



BEATRICE CASINI

BIOMEDICAL SCIENTIST IN HYGIENE AND EPIDEMIOLOGY, MICROBIOLOGY AND VIROLOGY

Place of birth	MONTALCINO (SIENA), ITALY
Date of birth	20TH JANUARY 1968
Gender	Female
Citizenship	ITALIAN

POSITIONS AND RELATED WORK EXPERIENCE

November 2017- Present Employment	Associate Professor in General and Applied Hygiene (MED/42) at University of Pisa, Dep. Translational Research, N.T.M.S. (Pisa, Italy).
January 2006 – October 2017	Assistant professor (Postgraduate Researcher) in General and Applied Hygiene (MED/42) at University of Pisa, Dep. Translational Research, N.T.M.S. (Pisa, Italy). Role of Health Manager at Azienda Ospedaliera-Universitaria Pisana, Unit of Hospital Hygiene and Epidemiology. (Pisa, Italy).
August 2001 – August 2005	Research Fellow funded by the “Istituto Superiore per la Prevenzione e la Sicurezza del Lavoro” Ministry of Health and Dep. Experimental Pathology, University of Pisa, “Development of analytical methods for the detection of viruses in environmental matrices: application to the workplace risk assessment” (Pisa, Italy).
October 1996 – February 2000	Trainee in Medical Microbiology and Virology (1 st , 2 nd , and 3 rd academic year) c/o the Hospital “Azienda-Ospedaliero Universitaria Pisana” (Pisa, Italy) and Research Fellow funded by the Dep. Experimental Pathology, University of Pisa, “Assessing airborne biological hazard from urban wastewater treatment”
March 2000 – December 2000	Head of the research project "Young researchers", funded by MURST (Ministry of Education, University and Research), entitled "Development of molecular techniques for the detection of Norwalk virus in the mineral water".

EDUCATION

23 October 2000	Diploma of Specialist in Microbiology and Virology (4 academic years - 3 rd level Italian degree) Faculty of Medicine - University of Pisa (ITALY) Thesis: “Molecular biology applied to the virological quality control of mineral waters”. Supervisor Prof. Mario Campa
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4 November 1993

Summa *cum laude* Degree in Biology (5 academic years - 1st and 2nd level Italian degree, MSc)

Faculty of Sciences - University of Pisa (ITALY) Thesis: "Rubella: epidemic and infection during pregnancy in a population with a known vaccine coverage and immune status". Supervisor Prof. Annalaura Carducci

LANGUAGE SKILLS

	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
English	Independent user	Independent user	Independent user	Independent user	Independent user

TEACHING ACTIVITY

2001-2005: TEACHING ASSISTANT of General and Applied Hygiene, Faculty of Sciences, University of Pisa

2005-present: REGULAR TEACHING of General and Applied Hygiene, Faculty of Medicine (School of Medicine), University of Pisa:

- Bachelor Degree in Nursing Science.
- Master Degree in Health Care Prevention Sciences
- Master Degree in Diagnostic Techniques.
- Bachelor Degree in Techniques of Medical Radiology, for Imaging and Radiotherapy
- Bachelor Degree in Environment and Workplace Prevention Techniques.
- Bachelor Degree in Dental Hygienist
- Master Degree in Medicine and Surgery – MD, School of Medicine, University of Pisa (2015-2018, co-docent with Prof. G. Privitera).
- Bachelor Degree in Physiotherapy
- Bachelor Degree in Speech Therapy
- Bachelor Degree in Psychiatric Rehabilitation Technique
- Bachelor Degree in Neurotherapy and Psychomotricity of the Evolutive Age

2005-present: REGULAR TEACHING of General and Applied Hygiene, Department of Pharmacy, University of Pisa:

- Bachelor Degree in Herbal Techniques
- Master Degree in Pharmacy

ATTENDANCE TO ADVANCED COURSES

- "Basic Real Time PCR training, on ABI Prism 7300", Roma 16-17 November 2006.
- "The Pallcheck TM rapid microbiology system and rapid microbiology applications", Pall Life Sciences, Pisa 28-30 January 2008.
- "Basic Real Time PCR training, on CFX Connect Real-Time PCR Detection System (Bio-Rad)", Pisa 13-14 February 2012.

SCIENTIFIC AND ORGANIZING COMMITTEE OF TRAINING COURSES

- Pisa, June 6-17 June, 2003: UNIVERSITY OF PISA. Coordination "Viruses in risk assessment and HACCP, virological analysis techniques applied to different environmental matrices: water, aerosols, surfaces and food"
- Pisa, 12 June 2015: AZIENDA OSPEDALIERO-UNIVERSITARIA PISANA "The integrated and multidisciplinary approach to water risk management in healthcare facilities"
- Pisa, 25-29 September 2016: AZIENDA OSPEDALIERO-UNIVERSITARIA PISANA "Health waste and its proper disposal".

- Pisa, 5 September 2018: AZIENDA OSPEDALIERO-UNIVERSITARIA PISANA "The reprocessing of thermolabile flexible endoscopes".

RESEARCH ACTIVITY

The research activity is documented by 240 publications, of which 100 works in extenso (73 in international journals and 27 in national journals), 3 book chapters, 3 monographs, 148 contributions in national and international congresses (14 Proceedings, 53 contributions in international congresses, 62 contributions in national congresses, 2 contributions in acts of international congresses, 17 contributions in acts of national congresses).

She currently has an h-index of 16 and received more than 912 citations.

RESEARCH ACTIVITIES:

- *Epidemiology of infectious diseases*: In 1991, Beatrice Casini joined Prof. Annalaura Carducci group at the Department Experimental Pathology of the University of Pisa for the preparation of her Master Degree thesis in Biological Sciences. An epidemiological study was conducted to study the efficacy of vaccine prophylaxis in women of childbearing age. In the context of the evaluation of vaccination strategies, both in terms of efficacy and cost-benefit analysis, mathematical models were formulated and validated for the simulation of preventive interventions against prevalent infectious diseases. As student of the Postgraduate Training Program in Medical Microbiology, a survey was conducted on the health and living conditions of the university students, with particular regard to lifestyles and factors favoring the spread of infectious diseases.
- *Healthcare-associated infections (HAI)*: As part of the research activity conducted for the O.U. of Hygiene and Epidemiology and as a research activity in collaboration with SITI-GISIO Working Group and the SIMPIOS Disinfection Working Group, her work was aimed to the molecular epidemiology of microorganisms involved in HAI and the validation of control practices. She currently works in the prevention, diagnosis and treatment of infections associated with the use of medical devices.
- *Control of water risks*: In order to study the microbial contamination of water, with particular reference to that of viral origin, methods were developed and applied for the analysis of mineral, drinking, bathing and waste water. The applicability of risk analysis models proposed by World Health Organization Guidelines was assessed. Currently, her research is aimed at evaluating strategies to control microbial colonization of water systems in healthcare structures.
- *Occupational risk*: she worked on assessing airborne biological hazard from urban wastewater treatment, in order to evaluate the effectiveness of control measures. She studied the water contamination of the evaporative cooling tower to detect the dispersion of microbial aerosols and evaluate the exposure of workers before and after the application of disinfection treatments. She also studied the viral contamination on surfaces of healthcare settings and the presence of risk indicators. Moreover, she worked on the study of innovative methodologies for assessing workers' exposure to biological and chemical agents deriving from production activities related to waste disposal.
- *Health communication*: she studied the quality of communication produced by mass media on health issues, participating in the activity conducted by the Observatory of Health Communication of the University of Pisa. She is currently involved in the activity of the Interdepartmental Research Center in Health Promotion and Information Technology (ProSIT), University of Pisa.
- *Environment and health*: She has participated as Researcher full time in the research activity of the European Project "Monitoring air pollution effects on children for supporting public health policy", aimed at assessing the dose-effect relationship between exposure to environmental pollutants and early biological effects in the youth population and in the implementation of communication tools used to increase the level of knowledge. She also carried out scientific consulting activities in the assessment of potential environmental risks in buildings intended for the public use.

COLLABORATIONS

- Participant in the activity of the "GISIO" WORKING GROUP (Italian Group of Hospital Hospitals) of the Italian Society of Hygiene, Preventive Medicine and Public Health (SITI).
- Participation in the activity of the "DISINFECTION" WORKING GROUP of the Italian Multidisciplinary Society for the Prevention of Infections in Health Organizations (SIMPIOS).
- Participation in the activity of the "LEGIONELLA" WORKING GROUP of the Italian Multidisciplinary Society for the Prevention of Infections in Health Organizations (SIMPIOS).
- Participant in the activities of the ESGLI Working Group "Study Group for Legionella Infections" of the European Society of Clinical Microbiology and Infectious Diseases (ESCMID).
- Participant in the activities of the Networking "LIFE KTE EnvHealth" (Knowledge Transfer and Exchange in Environment and Health)
- Participant in the activities of the Interdepartmental Research Center in Health Promotion and Information Technology (ProSIT), University of Pisa.

COMMITMENT IN SCIENTIFIC ASSOCIATIONS AND DIRECTIVE COUNCIL

- Member of the SITI (Italian Society of Hygiene, Preventive Medicine and Public Health)
- Member of the EUPHA (European Public Health Association).
- Member of SIMPIOS (Italian Multidisciplinary Society for the Prevention of Infections in Health Organizations) and elected in the Directive Council on May 26, 2016.
- Member of ESCMID (European Society of Clinical Microbiology and Infectious Diseases)
- Member of HIS (Healthcare Infection Society)

PRINCIPAL INVESTIGATOR, PARTICIPANT IN RESEARCH PROJECTS

Part of the research team as contract researcher

c/o University of Pisa (July 1995-March 1996)

"The mass media in information on AIDS" (funded by Italian Ministry for Education, University and Research, MIUR)

Part of the research team as student of the Postgraduate Training Program in Medical Microbiology

c/o University of Pisa (May 1999-February 2000)

"Assessing airborne biological hazard from urban wastewater treatment" (funded by the Dep. Experimental Pathology, University of Pisa).

Part of the research team as Postgraduate in Medical Microbiology

c/o University of Pisa (January 2001-December 2001)

"Development of analytical methods for the detection of viruses in environmental matrices: application to the workplace risk assessment" (funded by the "Istituto Superiore per la Prevenzione e la Sicurezza del Lavoro" Ministry of Health. ISPESL)

Head of the research project as Assistant professor (Postgraduate Researcher)

c/o University of Pisa (January 2000 - December 2000)

"Young researchers", entitled "Development of molecular techniques for the detection of Norwalk virus in the mineral water" (funded by MURST, Ministry of Education, University and Research)

Part of the research team as student of the Postgraduate Training Program in Medical Microbiology

c/o University of Pisa (January 2003-January 2005)

"Microbiology of fishery products: evaluation of methods and contamination" (funded by Zooprophyllactic Institute of Lazio and Tuscany).

Part of the research team as Assistant professor (Postgraduate Researcher)

c/o University of Pisa (January 2003-January 2005)

"Epidemiological surveillance of the main human enteric viruses with particular reference to their research in different environmental matrices " (funded by Italian Ministry for Education, University and Research, MIUR).

Part of the research team as Assistant professor (Postgraduate Researcher)

c/o University of Pisa (May 2005-August 2007)

"Viral contamination of environments and surfaces: innovative analytical techniques and application procedures" (funded by the "Istituto Superiore per la Prevenzione e la Sicurezza del Lavoro" Ministry of Health. ISPESL)

Part of the research team as Assistant professor (Postgraduate Researcher)

c/o University of Pisa (November 2007-November 2009)

"Study of innovative methodologies for the assessment of exposure of workers to biological and chemical agents resulting from production activities related to waste disposal" funding by the Italian Workers Compensation Authority (INAIL).

Part of the research team as Assistant professor (Postgraduate Researcher)

c/o University of Pisa (March 2010-September 2012)

"The water in health facilities. Risk Assessment, integrated risk management planing and validation of prevention and control strategies" (funded by Italian Ministry for Education, University and Research, MIUR)

Part of the research team as Assistant professor (Postgraduate Researcher)

c/o University of Pisa (January 2014-December 2016)

“Monitoring of Air Pollution Effects on children to support public health policies: MAPEC” Project founded by EU Life+ Programme (LIFE12 ENV/IT/000614)

Part of the research team as Associate Professor

c/o University of Pisa (March 2017-March 2019)

“Prevention, diagnosis and treatment strategies for infections associated with the use of medical devices”

University project, PRA_2017_18, University of Pisa

REVIEWER EXPERIENCE

Reviewer of numerous international scientific journals, including Vaccine, Water Research, Journal of Applied Microbiology, Letter in Applied Microbiology, BMC Microbiology, International Journal of Environmental Health Research, FEMS Microbiology Ecology, Italian Journal of Public Health, Journal of Hospital Infection, Infection Control and Hospital Epidemiology.

PUBLICATIONS

(ONLY Index Medicus, Science Citation Index)

Prof. Beatrice Casini is author of 73 articles in peer-reviewed Journals indexed in the PubMed database (listed below). She also authored 6 book chapters, 14 proceedings and more than 100 congress abstracts (not listed).

1. CARDUCCI A, CASINI B, MORLEO F, GIUNTINI A, PARENTI M, MORETTI R. Comparison of three assays for HIV antibodies detection in urine to be applied to epidemiological setting. (1999) Eur J Epidemiol. 15: 545-548.
2. CARDUCCI A, GEMELLI C, CANTIANI L, CASINI B, ROVINI E. Assessment of microbial parameters as indicators of viral contamination of aerosol from urban sewage treatment plants (1999) Lett Appl Microbiol. 28 (3): 207-210.
3. CARDUCCI A, TOZZI E, RUBULOTTA E, CASINI B, CANTIANI L, ROVINI E, PACINI R. Assessing airborne biological hazard from urban wastewater treatment. (2000) Water Research, 34 (4): 1173-1178
4. CARDUCCI A, VERANI M, CASINI B, GIUNTINI A, MAZZONI F, ROVINI E, PASSAGLIA A, GIUSTI L, VALENZA A, LOMBARDI R. Detection and potential indicators of the presence of hepatitis C virus on surfaces in hospital settings (2002) Lett Appl Microbiol, 34: 189-193.
5. CARDUCCI A, CANTIANI L, MOSCATELLI R, CASINI B, ROVINI E, MAZZONI F, GIUNTINI A, VERANI M. Interference between enterovirus and reovirus as a limiting factor in environmental virus detection. (2002) Lett Appl Microbiol, 34 (2): 110-113.
6. CARDUCCI A, CASINI B, BANI A, ROVINI E, VERANI M, MAZZONI F, GIUNTINI A. Virological control of groundwater quality using biomolecular tests. (2003) Water Sci Technol, 47 (3): 261-266.
7. CARDUCCI A, LUCCHESI N, CASINI B, MAZZONI F, LIACI D, VERANI M. Virological analysis of shellfish for food safety and control. (2004) Water Sci Technol, 50 (1): 137-139.
8. CASINI B, STEFANI L, GIUNTINI A, VERANI M, SIGARI G, CARDUCCI A. Identification of cytopathogenic isolates from environmental matrices: Application of analytical protocols (2004) Water Sci Technol, 50 (1): 219-222.
9. VERANI M, CASINI B, BATTISTINI R, PIZZI F, ROVINI E, CARDUCCI A. One-year monthly monitoring of torquetenovirus (TTV) in river water in Italy. (2006) Water Sci Technol. 54: 191-195.
10. CARDUCCI A, VERANI M, BATTISTINI R, PIZZI F, ROVINI E, ANDREOLI E, CASINI B. Epidemiological surveillance of human enteric viruses by monitoring of different environmental matrices. (2006) Water Sci Technol. 54: 239-244.
11. MASCIOPINTO C, LA MANTIA R, CARDUCCI A, CASINI B., CALVARIO A, JATTA E. Unsafe tap water in households supplied from groundwater in the Salento Region of Southern Italy. (2007) J Water Health. 5: 129-148.
12. PRIVITERA G, TORRACCA F, LORENZINI C, CASINI B., VALENTINI P., BAGGIANI A. Infezioni di origine idrica nelle Strutture Sanitarie. (2007) Annali di Igiene Medicina Preventiva e di Comunità. 19 (5): 45-53.
13. CASINI B, VALENTINI P, BAGGIANI A, TORRACCA F, FRATESCHI S, CECCHERINI NELLI L, PRIVITERA G. Molecular epidemiology of Legionella pneumophila serogroup 1 isolates following long – term chlorine dioxide treatment in a university hospital water system. (2008) J Hosp Infect. 69: 141-147.
14. CASINI B, VALENTINI P, BAGGIANI A, TORRACCA F, LORENZINI C, FRATESCHI S, MATTEOLI B, PRIVITERA G. Comparison of two methods used for subtyping of Legionella pneumophila 1 strains isolated from a hospital water supply. (2008) Water Sci Technol. 58: 683-688.
15. CASINI B, VALENTINI P, BAGGIANI A, LORENZINI C, BATTISTI F, PRIVITERA G. Colonizzazione a lungo termine da ceppi cloro-tolleranti di Legionella pneumophila sierogruppo 1 strain Wadsworth della rete idrica di un Ospedale Universitario. (2008) Annali di Igiene, Medicina Preventiva e di Comunità. 20 (3):101-106.
16. CARDUCCI A, VERANI M, LOMBARDI R, CASINI B, PRIVITERA G. Environmental survey to assess viral contamination of air and surfaces in hospital settings. (2011) J Hosp Infect. 77: 242-247.
17. NICOLELLA C, CASINI B, ROSSI F, CHERICONI A, PARDINI G. Thermal Sanitizing In A Commercial Dishwashing Machine. (2011) J Food Safety, 31: 81-91.
18. SBRANA F, MALACARNE P, VIAGGI B, COSTANZO S, LEONETTI P, LEONILDI A, CASINI B, TASCINI C, MENICHETTI F. Carbapenem-sparing antibiotic regimens for infections caused by Klebsiella pneumoniae carbapenemase-producing K. pneumoniae in intensive care unit. (2013) Clin Infect Dis. 56 (5): 697-700.

19. TASCINI C, TAGLIAFERRI E, GIANI T, LEONILDI A, FLAMMINI S, CASINI B, LEWIS R, FERRANTI S, ROSSOLINI GM, MENICCHETTI F. Synergistic activity of colistin plus rifampin against colistin-resistant KPC-producing *Klebsiella pneumoniae*. (2013) *Antimicrob Agents Chemother*. 57 (8): 3990-3.
20. SPAGNOLO A.M., CRISTINA M.L., CASINI B., PERDELLI F. *Legionella pneumophila* in healthcare facilities. (2013) *Reviews in Medical Microbiology*, 24 (3): 70-80.
21. CASINI B, BUZZIGOLI A, CRISTINA ML, SPAGNOLO AM, DEL GIUDICE P, BRUSAFERRO S, POSCIA A, MOSCATO U, VALENTINI P, BAGGIANI A, PRIVITERA G. Long-term effects of hospital water network disinfection on *Legionella* and other waterborne bacteria in an Italian university hospital. (2014) *Infect Control Hosp Epidemiol*. 35 (3): 293-9.
22. CRISTINA ML, SPAGNOLO AM, CASINI B, BAGGIANI A, DEL GIUDICE P, BRUSAFERRO S, POSCIA A, MOSCATO U, PERDELLI F, ORLANDO P. The impact of aerators on water contamination by emerging gram-negative opportunists in at-risk hospital departments. (2014) *Infect Control Hosp Epidemiol*. 35 (2): 122-9.
23. IANNELLI R, RIPARI S, CASINI B, BUZZIGOLI A, PRIVITERA G, VERANI M, CARDUCCI A. Feasibility assessment of surface water disinfection by ultrafiltration. (2014) *Water Sci Technol: Water Supply*. 14(4): 522-31. IF 2014: 1.106, IF 2016: 1.197
24. MONTAGNA MT, NAPOLI C, TAFURI S, AGODI A, AUXILIA F, CASINI B, et al. Knowledge about tuberculosis among undergraduate health care students in 15 Italian universities: a cross-sectional study. (2014) *BMC Public Health*. 14 (1): art. no. 970.
25. FERETTI D, CERETTI E, DE DONNO A, MORETTI M, CARDUCCI A, BONETTA S, MARRESE MR, BONETTI A, COVOLO L, BAGORDO F, VILLARINI M, VERANI M, SCHILIRÒ T, LIMINA RM, GRASSI T, MONARCA S, CASINI B, CARRARO E, ZANI C, MAZZOLENI G, LEVAGGI R, GELATTI U; MAPEC_LIFE Study Group. Monitoring air pollution effects on children for supporting public health policy: the protocol of the prospective cohort MAPEC study. (2014) *BMJ Open*. 4(9): art. no. e006096.
26. CASINI B, VERANI M, TAGLIAFERRI E, TOTARO M, CRISTINA ML, PRIVITERA G, CARDUCCI A. CTX-M-15 Type Extended-Spectrum Beta-Lactamase-Producing *Enterobacter cloacae* In Bioaerosol of a Municipal Solid Waste Recycling Plant: A New Possible Reservoir of Infection? (2014) *Archives of Clinical Microbiology*. 6 (1): 4.
27. ZANI C, DONATO F, GRIONI S, VIOLA GC, CERETTI E, FERETTI D, FESTA A, BONIZZONI S, BONETTI A, MONARCA S, VILLARINI M, LEVORATO S, CARDUCCI A, VERANI M, CASINI B, et al. Feasibility and reliability of a questionnaire for evaluation of the exposure to indoor and outdoor air pollutants, diet and physical activity in 6-8-year-old children (2015) *Annali di Igiene Medicina Preventiva e di Comunità*. 27 (4): 646-656.
28. BAGGIANI A, CASINI B, TOTARO M, AQUINO F, VALENTINI P, BRUNI B, PORRETTA A, CASALINI F, MICCOLI M, PRIVITERA G. Colonization by *Legionella* spp. of water networks in residential buildings of the Province of Pisa, Italy (2015) *Annali di Igiene Medicina Preventiva e di Comunità*. 27 (5): 718-725.
29. ZANI C, CERETTI E, GRIONI S, VIOLA GCV, DONATO F, FERETTI D, FESTA A, BONIZZONI S, BONETTI A, MONARCA S, VILLARINI M, LEVORATO S, CARDUCCI A, VERANI M, CASINI B, et al. Are 6-8 year old Italian children moving away from the Mediterranean diet? (2016) *Annali di Igiene Medicina Preventiva e di Comunità*, 28 (5): 339-348.
30. DE DONNO A, GRASSI T, CERETTI E, VIOLA GCV, LEVORATO S, VANNINI S, SALVATORI T, CARDUCCI A, VERANI M, BONETTA SA, CARRARO E, BONIZZONI S, BONETTI A, BAGORDO F, SERIO F, IDOLO A, GELATTI U, BONETTA SI, BRUNI B, CASINI B, et al. Air pollution biological effects in children living in Lecce (Italy) by buccal micronucleus cytome assay (the MAPEC-life study) (2016) *International Journal of Sustainable Development and Planning*. 11 (4): 500-510.
31. CARDUCCI A, CASINI B, DONZELLI G, VERANI M, BRUNI B, CERETTI E, ZANI C, CARRARO E, BONETTA S, BAGORDO F, GRASSI T, VILLARINI M, BONIZZONI S, ZAGNI L, GELATTI U. Improving awareness of health hazards associated with air pollution in primary school children: Design and test of didactic tools (2016) *Applied Environmental Education and Communication*, 15 (3): 247-260.
32. CASINI B, SELVI C, CRISTINA ML, TOTARO M, COSTA AL, VALENTINI P, BARNINI S, BAGGIANI A, TAGLIAFERRI E, PRIVITERA G. Evaluation of a modified cleaning procedure in the prevention of carbapenem-resistant *Acinetobacter baumannii* clonal spread in a burn intensive care unit using a high-sensitivity luminometer (2017) *J Hosp Infect*. 95 (1): 46-52.
33. BAGORDO F, DE DONNO A, GRASSI T, GUIDO M, DEVOTI G, CERETTI E, ZANI C, FERETTI D, VILLARINI M, MORETTI M, SALVATORI T, CARDUCCI A, VERANI M, CASINI B, et al. Lifestyles and socio-cultural factors among children aged 6-8 years from five Italian towns: The MAPEC-LIFE study cohort. (2017) *BMC Public Health*, 17 (1), art. no. 233.
34. TOTARO M, CASINI B, VALENTINI P, MICCOLI M, GIORGI S, PORRETTA A, PRIVITERA G, LOPALCO PL, BAGGIANI A. Evaluation and control of microbial and chemical contamination in dialysis water plants of Italian nephrology wards (2017). *J Hosp Infect*, 97 (2): 169-74.
35. CASINI B, AQUINO F, TOTARO M, MICCOLI M, GALLI I, MANFREDINI L, GIUSTARINI C, COSTA AL, TUVO B, VALENTINI P, PRIVITERA G, BAGGIANI A. Application of hydrogen peroxide as an innovative method of treatment for *Legionella* control in a hospital water network (2017) *Pathogens*, 6 (2), art. no. 12. DOI: 10.3390/pathogens6020015
36. TOTARO M, VALENTINI P, CASINI B, MICCOLI M, COSTA AL, BAGGIANI A. Experimental comparison of point-of-use filters for drinking water ultrafiltration (2017) *J Hosp Infect*. 96 (2): 172-176.
37. MONTAGNA MT, DE GIGLIO O, CRISTINA ML, NAPOLI C, PACIFICO C, AGODI A, BALDOVIN T, CASINI B, et al. Evaluation of *Legionella* air contamination in healthcare facilities by different sampling methods: An Italian multicenter study (2017) *International Journal of Environmental Research and Public Health*, 14 (7), art. no. 670.
38. BONADONNA L, CANNAROZZI DE GRAZIA M, CAPOLONGO S, CASINI B, CRISTINA ML, DANIELE G, D'ALESSANDRO D, DE GIGLIO O, DI BENEDETTO A, DI VITTORIO G, FERRETTI E, FRASCOLLA B, LA ROSA G, LA SALA L, LOPUZZO MG, LUCENTINI L, MONTAGNA MT, MOSCATO U, PASQUARELLA C, PRENCIPE R, RICCI ML, ROMANO SPICA V, SIGNORELLI C, VESCHETTI E. Water safety in healthcare facilities. The Vieste Charter. (2017). *Annali di Igiene Medicina Preventiva e di Comunità*, 29: 92-100.
39. VALERIANI F, AGODI A, CASINI B, CRISTINA ML, D'ERRICO MM, GIANFRANCESCHI G, LIGUORI G, LIGUORI R, MUCCI N, MURA I, PASQUARELLA C, PIANA A, SOTGIU G, PRIVITERA G, PROTANO C, QUATTROCCHI A, RIPABELLI G, ROSSINI A, SPAGNOLO AM, TAMBURRO M, TARDIVO S, VERONESI L, VITALI M, ROMANO SPICA V; GISIO WORKING GROUP OF THE ITALIAN SOCIETY OF HYGIENE, PREVENTIVE MEDICINE, AND PUBLIC HEALTH. Potential testing of reprocessing procedures by real-time polymerase chain reaction: A multicenter study of colonoscopy devices. *Am J Infect Control*. 2018 Feb;46(2):159-164. Epub 2017 Sep 25.
40. TOTARO M, VALENTINI P, COSTA AL, GIORGI S, CASINI B, BAGGIANI A. The rate of *Legionella pneumophila* colonization in hospital hot water network after time flow taps installation. (2017) *J Hosp Infect* Available online 8 September 2017.

41. TOTARO M, VALENTINI P, COSTA AL, FRENDOL, CAPPELLO A, CASINI B, MICCOLI M, PRIVITERA G, BAGGIANI A. Presence of Legionella spp. in Hot Water Networks of Different Italian Residential Buildings: A Three-Year Survey. *Int J Environ Res Public Health*. 2017 Oct 26;14(11). pii: E1296.
42. TOTARO M, CASINI B, VALENTINI P, MICCOLI M, GIORGI S, PORRETTA A, PRIVITERA G, LOPALCO PL, BAGGIANI A. Evaluation and control of microbial and chemical contamination in dialysis water plants of Italian nephrology wards. *J Hosp Infect*. 2017 Oct;97(2):169-174. Epub 2017 May 22.
43. CASINI B, BAGGIANI A, TOTARO M, MANSI A, COSTA AL, AQUINO F, MICCOLI M, VALENTINI P, BRUSCHI F, LOPALCO PL, PRIVITERA G. Detection of Viable But Nonculturable Legionella in hospital water network following monochloramine disinfection. (2018) *J Hosp Infect*, 98(1): 46-52.
44. SPAGNOLO AM, SARTINI M, BATTISTELLA A, CASINI B, LO PINTO G, SCHINCA E, CRISTINA ML. A Clostridium difficile outbreak in an Italian hospital: the efficacy of the multi-disciplinary and multifaceted approach. *Hospital Infection Control Operating Group Galliera Hospital*. *J Prev Med Hyg*. 2018 Jun 1;59(2): E132-E138.
45. TOTARO M, CASINI B, VALENTINI P, MICCOLI M, LOPALCO PL, BAGGIANI A. Assessing natural mineral water microbiology quality in the absence of cultivable pathogen bacteria. *J Water Health*. 2018 Jun;16(3):425-434.
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