRO DE CARVALHO “EFICIÊNCIA E PRODUTIVA DE NOVILHAS BÚFALAS PRÉ-PÚBERES SUBMETIDAS À PROTOCOLOS DE INDUÇÃO DE CICLICIDADE”.2021. Dissertação apresentada ao programa de pós-graduação em Reprodução Animal na Amazônia - ReproAmazon da Universidade Federal Rural da Amazônia/Universidade Federal do Pará para a obtenção do título de Mestre em Reprodução Animal.

30/01/2020 Member of the Evaluation Commission of Maestrado presso Faculdade de medicina veterinaria e zootecnica universidade de sao paulo brasilCandidato Damiana Chello “Fatores que influenciam a produção de embriões de doadoras e a fertilidade de receptoras bubalinas”. 2020. Dissertação (Mestrado em Ciências) – Faculdade de Medicina Veterinária e Zootecnia, Universidade de São Paulo, São Paulo, 2020.

16/09/19 Member of the Evaluation Commission of ANNES, K.’s PhD thesis in PROGRAMA DE PÓS-GRADUAÇÃO EM BIOTECNOCiência, titled “The role of cholesterol in criotolerance and embryonic viability of in vitro produced bovine embryos with different development kinetics”, at UNIVERSIDADE FEDERAL DO ABC Sao Paulo Brasil.

16/09/19 Member of the Evaluation Commission of ÉRIKA CRISTINA DOS SANTOS PROGRAMA’s PhD thesis in PÓS-GRADUAÇÃO EM BIOTECNOCiência, titled “EMBRYONIC RESPONSE TO CULTURE MEDIA BASED ON OVIDUCT AND UTERINE FLUID COMPOSITION IN CATTLE”, at UNIVERSIDADE FEDERAL DO ABC Sao Paulo Brasil.

17/04/2015 Member of the Evaluation Commission of Dr. Bruno Moura Monteiro's PhD in Animal Reproduction, titled "Reproductive efficacy in milk-based buffalo submitted to IATF protocol based on P4 / E2 and ECG during the favorable and unfavorable breeding season" , at the Department of Animal Reproduction of the Faculty of Veterinary Medicine and Zootechnics of the University of Sao Paulo (Brazil)

Conscription

Made as civil service substitute at the Archaeological Estate Office for the areas of Salerno, Avellino and Benevento. Residence: Paestum National Museum–Capaccio from 30/07/2004 to 30/05/2005

I authorize the processing of my personal data pursuant to the Regulations UE 2016/679.

Castellabate, 01/10/2021

Dr. Domenico Vecchio