Meeting

Items of interest from the literature

Items of interest from the literature (PubMed 17/10/2024 to 22/01/2025)

Bacillus cereus

Organic vs. Conventional Milk: Uncovering the Link to Antibiotic Resistance in *Bacillus cereus* sensu lato.

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Kang SY, Lee JI, Kang DH.

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PMID: 39614540

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Kim SM, Hwang D, Kim HJ.

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PMID: 39358927 Free PMC article.

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Listeria monocytogenes

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Melo FD, Peterle H, Sfaciotte RAP, Schneider MF, Parussolo L, Wosiacki SR, Costa UMD, Ferraz SM.

Foodborne Pathog Dis. 2025 Jan;22(1):24-30. doi: 10.1089/fpd.2024.0037. Epub 2024 Sep 5.

PMID: 39234784

Antimicrobial Resistance Profiles of Escherichia coli and Staphylococcus spp. Isolated from Locally Produced Fish and Imported Fish Sold in the Centre Region of Cameroon.

Moffo F, Ndebé MMF, Dah I, Nkolo EN, Ngom RV, Madjeue FN, Wade A, Tiomo H, Ngwa VN, Mouiche MMM.

J Food Prot. 2024 Dec;87(12):100377. doi: 10.1016/j.jfp.2024.100377. Epub 2024 Oct 17.

PMID: 39424103

Combating foodborne pathogens: Efficacy of plasma-activated water with supplementary methods for *Staphylococcus aureus* eradication on chicken, and beef.

Moonsub K, Seesuriyachan P, Boonyawan D, Rachtanapun P, Sawangrat C, Opassuwan T, Wattanutchariya W.

Food Chem X. 2024 Oct 16;24:101890. doi: 10.1016/j.fochx.2024.101890. eCollection 2024 Dec 30.

PMID: 39498257 Free PMC article.

Development of Livestock-Associated Methicillin-Resistant *Staphylococcus aureus* (LA-MRSA) Loads in Pigs and Pig Stables During the Fattening Period.

Pedersen K, Nielsen MW, Fertner ME, Espinosa-Gongora C, Bækbo P.

Vet Sci. 2024 Nov 11;11(11):558. doi: 10.3390/vetsci11110558.

PMID: 39591332 Free PMC article.

Prevalence and Characterization of Staphylococcus aureus Isolated from Meat and Milk in Northeastern Italy.

Pinamonti D, Manzano M, Maifreni M, Bianco S, Domi B, Ferrin A, Anba-Mondoloni J, Dechamps J, Briandet R, Vidic J.

J Food Prot. 2024 Dec 24;88(2):100442. doi: 10.1016/j.jfp.2024.100442. Online ahead of print.

PMID: 39725327

Antibacterial Activity and Mechanism of Lauric Acid Against *Staphylococcus aureus* and Its Application in Infectious Cooked Chicken.

Qingyan L, Susu S, Shuanglin L, Youhua X, Haiyang Y, Yuan Y.

Foodborne Pathog Dis. 2024 Dec;21(12):766-773. doi: 10.1089/fpd.2024.0063. Epub 2024 Sep 4.

PMID: 39230428

Evaluating the Growth of Staphylococcus aureus During Slow Cooking of Beef and Turkey Formulations from 10 °C to 54.4 °C for an Extended Time.

Shrestha S, Riemann M, Juneja VK, Mishra A.

J Food Prot. 2024 Dec 28;88(2):100445. doi: 10.1016/j.jfp.2024.100445. Online ahead of print.

PMID: 39736325

Occurrence, Multidrug Resistance, SCCmec Typing of Methicillin-Resistant Staphylococcus aureus from Farmed Eggs and Environment.

Taskeen S, Singh R, Bedi JS, Arora AK, Aulakh RS, Singh J.

Curr Microbiol. 2024 Dec 18;82(1):47. doi: 10.1007/s00284-024-04020-0.

PMID: 39692784

Vancomycin-resistant Staphylococcus aureus endangers Egyptian dairy herds.

Tartor YH, Enany ME, Ismail NI, El-Demerdash AS, Eidaroos NH, Algendy RM, Mahmmod Y, Elsohaby I.

Sci Rep. 2024 Dec 23;14(1):30606. doi: 10.1038/s41598-024-81516-6.

PMID: 39715776 Free PMC article.

Risk analysis of critical control points of *Staphylococcus aureus* in layer farms and chicken egg distributors.

Thaha AH, Malaka R, Hatta W, Maruddin F.

Ital J Food Saf. 2024 Jun 26;13(4):12409. doi: 10.4081/ijfs.2024.12409. eCollection 2024 Nov 12.

PMID: 39640892 Free PMC article.

Investigation of Biofilm Formation Ability and Antibiotic Resistance of *Staphylococcus aureus* Isolates from Food Products.

Titouche Y, Akkou M, Djaoui Y, Chergui A, Mechoub D, Bentayeb L, Fatihi A, Nia Y, Hennekinne JA.

Foodborne Pathog Dis. 2024 Nov 26. doi: 10.1089/fpd.2024.0121. Online ahead of print.

PMID: 39589773

The global regulator SpoVG is involved in biofilm formation and stress response in foodborne Staphylococcus aureus.

Xu L, Zhang X, Wang W, Shen J, Ma K, Wang H, Xue T.

Int J Food Microbiol. 2025 Jan 30;428:110997. doi: 10.1016/j.ijfoodmicro.2024.110997. Epub 2024 Nov 28.

PMID: 39616895

Multi-omics revealed antibacterial mechanisms of licochalcone A against MRSA and its antimicrobic potential on pork meat.

Zeng F, Shao S, Zou Z, Guo S, Cai Y, Yan C, Chen Y, Wang M, Shi T.

Food Chem X. 2024 Oct 11;24:101893. doi: 10.1016/j.fochx.2024.101893. eCollection 2024 Dec 30.

PMID: 39498259 Free PMC article.

Vibrio

Global prevalence patterns and distribution of Vibrio cholerae: A systematic review and meta-analysis of 176,740 samples.

Engku Abd Rahman ENS, Irekeola AA, Elmi AH, Chua WC, Chan YY.

J Infect Public Health. 2024 Nov;17(11):102558. doi: 10.1016/j.jiph.2024.102558. Epub 2024 Sep 27.

PMID: 39413666

Prevalence of *Vibrio* spp. in Seafood from German Supermarkets and Fish Markets.

Zeidler C, Szott V, Alter T, Huehn-Lindenbein S, Fleischmann S.

Foods. 2024 Dec 10;13(24):3987. doi: 10.3390/foods13243987.

PMID: 39766929 Free PMC article.

Cryptosporidium, Giardia, Toxoplasma

Food and Waterborne Cryptosporidiosis from a One Health Perspective: A Comprehensive Review.

Ali M, Ji Y, Xu C, Hina Q, Javed U, Li K.

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PMID: 39595339 Free PMC article. Review.

Prevalence of Intestinal Parasitic Infections and Associated Factors Among Food Handlers in East Africa: A Systematic Review and Meta-analysis.

Ashagre A, Misganaw T, Abebe W, Dejazmach Z, Amare GA, Wondmagegn YM, Worku KM, Adugna A, Ahmed H, Gedifie S, Kumie G, Nigatie M, Jemal A, Kasahun W, Ayana S, Asmare Z, Gashaw Y, Getachew E, Gashaw M, Sisay A, Tadesse S, Abate BB, Kidie AA, Reta MA.

Acta Parasitol. 2025 Jan 4;70(1):3. doi: 10.1007/s11686-024-00968-y.

PMID: 39755837 Review.

Epidemiology of gastrointestinal parasites of dogs in four districts of central Ethiopia: Prevalence and risk factors.

Bayou K, Terefe G, Kumsa B.

PLoS One. 2025 Jan 14;20(1):e0316539. doi: 10.1371/journal.pone.0316539. eCollection 2025.

PMID: 39808647 Free PMC article.

Outbreak of the novel *Cryptosporidium parvum* IIyA11 linked to salad bars in Sweden, December 2023.

Bujila I, Ohlson A, Hansen A, Agudelo L, Kühlmann-Berenzon S, Galanis I, Hall I, Gustavsson AM, Lebbad M, Lindblad M, Rönnberg C, Rehn M.

Epidemiol Infect. 2024 Nov 18;152:e140. doi: 10.1017/S0950268824001432.

PMID: 39552133 Free PMC article.

Diagnosis of *Giardia* spp. in ruminants at Southern Brazil.

Dos Santos TS, Meireles GR, da Silveira CG, de Mello GTC, da Silva SVN, Lignon JS, Martins NS, Pinto DM, Pappen FG.

Braz J Vet Med. 2024 Dec 18;46:e006524. doi: 10.29374/2527-2179.bjvm006524. eCollection 2024.

PMID: 39712863 Free PMC article.

Parasitic Contamination and Its Associated Factors in Fruits and Vegetables Collected From Ethiopia's Local Markets: A Systematic Review and Meta-Analysis.

Girma A, Aemiro A, Alamnie G, Mulie Y.

Environ Health Insights. 2024 Dec 19;18:11786302241307882. doi: 10.1177/11786302241307882. eCollection 2024.

PMID: 39703376 Free PMC article.

Unraveling the interplay between unicellular parasites and bacterial biofilms: Implications for disease persistence and antibiotic resistance.

Zanditenas E, Ankri S.

Virulence. 2024 Dec;15(1):2289775. doi: 10.1080/21505594.2023.2289775. Epub 2023 Dec 6.

PMID: 38058008 Free PMC article. Review.

Hepatitis A and Hepatitis E

Longitudinal survey of hepatitis E virus in extensively raised pigs in Spain.

Fajardo-Alonso T, García-Bocanegra I, Risalde MA, Rivero-Juárez A, Jiménez-Ruiz S, Cano-Terriza D, Casares-Jiménez M, Laguna E, Acevedo P, Frías M, Vicente J, Rivero A, Caballero-Gómez J.

Vet Microbiol. 2024 Nov;298:110256. doi: 10.1016/j.vetmic.2024.110256. Epub 2024 Sep 23.

PMID: 39366316

Hepatitis E Virus RNA Detection in Liver and Muscle Tissues Sampled from Home Slaughtered Domestic Pigs in Central Italy.

Ferri G, Giantomassi G, Tognetti D, Olivastri A, Vergara A.

Food Environ Virol. 2024 Dec;16(4):438-448. doi: 10.1007/s12560-024-09606-2. Epub 2024 Jun 11.

PMID: 38862750 Free PMC article.

Biosecurity measures reducing *Salmonella* spp. and hepatitis E virus prevalence in pig farms-a systematic review and meta-analysis.

Huber N, Meester M, Sassu EL, Waller ESL, Krumova-Valcheva G, Aprea G, D'Angelantonio D, Zoche-Golob V, Scattolini S, Marriott E, Smith RP, Burow E, Carreira GC.

Front Vet Sci. 2024 Dec 23;11:1494870. doi: 10.3389/fvets.2024.1494870. eCollection 2024.

PMID: 39764372 Free PMC article.

Inactivation of murine norovirus and hepatitis A virus on various frozen fruits using pulsed light.

Kim HJ, Jubinville E, Goulet-Beaulieu V, Jean J.

Int J Food Microbiol. 2024 Nov 2;424:110851. doi: 10.1016/j.ijfoodmicro.2024.110851. Epub 2024 Aug 2.

PMID: 39116463

Zoonotic and Food-Related Hazards Due to Hepatitis A and E in Africa: A Systematic Review and Meta-Analysis.

Odoom A, Boamah I, Sagoe KW, Kotey FC, Donkor ES.

Environ Health Insights. 2024 Nov 21;18:11786302241299370. doi: 10.1177/11786302241299370. eCollection 2024.

PMID: 39575136 Free PMC article. Review.

Contamination of Hepatitis E Virus in Pig Livers of Different Market Types Collected from Seven Provinces of China.

Wang J, Li F, Zhou L, Zou Y, Zhang S, Xie Q, Li N, Bai L, Fanning S, Gonzalez G, Bao H, Coughlan S, Jiang T.

Foodborne Pathog Dis. 2024 Oct 22. doi: 10.1089/fpd.2024.0057. Online ahead of print.

PMID: 39435726

Tick-borne Encephalitis Virus *(TBEV)*

No new publications between 19/06/2024 and 17/10/2024

Yersinia spp

Genomic characteristics and virulence of common but overlooked Yersinia intermedia, Y. frederiksenii, and Y. kristensenii in food.

Lü Z, Su L, Han M, Wang X, Li M, Wang S, Cui S, Chen J, Yang B.

Int J Food Microbiol. 2025 Jan 3;430:111052. doi: 10.1016/j.ijfoodmicro.2024.111052. Online ahead of print.

PMID: 39798383

Behaviour of Listeria monocytogenes and Yersinia enterocolitica during beef dry-aging up to 60 days.

Savini F, Prandini L, Indio V, Tomasello F, Seguino A, De Cesare A, Panseri S, Giacometti F, Delibato E, Bardasi L, Taddei R, Serraino A.

Int J Food Microbiol. 2025 Feb 2;429:110999. doi: 10.1016/j.ijfoodmicro.2024.110999. Epub 2024 Nov 29.

PMID: 39642410