

Meeting

Items of interest from the literature

Items of interest from the literature (PubMed 20/10/2022 to 24/01/2023)

Bacillus cereus

[Review of major meat-borne zoonotic bacterial pathogens.](#)

Ali S, Alsayeqh AF.

Front Public Health. 2022 Dec 15;10:1045599. doi: 10.3389/fpubh.2022.1045599. eCollection 2022.

PMID: 36589940 Free PMC article. Review.

[Prevalence of bovine mastitis-related pathogens, identified by mass spectrometry in flies \(Insecta, Diptera\) captured in the milking environment.](#)

Bertolini AB, Prado AM, Thyssen PJ, de Souza Ribeiro Mioni M, de Gouvea FLR, da Silva Leite D, Langoni H, de Figueiredo Pantoja JC, Rall VM, Guimarães FF, Joaquim SF, Guerra ST, Hernandez RT, Lucheis SB, Ribeiro MG.

Lett Appl Microbiol. 2022 Nov;75(5):1232-1245. doi: 10.1111/lam.13791. Epub 2022 Aug 5.

PMID: 35871465 Review.

[Simultaneous detection of foodborne pathogenic bacteria in milk by fluorescence immunoassay.](#)

Cheng X, Wang CC, Liu A, Liu Y, Dong J, Wang Z, Wei W, Liu S.

Spectrochim Acta A Mol Biomol Spectrosc. 2023 Jan 15;285:121830. doi: 10.1016/j.saa.2022.121830. Epub 2022 Sep 17.

PMID: 36179567

[Occurrence of selected bacterial pathogens in insect-based food products and in-depth characterisation of detected Bacillus cereus group isolates.](#)

Frentzel H, Kelner-Burgos Y, Fischer J, Heise J, Göhler A, Wichmann-Schauer H.

Int J Food Microbiol. 2022 Oct 16;379:109860. doi: 10.1016/j.ijfoodmicro.2022.109860. Epub 2022 Jul 29.

PMID: 35933921

[Semi-automated water sampling module for repeated sampling and concentration of Bacillus cereus group spores.](#)

Hassen WM, Vermette J, Moteshareie H, Tayabali AF, Dubowski JJ.

Sci Rep. 2023 Jan 16;13(1):831. doi: 10.1038/s41598-023-27900-0.

PMID: 36646757 Free PMC article.

[Effects of sterilization methods on the survival of pathogenic bacteria in potting soil stored at various temperatures.](#)

Hyun JE, Lee SB, Jung DY, Kim SR, Choi SY, Hwang I.

Food Sci Biotechnol. 2022 Nov 22;32(1):111-120. doi: 10.1007/s10068-022-01173-1. eCollection 2023 Jan.

PMID: 36606091 Free PMC article.

[Exploring the Microbial Community and Functional Characteristics of the Livestock Feces Using the Whole Metagenome Shotgun Sequencing.](#)

Kim H, Kim ES, Cho JH, Song M, Cho JH, Kim S, Keum GB, Kwak J, Doo H, Pandey S, Park SH, Lee JH, Jung H, Hur TY, Kim JK, Oh KK, Kim HB, Lee JH.

J Microbiol Biotechnol. 2022 Dec 16;33(1):1-10. doi: 10.4014/jmb.2209.09013. Online ahead of print.

PMID: 36517072

[Detection of Bacillus cereus as a causative agent of emetic food poisoning by an unconventional culture procedure.](#)

Kubota N, Kobayashi J, Kasai A, Nasuno M, Murai T, Minami K, Ohta M.

J Infect Chemother. 2022 Nov;28(11):1575-1577. doi: 10.1016/j.jiac.2022.07.011. Epub 2022 Jul 20.

PMID: 35870790

[Domestic refrigerators: An overlooked breeding ground of antibiotic resistance genes and pathogens.](#)

Lin W, Xu F, Guo H, Cui L.

Environ Int. 2022 Dec;170:107647. doi: 10.1016/j.envint.2022.107647. Epub 2022 Nov 17.

PMID: 36413928

[Microbiological Quality of Ready-to-Eat Salad Products Collected from Retail and Catering Settings in England during 2020 to 2021.](#)

McLAUHLIN J, Aird H, Amar CFL, Jenkins C, Jørgensen F, Lai S, Willis C.

J Food Prot. 2022 Dec 1;85(12):1680-1689. doi: 10.4315/JFP-22-116.

PMID: 35776061

[Bacilli in the International Space Station.](#)

Quagliariello A, Cirigliano A, Rinaldi T.

Microorganisms. 2022 Nov 22;10(12):2309. doi: 10.3390/microorganisms10122309.

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[A Comprehensive Review of Variability in the Thermal Resistance \(D-Values\) of Food-Borne Pathogens-A Challenge for Thermal Validation Trials.](#)

Soni A, Bremer P, Brightwell G.

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PMID: 36553859 Free PMC article. Review.

[Antimicrobial Susceptibility Profile and Whole-Genome Analysis of a Strong Biofilm-Forming *Bacillus* Sp. B87 Strain Isolated from Food.](#)

Sornchuer P, Saninjuk K, Prathaphan P, Tiengtip R, Wattanaphansak S.

Microorganisms. 2022 Jan 23;10(2):252. doi: 10.3390/microorganisms10020252.

PMID: 35208707 Free PMC article.

[Insect chitosan as a natural antimicrobial against vegetative cells of *Bacillus cereus* in a cooked rice matrix.](#)

Valdez MI, Garcia J, Ubeda-Manzanaro M, Martinez A, Rodrigo D.

Food Microbiol. 2022 Oct;107:104077. doi: 10.1016/j.fm.2022.104077. Epub 2022 Jun 10.

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[Prevalence, antimicrobial susceptibility, and antibiotic resistance gene transfer of *Bacillus* strains isolated from pasteurized milk.](#)

Zhai Z, Cui C, Li X, Yan J, Sun E, Wang C, Guo H, Hao Y.

J Dairy Sci. 2023 Jan;106(1):75-83. doi: 10.3168/jds.2022-22199. Epub 2022 Nov 16.

PMID: 36400617

[Identification and characterization of *Bacillus thuringiensis* and other *Bacillus cereus* group isolates from spinach by whole genome sequencing.](#)

Zhao X, Zervas A, Hendriks M, Rajkovic A, van Overbeek L, Hendriksen NB, Uyttendaele M.

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PMID: 36569082 Free PMC article.

Campylobacter

[Prevalence and antibacterial susceptibilities of *Arcobacter* spp. and *Campylobacter* spp. from fresh vegetables.](#)

Abay S, Yaman A, Karakaya E, Aydin F.

World J Microbiol Biotechnol. 2022 Jun 11;38(8):132. doi: 10.1007/s11274-022-03315-3.

PMID: 35689134

[Prevalence of *Campylobacter* species and associated risk factors for contamination of dairy products collected in a dry season from major milk sheds in Ethiopia.](#)

Admasie A, Eshetu A, Tessema TS, Vipham J, Kovac J, Zewdu A.

Food Microbiol. 2023 Feb;109:104145. doi: 10.1016/j.fm.2022.104145. Epub 2022 Sep 27.

PMID: 36309427

[Genetic Signature and Serocompatibility Evidence for Drug Resistant *Campylobacter jejuni*.](#)

Al-Khresieh RO, Al-Daghistani HI, Abu-Romman SM, Abu-Niaaj LF.

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[Quantitative detection and genetic characterization of thermotolerant *Campylobacter* spp. in fresh chicken meats at retail in Japan.](#)

Asakura H, Yamamoto S, Yamada K, Kawase J, Nakamura H, Abe KI, Sasaki Y, Ikeda T, Nomoto R.

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[Occurrence and seasonality of *Campylobacter* spp. in Portuguese dairy farms.](#)

Barata AR, Nunes B, Oliveira R, Guedes H, Almeida C, Saavedra MJ, da Silva GJ, Almeida G.

Int J Food Microbiol. 2022 Dec 16;383:109961. doi: 10.1016/j.ijfoodmicro.2022.109961. Epub 2022 Oct 2.

PMID: 36209538

[Genotypic and Phenotypic Characterization of Pathogenic *Escherichia coli*, *Salmonella* spp., and *Campylobacter* spp., in Free-Living Birds in Mainland Portugal.](#)

Batista R, Saraiva M, Lopes T, Silveira L, Coelho A, Furtado R, Castro R, Correia CB, Rodrigues D, Henriques P, Lóio S, Soeiro V, da Costa PM, Oleastro M, Pista A.

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PMID: 36612545 Free PMC article.

[Prevalence and Antimicrobial Resistance of *Campylobacter* spp. Isolated from Broilers Throughout the Supply Chain in Valencia, Spain.](#)

Bort B, Martí P, Mormeneo S, Mormeneo M, Iranzo M.

Foodborne Pathog Dis. 2022 Nov;19(11):717-724. doi: 10.1089/fpd.2022.0043. Epub 2022 Aug 26.

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[Prevalence and Antimicrobial Resistance of *Campylobacter jejuni* and *Campylobacter coli* from Laying Hens Housed in Different Rearing Systems.](#)

Casalino G, Bozzo G, Dinardo FR, D'Amico F, Dimuccio MM, Camarda A, Ceci E, Romito D, Circella E.

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[Preliminary Incidence and Trends of Infections Caused by Pathogens Transmitted Commonly Through Food - Foodborne Diseases Active Surveillance Network, 10 U.S. Sites, 2016-2021.](#)

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PMID: 34406901

[Genomic insights into zoonotic transmission and antimicrobial resistance in Campylobacter jejuni from farm to fork: a one health perspective.](#)

Dessouky YE, Elsayed SW, Abdelsalam NA, Saif NA, Álvarez-Ordóñez A, Elhadidy M.

Gut Pathog. 2022 Dec 5;14(1):44. doi: 10.1186/s13099-022-00517-w.

PMID: 36471447 Free PMC article. Review.

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[Microbial Contamination of Bedding Material: One Health in Poultry Production.](#)

Gomes B, Pena P, Cervantes R, Dias M, Viegas C.

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PMID: 36554388 Free PMC article. Review.

[Influence of Single Dose Enrofloxacin Injection on Development of Fluoroquinolone Resistance in *Campylobacter jejuni* in Calves.](#)

Goulart DB, Beyi AF, Wu Z, Adiguzel MC, Wilson S, Xu C, Pang J, Dewell R, Dewell GA, Plummer PJ, Zhang Q, Sahin O.

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[Genomic Diversity of *Campylobacter lari* Group Isolates from Europe and Australia in a One Health Context.](#)

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PMID: 36354326

[Prevalence, antimicrobial resistance, virulence gene profile and molecular typing of *Campylobacter* species isolated from poultry meat samples.](#)

Hadiyan M, Momtaz H, Shakerian A.

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[Quantitative Determination of Campylobacter on Broilers along 22 United Kingdom Processing Lines To Identify Potential Process Control Points and Cross-Contamination from Colonized to Uncolonized Flocks.](#)

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[Molecular detection and risk factors associated with multidrug-resistant Campylobacter jejuni from broiler cloacal and meat samples in Bangladesh.](#)

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[The impact of primary and secondary processing steps on Campylobacter concentrations on chicken carcasses and portions.](#)

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Food Microbiol. 2023 Apr;110:104168. doi: 10.1016/j.fm.2022.104168. Epub 2022 Oct 20.

PMID: 36462824

[Prevalence and concentration of Campylobacter in faeces of dairy cows: A systematic review and meta-analysis.](#)

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[Subtyping of Campylobacter coli isolated from raw poultry meat in retail markets using amplified intergenic locus polymorphism - A novel rapid subtyping method.](#)

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PMID: 36572193

[The temporal pattern and relationship of Campylobacter prevalence in broiler slaughter batches and human campylobacteriosis cases in Sweden 2009-2019.](#)

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[Campylobacter jejuni and other emerging Campylobacteraceae in retail beef liver - an underestimated potential source?](#)

Lopez-Cantillo M, Opazo-Capurro A, Lopez-Joven C, Vidal-Veuthey B, Collado L.

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[Production systems and important antimicrobial resistant-pathogenic bacteria in poultry: a review.](#)

Mak PHW, Rehman MA, Kiarie EG, Topp E, Diarra MS.

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PMID: 36514172 Free PMC article. Review.

[Prevalence of Multidrug-Resistant Bacteria \(Enteropathogens\) Recovered from a Blend of Pig Manure and Pinewood Saw Dust during Anaerobic Co-Digestion in a Steel Biodigester.](#)

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PMID: 36377950 Free PMC article.

[Comparison of Antimicrobial Susceptibility Profiles of Thermotolerant *Campylobacter* spp. Isolated from Human and Poultry Samples in Georgia \(Caucasus\).](#)

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PMID: 36502564 Free PMC article.

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[A survey of enteric disease agents in UK deer populations.](#)

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Res Vet Sci. 2023 Jan;154:113-123. doi: 10.1016/j.rvsc.2022.12.007. Epub 2022 Dec 15.

PMID: 36577269

[Prevalence and Characterization of *Campylobacter* Species from Chickens Sold at Informal Chicken Markets in Gauteng, South Africa.](#)

Phosa M, Fasina FO, Morar-Leather D, Adesiyun AA.

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PMID: 35723602

[Roles of Aerotolerance, Biofilm Formation, and Viable but Non-Culturable State in the Survival of *Campylobacter jejuni* in Poultry Processing Environments.](#)

Pokhrel D, Thames HT, Zhang L, Dinh TTN, Schilling W, White SB, Ramachandran R, Theradiyil Sukumaran A.

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[Occurrence of *Campylobacter* spp. and Phenotypic Antimicrobial Resistance Profiles of *Campylobacter* *jejuni* in Slaughtered Broiler Chickens in North-Western Romania.](#)

Popa SA, Morar A, Ban-Cucerzan A, Tîrziu E, Herman V, Sallam KI, Morar D, Acaroz U, Imre M, Florea T, Mukhtar H, Imre K.

Antibiotics (Basel). 2022 Nov 28;11(12):1713. doi: 10.3390/antibiotics11121713.

PMID: 36551369 Free PMC article.

[Genomic diversity, virulence and source of *Campylobacter jejuni* contamination in Irish poultry slaughterhouses by whole genome sequencing.](#)

Prendergast DM, Lynch H, Whyte P, Golden O, Murphy D, Gutierrez M, Cummins J, Johnston D, Bolton D, Coffey A, Lucey B, O'Connor L, Byrne W.

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PMID: 35993276 Free PMC article.

[Antimicrobial Resistance Profile of Common Foodborne Pathogens Recovered from Livestock and Poultry in Bangladesh.](#)

Rafiq K, Islam MR, Siddiky NA, Samad MA, Chowdhury S, Hossain KMM, Rume FI, Hossain MK, Mahbub-E-Elahi A, Ali MZ, Rahman M, Amin MR, Masuduzzaman M, Ahmed S, Ara Rumi N, Hossain MT.

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[Investigation of the outbreaks of abortions and orchitis in livestock in Namibia during 2016-2018.](#)

Samkange A, van der Westhuizen J, Voigts AS, Chitate F, Kaatura I, Khaiseb S, Hikufe EH, Kabajani J, Bishi AS, Mbiri P, Hawanga NN, Mushonga B.

Trop Anim Health Prod. 2022 Oct 15;54(6):346. doi: 10.1007/s11250-022-03342-0.

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[A One Health real-time surveillance system for nowcasting *Campylobacter* gastrointestinal illness outbreaks, Norway, week 30 2010 to week 11 2022.](#)

Swanson D, Koren C, Hopp P, Jonsson ME, Rø GI, White RA, Grøneng GM.

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Szott V, Peh E, Friese A, Roesler U, Kehrenberg C, Ploetz M, Kittler S.

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PMID: 36283144 Free PMC article.

[Intervention Strategies to Control *Campylobacter* at Different Stages of the Food Chain.](#)

Taha-Abdelaziz K, Singh M, Sharif S, Sharma S, Kulkarni RR, Alizadeh M, Yitbarek A, Helmy YA.

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Taviani E, van den Berg H, Nhassengo F, Nguluve E, Paulo J, Pedro O, Ferrero G.

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Zhang P, Zhang X, Liu Y, Cui Q, Qin X, Niu Y, Wang C, Wang T, Chen Q, Ding S, Ma X, Shen Z.

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Dorner MB.

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Hendrickx D, Varela Martínez C, Contzen M, Wagner-Wiening C, Janke KH, Hernando Jiménez P, Massing S, Pichler J, Tichaczek-Dischinger P, Burckhardt F, Stark K, Katz K, Jurke A, Thole S, Carbó R, Del Pobil Ferré MP, Nieto M, Zamora MJ, Sisó A, Pallares García P, Valdezate S, Schaade L, Worbs S, Dorner BG, Frank C, Dorner MB.

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[First report of foodborne botulism due to Clostridium botulinum type A\(B\) from vegetarian home-canned pate in Hanoi, Vietnam.](#)

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PMID: 35007729

[High-pressure pasteurization of low-acid chilled ready-to-eat food.](#)

Inanoglu S, Barbosa-Cánovas GV, Sablani SS, Zhu MJ, Keener L, Tang J.

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PMID: 36329575 Review.

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Ma X, Li K, Li F, Su J, Meng W, Sun Y, Sun H, Sun J, Yuan Y, Lin Y, Hu S, Xu X, He Z.

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Tick-borne Encephalitis Virus (TBEV)

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