

PERSONAL INFORMATION

Annapaola Rizzoli, DVM, PhD

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BIO SKETCH

Annapaola Rizzoli is a DVM, PhD working in the Health and Environment area under the One Health perspective. Her major scientific interest and expertise is in the field of ecology, epidemiology and risk assessment of emerging vector borne and zoonotic diseases driven by global changes. She started her career working as researcher and project manager for the Centre for Alpine Ecology, a research institute of the Autonomous Province of Trento, that she co-founded and directed. She then moved to the Edmund Mach Foundation, where she directed the Research and Innovation Centre from 2016 to 2020 (<http://cri.fmach.eu/>). She currently acting as team leader of the ecohealth/applied ecology unit. She coordinated and carried out several research projects on the impact of global changes on vector borne and zoonotic diseases emergence and control at national and international level. Her research work was supported also by competitive research funds provided by the Autonomous Province of Trento (i.e. Laboratory of Excellence in epidemiology and Modelling; www.lexem.eu) as well the European Commission (i.e. FP6 EDEN <http://www.eden-fp6project.net/> as participant; FP7 EDENext <http://www.edenext.eu/> as WP leader; FP7 Eurowest Nile <http://www.eurowestnile.org/as> Scientific coordinator; H2020 Zikalliance: <https://zikalliance.tghn.org/> as participant; H2020 MOOD as WP leader; HEU BEPREP as participant; EYWA EIC Prize as participant). She is currently member of the VECTORNET3 project (VGL Tick borne diseases)

She was awarded by the Italian National Scientific Qualification as Full Professor for the discipline 07/H3 Animal infectious and parasitic diseases. She is Assistant Editor of the International Journal of Parasitology, Parasites and Wildlife and invited reviewer of several journals. She is Session Editor of the Plos Neglected Tropical Diseases journal

WORK EXPERIENCE

- From January 2021 ongoing** Position held: Head of the Applied ecology/ Eco-Health Research Group, Research and Innovation Centre
Name and address of the employer : Azienda Provinciale Servizi Sanitari di Trento seconded at Edmund Mach Foundation, Research and Innovation Centre, via Mach 1, 38010, S. Michele all' Adige (TN), Italy
- From 2016 to 2020** Position held: Confirmed Director of the Research and Innovation Centre
Name and address of the employer : Azienda Provinciale Servizi Sanitari di Trento seconded at Edmund Mach Foundation, Research and Innovation Centre, via Mach 1, 38010, S. Michele all' Adige (TN), Italy
Type of business or sector: Direction of a research body, administration and management
- From 2011 to 2015** Position held: DVM, PhD, Head of the Animal Ecology Research Group, Department of Biodiversity and Molecular Ecology
Name and address of the employer : Azienda Provinciale Servizi Sanitari di Trento seconded at Edmund Mach Foundation, Research and Innovation Centre, via Mach 1, 38010, S. Michele all' Adige (TN), Italy
Type of business or sector: Basic and applied research; interdisciplinary group scientific coordination, research management, national and international FP7 scientific coordination and management (www.lexem.eu; www.eurowestnile.org, www.edenext.eu)
- From 2009 to 2010** Position held: DVM, PhD, Head of the Environment Area FEM/CRI
Name and address of the employer : Azienda Provinciale Servizi Sanitari di Trento seconded at Edmund Mach Foundation, Research and Innovation Centre, via Mach 1, 38010, S. Michele all' Adige (TN), Italy
Type of business or sector: Basic and applied research; interdisciplinary group scientific coordination, research management
- From 2007 to 2009** Position held: Director
Name and address of the employer : Centre for Alpine Ecology, Viote del Monte Bondone (TN) (ranked among the best 10 research institute in Italy. Scientometrics (2011) 88:599–615 DOI 10.1007/s11192-011-0406-x)
Type of business or sector: Direction of a research body, administration and management

From 1993 to 2007 Position held: DVM, PhD, Head of the wildlife ecology and epidemiology group, direction, coordination and research in the field of wildlife diseases ecology and epidemiology
Name and address of the employer : Centre for Alpine Ecology, Viote del Monte Bondone (TN)
Type of business or sector: Basic and applied research, research management and research groups scientific coordination

From 1990 to 1992 Position held: DVM, research fellow
Name and address of the employer : Parco Adamello Brenta, Strembo (Italy)
Type of business or sector: Basic and applied research on wildlife disease ecology and management

EDUCATION AND TRAINING

- 1995** Ph. D in animal ecology, parasitology and epidemiology
Education or training organisation's name: Institute for General Pathology and Parasitology, University of Milan (Italy)
Title of the dissertation: Domestic and wild animal comparative pathology. Physiopathological investigation on wild ungulates: macroparasites-host interaction in chamois (*Rupicapra rupicapra* L.). Supervisor: Prof. C. Genchi /prof. G Mandelli
- 1989** MSc in Veterinary Medicine
Education or training organisation's name: Institute for Animal Pathology, University of Milan (Italy)
Title of the dissertation: Lung parasites in wild ungulates: histopathological findings. Supervisor: Prof. G. Mandelli
Score : 110/110

1982 High school diploma. Education or training organisation's name: Liceo Scientifico Galileo Galilei, Trento/ Quinquennio unico sperimentale (QUS), Cavalese (TN, Italy)

National scientific qualification

2018 Award of the Italian National Scientific Qualification ("Abilitazione Scientifica Nazionale" ASN) as Full Professor for the discipline 07/H3 Animal infectious and parasitic diseases (Malattie infettive e parassitarie degli animali)

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	Proficient user	Proficient user	Proficient user	Proficient user	Proficient user
CAE certificate					
Spanish	Basic user	Basic user	Basic user	Basic user	Basic user

Communication skills

- Very good written, verbal communication and presentation skills gained through my experience as scientist and research project coordinator at local, national and international level

Organisational / managerial skills

- Long term experience in personnel coordination and management; research projects management processes: plan, execution and project delivery respecting deadlines; building high performing national and international teams; monitoring and measuring personnel performance; able to concisely summarise complex issues; ability to prioritise between projects; strong negotiating, listening and interpersonal skills; ability in finding and negotiating win, win solutions; good understanding of current and future technology trends; can adapt to a fast paced changing environment; willing to make new experiences and attend training sessions to further develop knowledge and skills; ability to think and act proactively; assertive in interpersonal relationships; willingness to travel internationally; detailed oriented and well organized; self-motivated and energetic in approach to work

Job-related skills

- Emerging wildlife disease ecology, epidemiology and management; parasitology; ecology of zoonoses; vector borne diseases; molecular epidemiology, animal ecology; pest management
- Risk assessment, risk management
- Climate change: impact and adaptation strategies
- Biodiversity and ecosystem services
- Aliens species ecology and control
- Natural resources management
- Sustainable development

Computer skills

- Good command of Microsoft Office™ tools, SAP, R;

Driving licence

▪ B

ADDITIONAL INFORMATION

WOS-ISI and peer reviews publications

146	van Kleef E, Van Bortel W, Arsevska E, Busani L, Dellicour S, Di Domenico L, Gilbert M, van Elsland SL, Kraemer MU, Lai S, Lemey P, Merler S, Milosavljevic Z, Rizzoli A, Simic D, Tatem AJ, Teisseire M, Wint W, Colizza V, Poletto C. Modelling practices, data provisioning, sharing and dissemination needs for pandemic decision-making: a European survey-based modellers' perspective, 2020 to 2022. <i>Euro Surveill.</i> 2025 Oct;30(42). doi: 10.2807/1560-7917.ES.2025.30.42.2500216. PMID: 41133306.
145	Ferrari G, Rosso F, Girardi M, Dagostin F, Arnoldi D, Zuccali MG, Mocellin C, Molinaro S, Tagliapietra V, Rizzoli A. A new hotspot of tick-borne encephalitis virus (TBEV) in the Autonomous Province of Trento, Italy. <i>Ticks Tick Borne Dis.</i> 2025 Sep;16(5):102513. doi: 10.1016/j.ttbdis.2025.102513. Epub 2025 Jul 18. PMID: 40683170.
144	Jagadesh S, Cataldo C, Van Bortel W, Van Kleef E, Wint W, Rizzoli A, Busani L, Arsevska E. Mapping global risk of bat and rodent borne disease outbreaks to anticipate emerging threats. <i>Sci Rep.</i> 2025 Jul 1;15(1):20534. doi: 10.1038/s41598-025-05588-8. PMID: 40596082; PMCID: PMC12214798.
143	Da Re D, Marini G, Bonannella C, Laurini F, Manica M, Anicic N, Albieri A, Angelini P, Arnoldi D, Bertola F, Caputo B, De Liberato C, Della Torre A, Flacio E, Franceschini A, Gradoni F, Kadriaj P, Lencioni V, Del Lesto I, Russa F, Lia RP, Montarsi F, Otranto D, L'Ambert G, Rizzoli A, Rombolà P, Romiti F, Stancher G, Torina A, Velo E, Virgillito C, Zandonai F, Rosà R. Modelling the seasonal dynamics of <i>Aedes albopictus</i> populations using a spatio-temporal stacked machine learning model. <i>Sci Rep.</i> 2025 Jan 30;15(1):3750. doi: 10.1038/s41598-025-87554-y. PMID: 39885207; PMCID: PMC11782657.
142	Silverj A, Mencattelli G, Monaco F, Iapaolo F, Teodori L, Leone A, Polci A, Curini V, Di Domenico M, Secondini B, Di Lollo V, Ancora M, Di Gennaro A, Morelli D, Perrotta MG, Marini G, Rosà R, Segata N, Rota-Stabelli O, Rizzoli A, Savini G; West Nile Virus Working Group. Origin and evolution of West Nile virus lineage 1 in Italy. <i>Epidemiol Infect.</i> 2024 Dec 2;152:e150. doi: 10.1017/S0950268824001420. PMID: 39620707; PMCID: PMC11626449.
141	Rosso F, Ferrari G, Weil T, Tagliapietra V, Marini G, Dagostin F, Arnoldi D, Girardi M, Rizzoli A. Temporal Changes in Tick-Borne Pathogen Prevalence in Questing <i>Ixodes ricinus</i> Across Different Habitats in the North-Eastern Italian Alps. <i>Microbiologyopen.</i> 2024 Dec;13(6):e010. doi: 10.1002/mbo3.70010. PMID: 39659165; PMCID: PMC11632159.
140	Zadra N, Rizzoli A, Stabelli O. Comprehensive phylogenomic analysis of Zika virus: Insights into its origin, past evolutionary dynamics, and global spread. <i>Virus Res.</i> 2024 Nov 7;350:199490. doi: 10.1016/j.virusres.2024.199490. Epub ahead of print. PMID: 39489463; PMCID: PMC11583807.
139	Ndione MHD, Diagne MM, Mencattelli G, Diallo A, Ndiaye EH, Di Domenico M, Diallo D, Kane M, Curini V, Top NM, Marcacci M, Sankhe S, Ancora M, Secondini B, Di Lollo V, Teodori L, Leone A, Puglia I, Gaye A, Sall AA, Loucoubar C, Rosà R, Diallo M, Monaco F, Faye O, Cammà C, Rizzoli A, Savini G, Faye O. An amplicon-based sequencing approach

	for Usutu virus characterization. <i>Virology</i> . 2024 Jul 23;21(1):163. doi: 10.1186/s12985-024-02426-7. PMID: 39044231; PMCID: PMC11267690.
138	Marini G, Drakulovic MB, Jovanovic V, Dagostin F, Wint W, Tagliapietra V, Vasic M, Rizzoli A. Drivers and epidemiological patterns of West Nile virus in Serbia. <i>Front Public Health</i> . 2024 Jul 17;12:1429583. doi: 10.3389/fpubh.2024.1429583. PMID: 39086811; PMCID: PMC11288825.
137	Da Re D, Marini G, Bonannella C, Laurini F, Manica M, Anicic N, Albieri A, Angelini P, Arnoldi D, Blaha M, Bertola F, Caputo B, De Liberato C, Della Torre A, Flacio E, Franceschini A, Gradoni F, Kadriaj P, Lencioni V, Del Lesto I, La Russa F, Lia RP, Montarsi F, Otranto D, L'Ambert G, Rizzoli A, Rombolà P, Romiti F, Stancher G, Torina A, Velo E, Virgillito C, Zandonai F, Rosà R. VectAbundance: a spatio-temporal database of Aedes mosquitoes observations. <i>Sci Data</i> . 2024 Jun 15;11(1):636. doi: 10.1038/s41597-024-03482-y. PMID: 38879616; PMCID: PMC11180130.
136	Erazo D, Grant L, Ghisbain G, Marini G, Colón-González FJ, Wint W, Rizzoli A, Van Bortel W, Vogels CBF, Grubaugh ND, Mengel M, Frieler K, Thiery W, Dellicour S. Contribution of climate change to the spatial expansion of West Nile virus in Europe. <i>Nat Commun</i> . 2024 Feb 8;15(1):1196. doi: 10.1038/s41467-024-45290-3. PMID: 38331945; PMCID: PMC10853512.
135	Zardini A, Menegale F, Gobbi A, Manica M, Guzzetta G, d'Andrea V, Marziano V, Trentini F, Montarsi F, Caputo B, Solimini A, Marques-Toledo C, Wilke ABB, Rosà R, Marini G, Arnoldi D, Pastore Y Piontti A, Pugliese A, Capelli G, Della Torre A, Teixeira MM, Beier JC, Rizzoli A, Vespignani A, Ajelli M, Merler S, Poletti P. Estimating the potential risk of transmission of arboviruses in the Americas and Europe: a modelling study. <i>Lancet Planet Health</i> . 2024 Jan;8(1):e30-e40. doi: 10.1016/S2542-5196(23)00252-8. PMID: 38199719.
134	Dagostin F, Tagliapietra V, Marini G, Ferrari G, Cervellini M, Wint W, Alexander NS, Zuccali MG, Molinaro S, Fiorito N, Dub T, Rocchini D, Rizzoli A. High habitat richness reduces the risk of tick-borne encephalitis in Europe: A multi-scale study. <i>One Health</i> . 2023 Dec 30;18:100669. doi: 10.1016/j.onehlt.2023.100669. PMID: 38283833; PMCID: PMC10820641.
132	Zadra N, Tatti A, Silverj A, Piccinno R, Devilliers J, Lewis C, Arnoldi D, Montarsi F, Escuer P, Fusco G, De Sanctis V, Feuda R, Sánchez-Gracia A, Rizzoli A, Rota-Stabelli O. Shallow Whole-Genome Sequencing of <i>Aedes japonicus</i> and <i>Aedes koreicus</i> from Italy and an Updated Picture of Their Evolution Based on Mitogenomics and Barcoding. <i>Insects</i> . 2023 Nov 23;14(12):904. doi: 10.3390/insects14120904. PMID: 38132578; PMCID: PMC10743467.
131	Mencattelli G, Ndione MHD, Silverj A, Diagne MM, Curini V, Teodori L, Di Domenico M, Mbaye R, Leone A, Marcacci M, Gaye A, Ndiaye E, Diallo D, Ancora M, Secondini B, Di Lollo V, Mangone I, Bucciaccio A, Polci A, Marini G, Rosà R, Segata N, Fall G, Cammà C, Monaco F, Diallo M, Rota-Stabelli O, Faye O, Rizzoli A, Savini G. Spatial and temporal dynamics of West Nile virus between Africa and Europe. <i>Nat Commun</i> . 2023 Oct 13;14(1):6440. doi: 10.1038/s41467-023-42185-7. PMID: 37833275; PMCID: PMC10575862.
130	Dagostin F, Tagliapietra V, Marini G, Cataldo C, Bellenghi M, Pizzarelli S, Cammarano RR, Wint W, Alexander NS, Neteler M, Haas J, Dub T, Busani L, Rizzoli A. Ecological and environmental factors affecting the risk of tick-borne encephalitis in Europe, 2017 to 2021. <i>Euro Surveill</i> . 2023 Oct;28(42):2300121. doi: 10.2807/1560-7917.ES.2023.28.42.2300121. PMID: 37855903; PMCID: PMC10588310.
129	Diagne MM, Ndione MHD, Mencattelli G, Diallo A, Ndiaye EH, Di Domenico M, Diallo D, Kane M, Curini V, Top NM, Marcacci M, Mbanne M, Ancora M, Secondini B, Di Lollo V, Teodori L, Leone A, Puglia I, Gaye A, Sall AA, Loucoubar C, Rosà R, Diallo M, Monaco F, Faye O, Cammà C, Rizzoli A, Savini G, Faye O. Novel Amplicon-Based Sequencing Approach to West Nile Virus. <i>Viruses</i> . 2023 May 27;15(6):1261. doi: 10.3390/v15061261. PMID: 37376561; PMCID: PMC10305458.
128	Marini G, Tagliapietra V, Cristofolini F, Cristofori A, Dagostin F, Zuccali MG, Molinaro S, Gottardini E, Rizzoli A. Correlation between airborne pollen data and the risk of tick-borne encephalitis in northern Italy. <i>Sci Rep</i> . 2023 May 22;13(1):8262. doi: 10.1038/s41598-023-35478-w. PMID: 37217780; PMCID: PMC10203324.
127	Cenni L, Simoncini A, Massetti L, Rizzoli A, Hauffe HC, Massolo A. Current and future distribution of a parasite with complex life cycle under global change scenarios: <i>Echinococcus multilocularis</i> in Europe. <i>Glob Chang Biol</i> . 2023 May;29(9):2436-2449. doi: 10.1111/gcb.16616. Epub 2023 Feb 23. PMID: 36815401.
126	Mencattelli G, Silverj A, Ippolito F, Ippolito C, Teodori L, Di Gennaro A, Curini V, Candeloro L, Conte A, Polci A, Morelli

	D, Perrotta MG, Marini G, Rosà R, Monaco F, Segata N, Rizzoli A, Rota-Stabelli O, Savini G, West Nile Working Group. Epidemiological and Evolutionary Analysis of West Nile Virus Lineage 2 in Italy. <i>Viruses</i> . 2022 Dec 22;15(1):35. doi: 10.3390/v15010035. PMID: 36680076; PMCID: PMC9866873.
125	Da Re D, Van Bortel W, Reuss F, Müller R, Boyer S, Montarsi F, Ciocchetta S, Arnoldi D, Marini G, Rizzoli A, L'Ambert G, Lacour G, Koenraadt CJM, Vanwambeke SO, Marcantonio M. dynamAedes: a unified modelling framework for invasive Aedes mosquitoes. <i>Parasit Vectors</i> . 2022 Nov 8;15(1):414. doi: 10.1186/s13071-022-05414-4. PMID: 36348368; PMCID: PMC9641901.
124	Marini G, Pugliese A, Wint W, Alexander NS, Rizzoli A, Rosà R. Modelling the West Nile virus force of infection in the European human population. <i>One Health</i> . 2022 Nov 21;15:100462. doi: 10.1016/j.onehlt.2022.100462. PMID: 36532665; PMCID: PMC9754970
123	Montarsi F, Rosso F, Arnoldi D, Ravagnan S, Marini G, Delucchi L, Rosà R, Rizzoli A. First report of the blood-feeding pattern in Aedes koreicus, a new invasive species in Europe. <i>Sci Rep</i> . 2022 Sep 21;12(1):15751. doi: 10.1038/s41598-022-19734-z. PMID: 36130985; PMCID: PMC9492761.
122	Marini G, Arnoldi D, Inama E, Rizzoli A. Diapause characterization in the invasive alien mosquito species Aedes koreicus: a laboratory experiment. <i>Parasit Vectors</i> . 2022 Sep 6;15(1):315. doi: 10.1186/s13071-022-05376-7. PMID: 36068549; PMCID: PMC9450311.
121	Mencattelli G, Iapaolo F, Polci A, Marcacci M, Di Gennaro A, Teodori L, Curini V, Di Lollo V, Secondini B, Scialabba S, Gobbi M, Manuali E, Cammà C, Rosà R, Rizzoli A, Monaco F, Savini G. West Nile Virus Lineage 2 Overwintering in Italy. <i>Trop Med Infect Dis</i> . 2022 Jul 31;7(8):160. doi: 10.3390/tropicalmed7080160. PMID: 36006252; PMCID: PMC9414329.
120	Pichler V, Giammarioli C, Bellini R, Veronesi R, Arnoldi D, Rizzoli A, Lia RP, Otranto D, Ballardini M, Cobre P, Serini P, Della Torre A, Caputo B. First evidence of pyrethroid resistance in Italian populations of West Nile virus vector Culex pipiens. <i>Med Vet Entomol</i> . 2022 Apr 9. doi: 10.1111/mve.12573. Epub ahead of print. PMID: 35396754.
119	Bianco L, Moser M, Silverj A, Micheletti D, Lorenzin G, Collini L, Barbareschi M, Lanzafame P, Segata N, Pindo M, Franceschi P, Rota-Stabelli O, Rizzoli A, Fontana P, Donati C. On the Origin and Propagation of the COVID-19 Outbreak in the Italian Province of Trento, a Tourist Region of Northern Italy. <i>Viruses</i> . 2022 Mar 11;14(3):580. doi: 10.3390/v14030580. PMID: 35336987; PMCID: PMC8951735.
118	Mencattelli G, Ndione MHD, Rosà R, Marini G, Diagne CT, Diagne MM, Fall G, Faye O, Diallo M, Faye O, Savini G, Rizzoli A. Epidemiology of West Nile virus in Africa: An underestimated threat. <i>PLoS Negl Trop Dis</i> . 2022 Jan 10;16(1):e0010075. doi: 10.1371/journal.pntd.0010075. PMID: 35007285; PMCID: PMC8789169.
117	Mencattelli G, Iapaolo F, Monaco F, Fusco G, de Martinis C, Portanti O, Di Gennaro A, Curini V, Polci A, Berjaoui S, Di Felice E, Rosà R, Rizzoli A, Savini G. West Nile Virus Lineage 1 in Italy: Newly Introduced or a Re-Occurrence of a Previously Circulating Strain? <i>Viruses</i> . 2021 Dec 30;14(1):64. doi: 10.3390/v14010064. PMID: 35062268; PMCID: PMC8780300.
116	Tagliapietra V, Boniotti MB, Mangeli A, Karaman I, Alborali G, Chiari M, D'Incau M, Zanoni M, Rizzoli A, Pacciarini ML. <i>Mycobacterium microti</i> at the Environment and Wildlife Interface. <i>Microorganisms</i> . 2021 Oct 2;9(10):2084. doi: 10.3390/microorganisms9102084. PMID: 34683407; PMCID: PMC8539169.
115	Feuda R, Goulty M, Zadra N, Gasparetti T, Rosato E, Pisani D, Rizzoli A, Segata N, Ometto L, Stabelli OR. Phylogenomics of Opsin Genes in Diptera Reveals Lineage-Specific Events and Contrasting Evolutionary Dynamics in Anopheles and Drosophila. <i>Genome Biol Evol</i> . 2021 Aug 3;13(8):evab170. doi: 10.1093/gbe/evab170. PMID: 34270718; PMCID: PMC8369074.
114	Schneider J, Hoffmann B, Fevola C, Schmidt ML, Imholt C, Fischer S, Ecke F, Hörnfeldt B, Magnusson M, Olsson GE, Rizzoli A, Tagliapietra V, Chiari M, Reusken C, Bužan E, Kazimirova M, Stanko M, White TA, Reil D, Obiegala A, Meredith A, Drexler JF, Essbauer S, Henttonen H, Jacob J, Hauffe HC, Beer M, Heckel G, Ulrich RG. Geographical

	Distribution and Genetic Diversity of Bank Vole Hepaciviruses in Europe. <i>Viruses</i> . 2021 Jun 28;13(7):1258. doi: 10.3390/v13071258. PMID: 34203238; PMCID: PMC8310187.
113	Zadra N, Rizzoli A, Rota-Stabelli O. Chronological Incongruences between Mitochondrial and Nuclear Phylogenies of <i>Aedes</i> Mosquitoes. <i>Life (Basel)</i> . 2021 Feb 25;11(3):181. doi: 10.3390/life11030181. PMID: 33669100; PMCID: PMC7996624.
112	Pichler V, Mancini E, Micocci M, Calzetta M, Arnoldi D, Rizzoli A, Lencioni V, Paoli F, Bellini R, Veronesi R, Martini S, Drago A, De Liberato C, Ermenegildi A, Pinto J, Della Torre A, Caputo B. A Novel Allele Specific Polymerase Chain Reaction (AS-PCR) Assay to Detect the V1016G Knockdown Resistance Mutation Confirms Its Widespread Presence in <i>Aedes albopictus</i> Populations from Italy. <i>Insects</i> . 2021 Jan 17;12(1):79. doi: 10.3390/insects12010079. PMID: 33477382; PMCID: PMC7830166.
111	Marini G, Manica M, Arnoldi D, Inama E, Rosà R, Rizzoli A. Influence of Temperature on the Life-Cycle Dynamics of <i>Aedes albopictus</i> Population Established at Temperate Latitudes: A Laboratory Experiment. <i>Insects</i> . 2020 Nov 17;11(11):808. doi: 10.3390/insects11110808.
110	Grassi L, Tagliapietra V, Rizzoli A, Martini M, Drigo M, Franzo G, Menandro ML. Lack of Evidence on the Susceptibility of Ticks and Wild Rodent Species to PCV3 Infection. <i>Pathogens</i> . 2020 Aug 21;9(9):682. doi: 10.3390/pathogens9090682.
109	Monini M, Ostanello F, Dominicis A, Tagliapietra V, Vaccari G, Rizzoli A, Trombetta CM, Montomoli E, Di Bartolo I. Seroprevalence of Hepatitis E Virus in Forestry Workers from Trentino-Alto Adige Region (Northern Italy). <i>Pathogens</i> . 2020 Jul 14;9(7):568. doi: 10.3390/pathogens9070568.
108	Boccolini D, Menegon M, Di Luca M, Toma L, Severini F, Marucci G, D'Amato S, Caraglia A, Maraglino FP, Rezza G, Romi R, Gradoni L, Severini C; Italian Malaria Surveillance Group. Non-imported malaria in Italy: paradigmatic approaches and public health implications following an unusual cluster of cases in 2017. <i>BMC Public Health</i> . 2020 Jun 5;20(1):857. doi: 10.1186/s12889-020-08748-9. PMID: 32503526; PMCID: PMC7275312.
107	Tedesco R, Barbaro E, Zangrando R, Rizzoli A, Malagnini V, Gambaro A, Fontana P, Capodaglio G. Carbohydrate determination in honey samples by ion chromatography-mass spectrometry (HPAEC-MS). <i>Anal Bioanal Chem</i> . 2020 Sep;412(22):5217-5227. doi: 10.1007/s00216-020-02732-3.
106	Fevola C, Rossi C, Rosso F, Girardi M, Rosà R, Manica M, Delucchi L, Rocchini D, Garzon-Lopez CX, Arnoldi D, Bianchi A, Buzan E, Charbonnel N, Collini M, Ďureje L, Ecke F, Ferrari N, Fischer S, Gillingham EL, Hörnfeldt B, Kazimírová M, Konečný A, Maas M, Magnusson M, Miller A, Niemimaa J, Nordström Å, Obiegala A, Olsson G, Pedrini P, Piálek J, Reusken CB, Rizzolli F, Romeo C, Silaghi C, Sironen T, Stanko M, Tagliapietra V, Ulrich RG, Vapalahti O, Voutilainen L, Wauters L, Rizzoli A, Vaheri A, Jääskeläinen AJ, Henttonen H, Hauffe HC. Geographical Distribution of Ljungan Virus in Small Mammals in Europe. <i>Vector Borne Zoonotic Dis</i> . 2020 Sep;20(9):692-702. doi: 10.1089/vbz.2019.2542.
105	Ibáñez-Justicia A, Alcaraz-Hernández JD, van Lammeren R, Koenraadt CJM, Bergsma A, Delucchi L, Rizzoli A, Takken W. Habitat suitability modelling to assess the introductions of <i>Aedes albopictus</i> (Diptera: Culicidae) in the Netherlands. <i>Parasit Vectors</i> . 2020 Apr 26;13(1):217. doi: 10.1186/s13071-020-04077-3.
104	Alfano N, Tagliapietra V, Rosso F, Ziegler U, Arnoldi D, Rizzoli A. Tick-borne encephalitis foci in northeast Italy revealed by combined virus detection in ticks, serosurvey on goats and human cases. <i>Emerg Microbes Infect</i> . 2020 Feb 26;9(1):474-484. doi: 10.1080/22221751.2020.1730246.
103	Alfano N, Tagliapietra V, Rosso F, Manica M, Arnoldi D, Pindo M, Rizzoli A. Changes in Microbiota Across

	Developmental Stages of <i>Aedes koreicus</i> , an Invasive Mosquito Vector in Europe: Indications for Microbiota-Based Control Strategies. <i>Front Microbiol.</i> 2019 Dec 10;10:2832. doi: 10.3389/fmicb.2019.02832. eCollection 2019.
102	Marini G, Arnoldi D, Baldacchino F, Capelli G, Guzzetta G, Merler S, Montarsi F, Rizzoli A, Rosà R. First report of the influence of temperature on the bionomics and population dynamics of <i>Aedes koreicus</i> , a new invasive alien species in Europe. <i>Parasit Vectors.</i> 2019 Nov 6;12(1):524. doi: 10.1186/s13071-019-3772-5.
101	Rosà R, Tagliapietra V, Manica M, Arnoldi D, Hauffe HC, Rossi C, Rosso F, Henttonen H, Rizzoli A. Changes in host densities and co-feeding pattern efficiently predict tick-borne encephalitis hazard in an endemic focus in northern Italy. <i>Int J Parasitol.</i> 2019 Sep;49(10):779-787. doi: 10.1016/j.ijpara.2019.05.006.
100	Rizzoli A, Tagliapietra V, Cagnacci F, Marini G, Arnoldi D, Rosso F, Rosà R. Parasites and wildlife in a changing world: The vector-host- pathogen interaction as a learning case. <i>Int J Parasitol Parasites Wildl.</i> 2019 Jun 12;9:394-401. doi: 10.1016/j.ijppaw.2019.05.011. eCollection 2019 Aug. Review.
99	Danesi P, Falcaro C, Dukik K, Jiang Y, Rizzoli AP, Allavena R, Simpson V, Ravagnan S, Zanardello C, Capelli G, de Hoog GS. Molecular Diagnosis of Emmonsia-Like Fungi Occurring in Wild Animals. <i>Mycopathologia.</i> 2019 Jun 24. doi: 10.1007/s11046-019-00353-8. [Epub ahead of print]
98	Tagliapietra V, Arnoldi D, Di Luca M, Toma L, Rizzoli A. Investigation on potential malaria vectors (<i>Anopheles</i> spp.) in the Province of Trento, Italy. <i>Malar J.</i> 2019 Apr 29;18(1):151. doi: 10.1186/s12936-019-2785-z.
97	Rosso F, Tagliapietra V, Albanese D, Pindo M, Baldacchino F, Arnoldi D, Donati C, Rizzoli A. Reduced diversity of gut microbiota in two <i>Aedes</i> mosquitoes species in areas of recent invasion. <i>Sci Rep.</i> 2018 Oct 31;8(1):16091. doi: 10.1038/s41598-018-34640-z.
96	Marini G, Rosà R, Pugliese A, Rizzoli A, Rizzo C, Russo F, Montarsi F, Capelli G. West Nile virus transmission and human infection risk in Veneto (Italy): a modelling analysis. <i>Sci Rep.</i> 2018 Sep 18;8(1):14005. doi: 10.1038/s41598-018-32401-6.
95	Trentini F, Poletti P, Baldacchino F, Drago A, Montarsi F, Capelli G, Rizzoli A, Rosà R, Rizzo C, Merler S, Melegaro A. The containment of potential outbreaks triggered by imported Chikungunya cases in Italy: a cost utility epidemiological assessment of vector control measures. <i>Sci Rep.</i> 2018 Jun 13;8(1):9034. doi: 10.1038/s41598-018-27443-9.
94	Tagliapietra V, Rosà R, Rossi C, Rosso F, Hauffe HC, Tommasini M, Versini W, Cristallo AF, Rizzoli A. Emerging Rodent-Borne Viral Zoonoses in Trento, Italy. <i>Ecohealth.</i> 2018 Sep;15(3):695-704. doi: 10.1007/s10393-018-1335-4. Epub 2018 May 23.
93	Rosà R, Andreo V, Tagliapietra V, Baráková I, Arnoldi D, Hauffe HC, Manica M, Rosso F, Blaňarová L, Bona M, Derdáková M, Hamšíková Z, Kazimírová M, Kraljik J, Kocianová E, Mahríková L, Minichová L, Mošanský L, Slovák M, Stanko M, Špitalská E, Ducheyne E, Neteler M, Hubálek Z, Rudolf I, Venclikova K, Silaghi C, Overzier E, Farkas R, Földvári G, Hornok S, Takács N, Rizzoli A. Effect of Climate and Land Use on the Spatio-Temporal Variability of Tick-Borne Bacteria in Europe. <i>Int J Environ Res Public Health.</i> 2018 Apr 12;15(4). pii: E732. doi: 10.3390/ijerph15040732.
92	Pichler V, Bellini R, Veronesi R, Arnoldi D, Rizzoli A, Lia RP, Otranto D, Montarsi F, Carlin S, Ballardini M, Antognini E, Salvemini M, Brianti E, Gaglio G, Manica M, Cobre P, Serini P, Velo E, Vontas J, Kioulos I, Pinto J, Della Torre A, Caputo B. First evidence of resistance to pyrethroid insecticides in Italian <i>Aedes albopictus</i>

	populations 26 years after invasion. <i>Pest Manag Sci.</i> 2018 Jun;74(6):1319-1327. doi: 10.1002/ps.4840. Epub 2018 Feb 21.
91	Guzzetta G, Trentini F, Poletti P, Baldacchino FA, Montarsi F, Capelli G, Rizzoli A, Rosà R, Merler S, Melegaro A. Effectiveness and economic assessment of routine larviciding for prevention of chikungunya and dengue in temperate urban settings in Europe. <i>PLoS Negl Trop Dis.</i> 2017 Sep 11;11(9):e0005918. doi: 10.1371/journal.pntd.0005918. eCollection 2017
90	Baldacchino F, Montarsi F, Arnoldi D, Barategui C, Ferro Milone N, Da Rold G, Capelli G, Rizzoli A. 2017. A 2-yr Mosquito Survey Focusing on <i>Aedes koreicus</i> (Diptera: Culicidae) in Northern Italy and Implications for Adult Trapping. <i>Journal of Medical Entomology</i> Volume: 54 Issue: 3 Pages: 622-630 DOI: 10.1093/jme/tjw216
89	Baldacchino F, Bussola F, Arnoldi D, Marcantonio M, Montarsi F, Capelli G, Rosà R, Rizzoli A. 2017 An integrated pest control strategy against the Asian tiger mosquito in northern Italy: a case study. <i>Pest Management Science</i> Volume: 73 Issue: 1 Pages: 87-93 DOI: 10.1002/ps.4417
88	Rocchini D, Garzon-Lopez CX, Marcantonio M, Amici V, Bacaro G, Bastin L, Brummitt N, Chiarucci A, Foody GM, Hauffe HC, He KS, Ricotta C, Rizzoli A, Rosà R. 2017. Anticipating species distributions: Handling sampling effort bias under a Bayesian framework <i>Science of the Total Environment</i> Volume: 584 Pages: 282-290 DOI: 10.1016/j.scitotenv.
85	Margos G, Marosevic D, Cutler S, Derdakova M, Diuk-Wasser M, Emler S, Fish D, Gray J, Hunfeldt KP, Jaulhac B, Kahl O, Kovalev S, Kraiczy P, Lane RS, Lienhard R, Lindgren PE, Ogden NH, Ornstein K, Rupprecht T, Schwartz I, Sing A, Straubinger RK, Strle F, Voordouw M, Rizzoli A, Stevenson B, Fingerle V. Corrigendum: There is inadequate evidence to support the division of the genus <i>Borrelia</i> . 2017. <i>International journal of systematic and evolutionary microbiology</i> Volume: 67 Issue: 6 Pages: 2073 DOI: 10.1099/ijsem.0.002100
84	Hosseini PR, Mills JN, Prieur-Richard AH, Ezenwa VO, Bailly X, Rizzoli A, Suzán G, Vittecoq M, García-Peña GE, Daszak P, Guégan JF, Roche B. 2017 Does the impact of biodiversity differ between emerging and endemic pathogens? The need to separate the concepts of hazard and risk <i>Philosophical Transactions of the Royal Society B-Biological Sciences</i> Volume: 372 Issue: 1722 DOI: 10.1098/rstb.2016.0129 IF (2016)
83	Martina BE, Barzon L, Pijlman GP, de la Fuente J, Rizzoli A, Wammes LJ, Takken W, van Rij RP, Papa A. 2017 Human to human transmission of arthropod-borne pathogens <i>Current Opinion in Virology</i> Volume: 22 Pages: 13-21 Published: DOI: 10.1016/j.coviro.2016.11.005
82	Guzzetta G, Tagliapietra V, Perkins SE, Hauffe HC, Poletti P, Merler S, Rizzoli A. 2017. Population dynamics of wild rodents induce stochastic fadeouts of a zoonotic pathogen <i>Journal of Animal Ecology</i> Volume: 86 Issue: 3 Pages: 451-459 DOI: 10.1111/1365-2656
81	Rosso F, Tagliapietra V, Baráková I, Derdákova M, Konečný A, Hauffe HC, Rizzoli A. 2017. Prevalence and genetic variability of <i>Anaplasma phagocytophilum</i> in wild rodents from the Italian alps <i>Parasit Vectors.</i> 2017 Jun 14;10(1):293. doi: 10.1186/s13071-017-2221-6., DOI: 10.1186/s13071-017-2221-6
80	Marini G, Guzzetta G, Baldacchino F, Arnoldi D, Montarsi F, Capelli G, Rizzoli A, Merler S, Rosà R. 2017. the effect of interspecific competition on the temporal dynamics of <i>Aedes albopictus</i> and <i>Culex pipiens</i> <i>Source: Parasites & Vectors</i> Volume: 10 Published: DOI: 10.1186/s13071-017-2041-8
79	Margos G, Marosevic D, Cutler S, Derdakova M, Diuk-Wasser M, Emler S, Fish D, Gray J, Hunfeldt KP, Jaulhac B, Kahl O, Kovalev S, Kraiczy P, Lane RS, Lienhard R, Lindgren PE, Ogden N, Ornstein K, Rupprecht T, Schwartz I, Sing A,

	Straubinger RK, Strle F, Voordouw M, Rizzoli A, Stevenson B, Fingerle V. 2017 There is inadequate evidence to support the division of the genus <i>Borrelia</i> Source: International Journal of Systematic and Evolutionary microbiology Volume: 67 Issue DOI: 10.1099/ijsem.0.001717 DOI: 10.1099/ijsem.0.001717
78	Baldacchino F, Arnoldi D, Lapère C, Rosà R, Montarsi F, Capelli G, Rizzoli A. 2017 Weak Larval Competition Between Two Invasive Mosquitoes <i>Aedes koreicus</i> and <i>Aedes albopictus</i> (Diptera: Culicidae) Journal of medical entomology Published: 2017-Apr-28 DOI: 10.1093/jme/tjx093 IF (2016)
77	Collini M, Albonico F, Rosà R, Tagliapietra V, Arnoldi D, Conterno L, Rossi C, Mortarino M, Rizzoli A, Hauffe HC. 2016. Identification of <i>Ixodes ricinus</i> blood meals using an automated protocol with high resolution melting analysis (HRMA) reveals the importance of domestic dogs as larval tick hosts in Italian alpine forests. Parasites & Vectors Volume: 9 DOI: 10.1186/s13071-016-1901-y
76	Guzzetta G, Poletti P, Montarsi F, Baldacchino F, Capelli G, Rizzoli A, Rosà R, Merler S. 2017 <u>Assessing the potential risk of Zika virus epidemics in temperate areas with established <i>Aedes albopictus</i> populations</u> 2016 Eurosurveillance Volume: 21 Issue: 15 Pages: 5-10 Published: APR 14 2016 DOI: 10.2807/1560-7917.ES.2016.21.15.30199
75	Moustafa, Mohamed Abdallah Mohamed; Taylor, Kyle; Nakao, Ryo; et al. Dynamics, co-infections and characteristics of zoonotic tick-borne pathogens in Hokkaido small mammals, Japan. Ticks and tick-borne diseases Volume: 7 Issue: 5 Pages: 922-8 Published: 2016-Jul
74	Carpi G, Kitchen A, Kim HL, Ratan A, Drautz-Moses DI, McGraw JJ, Kazimirova M, Rizzoli A, Schuster SC. 2016 <u>Mitogenomes reveal diversity of the European Lyme borreliosis vector <i>Ixodes ricinus</i> in Italy</u> . Molecular Phylogenetics and Evolution Volume 101 pages 194-202 DOI: 10.1016/j.ympev.2016.05.009
73	Guzzetta, Giorgio; Montarsi, Fabrizio; Baldacchino, Frederic Alexandre; et al. Potential Risk of Dengue and Chikungunya Outbreaks in Northern Italy Based on a Population Model of <i>Aedes albopictus</i> (Diptera: Culicidae). PLoS neglected tropical diseases Volume: 10 Issue: 6 Pages: e0004762 Published: 2016-Jun
72	Marcantonio M, Metz M, Baldacchino F, Arnoldi D, Montarsi F, Capelli G, Carlin S, Neteler M, Rizzoli A. First assessment of potential distribution and dispersal capacity of the emerging invasive mosquito <i>Aedes koreicus</i> in Northeast Italy. Parasit Vectors. 2016 Feb 3;9(1):63. doi: 10.1186/s13071-016-1340-9.
71	Di Luca M., Toma L., Boccolini D., Severini L., La Rosa G., Minelli G., Bongiorno G., Montarsi F., Arnoldi D., Capelli G., Rizzoli A., Romi R. Ecological distribution and Cq11 genetic structure of <i>Culex pipiens</i> complex (Diptera: Culicidae) In Italy. Plos One PLoS One. 2016 Jan 7;11(1):e0146476. doi: 10.1371/journal.pone.0146476. eCollection 2016.
70	Vayssier-Taussat M, Kazimirova M, Hubalek Z, Hornok S, Farkas R, Cosson JF, Bonnet S, Vourch G, Gasqui P, Mihalca AD, Plantard O, Silaghi C, Cutler S, Rizzoli A. Emerging horizons for tick-borne pathogens: from the "one pathogen-one disease" vision to the pathobiome paradigm. Future microbiology Future Microbiol. 2015 Dec;10:2033-43. doi: 10.2217/fmb.15.114. Epub 2015 Nov 19
69	Montarsi F, Drago A., Martini S., Calzolari M., De Filippo F., Mazzucato M., Ciocchetta S., Arnoldi D, Baldacchino F., Rizzoli A., Capelli G. Current distribution of the invasive mosquito species, <i>Aedes koreicus</i> [<i>Hulecoeteomyia koreica</i>] in northern Italy Parasites & Vectors, 2015 Dec 1;8(1):614. doi: 10.1186/s13071-015-1208-4.
68	Danesi P, Da Rold G, Rizzoli A., Hauffe H.C., Marangon S., Samerpitak F.G., Demanche C., Guillot J., Capelli G., De Hoog G. Barcoding markers for <i>Pneumocystis</i> species in wildlife, Fungal Biology (2015), http://dx.doi.org/10.1016/j.funbio.2015.08.019

67	Ezenwa V., Prieur-Richard A-H, Roche B, Becquart P, Bailly X, García-Peña G, Hosseini P, Keesing F, Rizzoli A, Suzán G, Vignuzzi M, Vittecoq M, Mills J and Guégan JF. Interdisciplinarity and infectious diseases: an Ebola case study. <i>PLoS Pathog.</i> 2015 Aug 6;11(8):e1004992. doi: 10.1371/journal.ppat.1004992. eCollection 2015 Aug.
66	Rizzoli A, Tagliapietra V, Rosà R, Hauffe HC, Marini G, Voutilainen L, Sironen T, Rossi C, Arnoldi D, Henttonen H. Recent increase in prevalence of antibodies to Dobrava-Belgrade virus (DOBV) in yellow-necked mice in northern Italy. <i>Epidemiol Infect.</i> 2015 Jul;143(10):2241-4. doi: 10.1017/S0950268814003525.
65	Baldacchino F, Caputo B, Chandre F, Drago A, Della Torre A, Montarsi F, Rizzoli A. Control methods against invasive <i>Aedes</i> mosquitoes in Europe: a review. <i>Pest Manag Sci.</i> 2015 May 21. doi: 10.1002/ps.4044.
64	Rizzoli A., Bolzoni L., Chadwick E, Capelli G., Montarsi F., Grisenti M., Martínez de la Puente J., Muñoz J., Figuerola J., Soriguer R., Anfora G., Di Luca M., Rosa R. (2015). Understanding West Nile virus ecology in Europe: <i>Culex pipiens</i> host feeding preference in a hotspot of virus emergence. <i>Parasit Vectors.</i> 2015 Apr 9;8(1):213.
63	Rizzoli A, Jimenez-Clavero MA, Barzon L, Cordioli P, Figuerola J, Koraka P, Martina B, Moreno A, Nowotny N, Pardigon N, Sanders N, Ulbert S, Tenorio A (2015). The challenge of West Nile virus in Europe: knowledge gaps and research priorities. <i>Euro Surveill, Euro Surveill.</i> 2015 May 21;20(20). pii: 21135.
62	Marcantonio M., Rizzoli A., Metz M., Rosà R., Marini G., Chadwick E.A., Neteler N. Identifying the environmental conditions favouring West Nile virus outbreaks in Europe. <i>PloS One.</i> 2015 Mar 24;10(3):e0121158. doi: 10.1371/journal.pone.0121158.
61	Martínez-de la Puente J., Muñoz J., Capelli G., Montarsi F., Soriguer R., Arnoldi D., Rizzoli A., Figuerola J., Avian malaria parasites in the last supper: identifying encounters between parasites and the invasive Asian mosquito tiger and native mosquito species in Italy. <i>Malaria Journal</i> 2015, 14:32 doi:10.1186/s12936-015-0571-0
60	Suzan G., García-Peña G., Castro-Arellano I, Rico O., Rubio A., Tolsá M., Roche B., Hosseini P., Rizzoli. A., Murray K., Zambrana-Torrel C., Aguirre A., Daszak P., Prieur-Richard A., Mills J., Guégan J.F., Vittecoq M., Bailly X. Metacommunity and phylogenetic structure determine wildlife and zoonotic infectious disease patterns in time and space (2015). <i>Ecology and Evolution</i> , 5(4), 865-873 DOI: 10.1002/ece3.1404
59	Rocchini, D., Andreo, V., Förster, M., Garzon-Lopez, C.X., Gutierrez, A.P., Gillespie, T.W., Hauffe, H.C., He, K.S., Kleinschmit, B., Mairota, P., Marcantonio, M., Metz, M., Nagendra, H., Pareeth, S., Ponti, L., Ricotta, C., Rizzoli, A., Schaab, G., Zebisch, M., Zorer, R., Neteler, M. (2015). Potential of remote sensing to predict species invasions - a modeling perspective. <i>Progress in Physical Geography</i> , accepted, in press
58	Rizzoli A, Silaghi C, Obiegala A, Rudolf I, Hubálek Z, Földvári G, Plantard O, Vayssier-Taussat M, Bonnet S, Spitalská E, Kazimírová M. <i>Ixodes ricinus</i> and Its Transmitted Pathogens in Urban and Peri-Urban Areas in Europe: New Hazards and Relevance for Public Health. <i>Front Public Health.</i> 2014 Dec 1;2:251. doi: 10.3389/fpubh.2014.00251. eCollection 2014. Review.
57	Ferreri L, Giacobini M, Bajardi P, Bertolotti L, Bolzoni L, Tagliapietra V, Rizzoli A, Rosà R Pattern of tick aggregation on mice: larger than expected distribution tail enhances the spread of tick-borne pathogens. <i>PLoS Comput Biol.</i> 2014 Nov 13;10(11):e1003931. doi: 10.1371/journal.pcbi.1003931. eCollection 2014 Nov.
56	Grisenti M, Vázquez A, Herrero L, Cuevas L, Perez-Pastrana E, Arnoldi D, Rosà R, Capelli G, Tenorio A, Sánchez-Seco

	MP, Rizzoli A. Wide detection of Aedes flavivirus in north-eastern Italy, a European hot-spot of emerging mosquito-borne diseases. <i>J Gen Virol.</i> 2015, 96: 420-430. doi: 10.1099/vir.0.069625-0
55	Rosà R., Marini G., Bolzoni L., Neteler M., Metz M., Delucchi L., Chadiwck E., Balbo L. Mosca A., Giacobini M., Bertolotti L., Rizzoli A. Early warning of West Nile virus mosquito vector: climate and land use models successfully explain phenology and abundance of Culex pipiens mosquitoes in north-western Italy. <i>Parasites & Vectors</i> 2014 Jun 12;7(1):269. doi: 10.1186/1756-3305-7-269.
54	Baráková I, Derdákova M, Carpi G, Rosso F, Collini M, Tagliapietra V, Ramponi C, Hauffe HC, Rizzoli A. 2014 Genetic and Ecologic Variability among Anaplasma phagocytophilum Strains, Northern Italy. <i>Emerg. Infect Dis.</i> 2014 Jun;20(6):1082-4. doi: 10.3201/eid2006.131023.
53	Andreo V, Neteler M, Rocchini D, Provencal C, Levis S, Porcasi X, Rizzoli A, Lanfri M, Scavuzzo M, Pini N, Enria D, Polop J. Estimating Hantavirus Risk in Southern Argentina: A GIS-Based Approach Combining Human Cases and Host Distribution. <i>Viruses.</i> 2014 Jan 14;6(1):201-22. doi: 10.3390/v6010201
52	Neteler M, Metz M, Rocchini D, Rizzoli A, Flacio E, Engeler L, Guidi V, Lüthy P, Tonolla M. 2013. Is Switzerland Suitable for the Invasion of Aedes albopictus? <i>PLoS One.</i> 2013 Dec 13;8(12):e82090. doi
51	Grisenti M, Arnoldi D, Rizzoli F, Giacobini M, Bertolotti L, Rizzoli A. 2013. Lack of identification of Flaviviruses in oral and cloacal swabs from long- and short-distance migratory birds in Trentino-Alto Adige (North-eastern Italy). <i>Virol J.</i> 2013 Oct 11;10:306. doi: 10.1186/1743-422X-10-306.
50	Medlock JM, Hansford KM, Bormane A, Derdakova M, Estrada-Peña A, George JC, Golovljova I, Jaenson TG, Jensen JK, Jensen PM, Kazimirova M, Oteo JA, Papa A, Pfister K, Plantard O, Randolph SE, Rizzoli A, Santos-Silva MM, Sprong H, Vial L, Hendrickx G, Zeller H, Van Bortel W. Driving forces for changes in geographical distribution of Ixodes ricinus ticks in Europe. <i>Parasit Vectors.</i> 2013 Jan 2;6:1. doi: 10.1186/1756-3305-6-1.
49	Roiz, D , Vazquez, A ; Rosso, F ; Arnoldi, D ; Girardi, M ; Cuevas, L ; Perez-Pastrana, E ; Sanchez-Seco, MP ; Tenorio, A ; Rizzoli, A 2012 Detection of a new insect flavivirus and isolation of Aedes flavivirus in Northern Italy <i>Parasites & Vectors</i> Published: OCT 8 2012
48	Roiz D., Vazquez A., Rosà R., Munoz J., Arnoldi D., Rosso F., Figuerola J., Tenorio A., Rizzoli A. 2012. Blood meal analysis, flavivirus screening, and influence of meteorological variables on the dynamics of potential mosquito vectors of West Nile virus in northern Italy. <i>Journal of Vector Ecology</i> Volume: 37 Issue: 1 Pages: 20-28 Published: 2012
47	Cagnacci F., Bolzoni L., Rosà R., Carpi G., Hauffe H.C., Valent M., Tagliapietre V., Kazimirova M., Koci J., Stanko M., Lukan M., Henttonen H. and Rizzoli A. 2012. Effect of deer density on tick infestation of rodents and the hazard of tick-borne encephalitis. Part I: empirical assessment. <i>International Journal for Parasitology</i> 42(2012) 365-372
46	Bolzoni L., Rosà R., Cagnacci F. and Rizzoli A. 2012 Effect of deer density on tick infestation of rodents and the hazard of tick-borne encephalitis. Part II: population and infection models. <i>International Journal for Parasitology</i> 42(2012) 373-381
45	Carpi G., Cagnacci F., Wittekindt NE, Zaho F, Qi J, Tomsho LP., Drautz D., Rizzoli A., Schuster S. 2011. Metagenomic Profile of the Bacterial Communities Associated with Ixodes ricinus Ticks. <i>PLoS ONE</i> 6(10): e25604. doi:10.1371/journal.pone.0025604

44	Markus Neteler, David Roiz, Duccio Rocchini, Cristina Castellani and Annapaola Rizzoli. 2011. Terra and Aqua satellites track tiger mosquito invasion: modelling the potential distribution of <i>Aedes albopictus</i> in north-eastern Italy. <i>International Journal of Health Geographics</i> , 10:49
43	Tagliapietra, V., R. Rosà, D. Arnoldi, F. Cagnacci, G. Capelli, F. Montarsi, H.C. Hauffe, A. Rizzoli. 2011. Saturation deficit and deer density affect questing activity and local abundance of <i>Ixodes ricinus</i> (Acari, Ixodidae) in Italy. <i>Vet. Parasitol.</i> doi:10.1016/j.vetpar.2011.07.022
42	Roiz, D., Neteler, M., Castellani, C., Arnoldi, D., & Rizzoli, A. Climatic factors driving invasion of the tiger mosquito (<i>Aedes albopictus</i>) into new areas of Trentino, Northern Italy. <i>PLoS ONE</i> , 2011, 6(4), 14800
41	Rizzoli, A., Hauffe H.C., Carpi, G., Vourc'h G.I., Neteler, M., & Rosà, R. (2011). Lyme borreliosis in Europe. <i>Eurosurveillance</i> , 16(27), 19906.
40	R. Rosà, L. Bolzoni, F. Rosso, A. Pugliese, P. J. Hudson and A. Rizzoli. Effect of <i>Ascaridia compar</i> infection on rock partridge population dynamics: empirical and theoretical investigations. <i>Oikos</i> 001–011, 2011 doi: 10.1111/j.1600-0706.2011.19213.x
39	Luong LT, Perkins SE, Grear DA, Rizzoli A, Hudson PJ. The relative importance of host characteristics and co-infection in generating variation in <i>Heligmosomoides polygyrus</i> fecundity. <i>Parasitology</i> . 2010 Jan 29:1-10.
38	Hauffe HC, Niklasson B, Olsson T, Bianchi A, Rizzoli A, Klitz W. Ljung virus detected in bank voles (<i>Myodes glareolus</i>) and yellow-necked mice (<i>Apodemus flavicollis</i>) from Northern Italy. <i>J Wildl Dis</i> . 2010 Jan;46(1):262-6.
37	Roiz D, Rosà R, Arnoldi D, Rizzoli A. Effects of Temperature and Rainfall on the Activity and Dynamics of Host-Seeking <i>Aedes albopictus</i> Females in Northern Italy. <i>Vector Borne Zoonotic Dis</i> . 2010 Jan 8.
36	Sarah E. Randolph, Pedro Anda, Tatjana Avsic-Zupanc, Antra Bormane, László Egyed, Emőke Ferenczi, Ana L. García-Pérez, Lise Gern, Zdenek Hubalek, Maria Kazimirova, Maceij Kondrusik, Kurt Pfister, Annapaola Rizzoli, Veera Vasilenko, Alexandru Vladimirescu, Milda Žygtiene. Human activities predominate in determining changing incidence of tick-borne encephalitis in Europe. <i>Euro surveillance: bulletin europeen sur les maladies transmissibles. European communicable disease bulletin</i> 07/2010; 15(27):pii=19606.
35	Roiz D, Vazquez A., Sánchez Seco M., Tenorio A., Rizzoli A., 2009. Detection of novel insect flavivirus sequences integrated in <i>Aedes albopictus</i> (Diptera: Culicidae) in Northern Italy. <i>Virology Journal</i> , 6:93
34	Carpi G, Bertolotti L, Rosati S, Rizzoli A. 2009. Prevalence and genetic variability of tick-borne encephalitis virus in host-seeking <i>Ixodes ricinus</i> in northern Italy. <i>J Gen Virol</i> . 2009 Aug 12. [Epub ahead of print] PMID: 19675189
33	Tagliapietra V, Rosà R, Hauffe HC, Laakkonen J, Voutilainen L, Vapalahti O, Vaheri A., Henttonen H., Rizzoli A. 2009. Spatial and temporal dynamics of lymphocytic choriomeningitis virus in wild rodents, northern Italy. <i>Emerg Infect Dis</i> .Jul. Available from http://www.cdc.gov/EID/content/15/7/1019.htm
32	Carpi G, Bertolotti L, Pecchioli E, Cagnacci F., Rizzoli A. 2009. <i>Anaplasma phagocytophilum</i> groEL Gene Heterogeneity in <i>Ixodes ricinus</i> Larvae Feeding on Roe Deer in Northeastern Italy. <i>Vector-Borne And Zoonotic Diseases</i> , 9: 179-184

31	Tioli S, Cagnacci F, Stradiotto A, Rizzoli A. 2009. Edge Effect on Density Estimates of a Radiotracked Population of Yellow-Necked Mice. <i>Journal of Wildlife Management</i> , 73:184-190
30	Stradiotto A., Cagnacci F., Delahay R., Tioli S., Nieder L. and Rizzoli A., 2009. Spatial Organization of the Yellow-Necked Mouse: Effects of Density and Resource Availability. <i>Journal of Mammalogy</i> , 90(3):704-714. 2009
29	Ferrari N, Cattadori IM, Rizzoli A, Hudson P.J. 2009. <i>Heligmosomoides polygyrus</i> reduces infestation of <i>Ixodes ricinus</i> in free-living yellow-necked mice, <i>Apodemus flavicollis</i> . <i>Parasitology</i> 136:305-316
28	Rizzoli A., Hauffe H., Tagliapietra V., Neteler M. and Rosà R. 2009. Forest structure and roe deer abundance predict Tick-borne encephalitis risk in Italy. <i>Plos ONE</i> 4(2) E4336
27	Rizzoli A. Climate change. Direct and indirect impact on the upsurge of tick borne encephalitis (TBE) in Italy. <i>IOP Conf. Ser.: Earth Environ. Sci.</i> 6 142028 doi:10.1088/1755-1307/6/14/142028 1755-1315
26	Carpi G., Cagnacci F., Neteler M., Rizzoli A. 2008. Tick infestation on roe deer in relation to geographic and remotely sensed climatic variables in a tick-borne encephalitis endemic area. <i>Epidemiology and Infection</i> . 136 1416-1424
25	Vernesi C, Bruford MW, Bertorelle G, Pecchioli E., Rizzoli A., Hauffe HC. 2008. Where's the conservation in conservation genetics? <i>Conservation biology</i> 22: 802-804
24	Rizzoli A., Rosà R., Rosso F., Buckley A and Gould EA. 2007. West Nile virus circulation detected in northern Italy in sentinel chickens. <i>Vector-Borne and Zoonotic Diseases</i> 7(3): 411-.417
23	Rosà R., Pugliese A., Ghosh M., Perkins S.E. and Rizzoli A. 2007. Temporal variation of <i>Ixodes ricinus</i> intensity on the rodent host <i>Apodemus flavicollis</i> in relation to local climate and host dynamics. <i>Vector-Borne and Zoonotic Diseases</i> 7(3): 285-295
22	Rizzoli A., Neteler M., Rosà R., Versini W., Cristofolini A., Bregoli M., Buckley A and Gould E. A. 2007 Early detection of tick-borne encephalitis virus spatial distribution and activity in the province of Trento, northern Italy. <i>Geospatial Health</i> 2:169-176
21	Pecchioli E., Hauffe H.C., Tagliapietra V., Bandi C., Genchi C. and Rizzoli A. 2006 Genospecies of <i>Borrelia burgdorferi</i> sensu lato in <i>Ixodes ricinus</i> ticks from the Autonomus Province of Trento, Italy. <i>International Journal of Medical Microbiology</i> 297: 53-59.
20	Mantelli B., Pecchioli E., Hauffe H.C., Rosà R. and Rizzoli A. 2006. Prevalence of <i>Borrelia burgdorferi</i> s.l. and <i>Anaplasma phagocytophilum</i> in the wood tick <i>Ixodes ricinus</i> in the Province of Trento, Italy. <i>European Journal of Clinical Microbiology & Infectious Diseases</i> , 25:737-739
19	Beninati T., Piccolo G., Rizzoli A., Genchi C. and Bandi C., 2006. Anaplasmatataceae in wild rodents and roe deer from Trento Province (northern Italy). <i>European Journal of Clinical Microbiology & Infectious Diseases</i> , 25: 677-678
18	Perkins S., Cattadori A., Tagliapietra V. Rizzoli A., Hudson PJ, 2006. Localised deer absence leads to loss of the dilution effect and tick amplification. <i>Ecology</i> , 87(8), 1981–1986

17	H. Kallio-Kokko, J. Laakkonen, A. Rizzoli, V. Tagliapietra, I. Cattadori, S. Perkins, P.J. Hudson, A. Cristofolini, W. Versini, O. Vapalahti, A. Vaheri, and H. Henttonen. 2006. Hanta- and arenavirus antibody prevalence in rodents and humans in Trentino, Northern Italy. <i>Epidemiology & Infection</i> , 134(4):830-6
16	Rizzoli A., R. Rosà, B. Mantelli, E. Pecchioli, H. Hauffe, V. Tagliapietra, T. Beninati, M. Neteler e C. Genchi. 2004. <i>Ixodes ricinus</i> , transmitted diseases and reservoirs. <i>Parassitologia</i> , 46:119-122.
15	Ferrari N, Cattadori I.M., Nespereira J, Rizzoli A and P.J. Hudson. 2004. The role of host sex in parasite dynamics: field experiments on the yellow necked mouse <i>Apodemus flavicollis</i> . <i>Ecology Letters</i> 6
14	Perkins S.E., Cattadori I.M., Tagliapietra V., Rizzoli A., Hudson P.J., 2003. Evidence for functional groups in disease transmission, <i>Int. J. Parasitology</i> 33: 909-917
13	Beninati T., Lo N., Noda H, Esposito F., Rizzoli A., Favia G., and Genchi C. 2003. First detection of spotted fever group rickettsiae in <i>Ixodes ricinus</i> from Italy. <i>Emerging infectious diseases</i> 8: 983-987
12	Rosà R., Rizzoli A., Pugliese A. and Genchi C. 2003. Mathematical models and wildlife diseases: techniques of parameters estimation for nematode infections. <i>Journal of Mountain Ecology</i> 7: 99-106.
11	Rosà R., A. Pugliese, A. Villani and A. Rizzoli. 2003. Individual-based vs. deterministic models for macroparasites: host cycles and extinction. <i>Theoretical Population Biology</i> , 63:295-307
10	Rizzoli A., Merler S., Furlanello C., and Genchi C. 2002. Geographical Information System and Bootstrap Aggregation (Bagging) of Tree-Based Classifiers for Lyme Disease Risk prediction in Trentino, Italian Alps. <i>Journal of Medical Entomology</i> 39:485-493
9	Rosso F., Manfredi M.T., Ferrari N., Scalet G. e Rizzoli A. 2002 Nematode infections in <i>Apodemus</i> spp and <i>Clethrionomys glareolus</i> (Schreber, 1780) from Trentino (Italian Alps). <i>Parassitologia</i> 44: 163
8	Hudson P.J., Rizzoli A., Rosà R., Chemini C., Jones L.D. and Gould E.A. 2001. Tick-borne encephalitis virus in northern Italy: molecular analysis, relationships with density and seasonal dynamics of <i>I. ricinus</i> . <i>Medical and Veterinary Entomology</i> 15:304-313
7	Rosà R., A. Rizzoli, A. Pugliese and C. Genchi. Managing chamois (<i>Rupicapra rupicapra</i> L.) populations: a model with macroparasites infection and host dynamics 2000. <i>Hystrix</i> 11: 69-80
6	Rizzoli A., M.T. Manfredi, F. Rosso, R. Rosà, I.M. Cattadori, and P.J. Hudson. 1999. Intensity of nematode infection in cyclic and non cyclic rock partridge (<i>Alectoris graeca saxatilis</i>) populations. <i>Parassitologia</i> 41:561-565
5	Cattadori I.M., Hudson P.J., Merler S. and Rizzoli A. 1999. Synchrony, scale and temporal dynamics of rock partridge (<i>Alectoris graeca saxatilis</i>) population in the Dolomites. <i>Journal of Animal Ecology</i> 68:540-549
4	Furlanello C., Merler S., Rizzoli A., Chemini C., Genchi C. 1999. Bagging as a predictive method for landscape epidemiology of Lyme disease. <i>G. Ital. Cardiol. Suppl</i> 5. 143-147
3	Furlanello C., Merler S., Chemini C., Rizzoli A., 1998. 'An Application of the Bootstrap 632+ Rule to Ecological Data', in Marinaro M. and Tagliaferri R. (eds) <i>Neural Nets WIRN-97</i> , MIT Press.

2	Rizzoli A., M. T. Manfredi, F. Rosso, R. Rosà, I. Cattadori and P. J. Hudson. 1997. A survey to identify the important macroparasites of rock partridge (<i>Alectoris graeca saxatilis</i>) in Trentino. <i>Parassitologia</i> , 39: 331-334.
1	Chemini C., Rizzoli A., Merler S., Furlanello and C. Genchi. 1997. <i>Ixodes ricinus</i> (Acari: Ixodidae) infestation on roe deer (<i>Capreolus capreolus</i>) in Trentino, Italian Alps. <i>Parassitologia</i> 39: 59-63

Books and books chapters

Rizzoli A., Marini G., R. Rosà. 2023. Epidemiologia. In *Parassitologia generale e umana* (Pozio E., Bruschi eds.) Casa Editrice Ambrosiana

Rizzoli A. 2021. Changes expected in *Ixodes ricinus* temporal and spatial distribution in Europe. In *Climate, ticks and diseases* (Edited by Pat Nuttall). CABI Climate change series.

Krasnov B & Rizzoli A. 2013. Population dynamics of ectoparasites of terrestrial hosts. In *The Balance of Nature and Human Impact* (Edited by Klaus Rohde) Cambridge University Press 978-1-107-01961-4

Bertorelle G., Bruford M.W., Hauffe H.C., Rizzoli A and Vernesi C (EDS). 2009. *Population Genetics for Animal Conservation*. Cambridge University Press

Rosà R., Rizzoli A., Ferrari N. and Pugliese A. 2006. Models for host-macroparasite interactions in micromammals. In: Morand S, Krasnov B.R., Poulin R. (eds)

Micromammals and Macroparasites - From Evolutionary Ecology to Management. Springer-Verlag Tokio, pp. 319-348

Rizzoli A., R. Rosà and C. Genchi. 2004. Epidemiologia. In *Parassitologia generale e umana* (Genchi C. and Pozio E., eds.) pp. 29-52. Casa Editrice Ambrosiana

Hudson P. J., Rizzoli A., Grenfell B.T., Hesterbeek H., Dobson A.P (EDS). 2002. *The Ecology of Wildlife Diseases*. Oxford University Press

Rizzoli A., Zaffaroni E., Fraquelli C., Genchi C. e Manfredi M.T., 1994. La gestione faunistica nel Parco Naturale Adamello Brenta: monitoraggio sullo stato sanitario degli ungulati selvatici. *Documenti Parco Adamello-Brenta*, n. 3

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