

Antimicrobial Activity of Polylysine against *Escherichia coli*,
Salmonella Typhimurium, and *Listeria monocytogenes*
Extracts

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Citation Report

#	ARTICLE	IF	CITATIONS
1	RAPD Analysis of Salt-tolerant Yeasts from Contaminated Seasoned Pickled Plums and Their Growth Inhibition Using Food Additives. <i>Biocontrol Science</i> , 2008, 13, 125-130.	0.2	0
2	Computational Study on the Conformation and Vibration Frequencies of β -Sheet of β -Polylysine in Vacuum. <i>International Journal of Molecular Sciences</i> , 2009, 10, 3358-3370.	1.8	11
3	Responses of acid-stressed <i>Salmonella Typhimurium</i> in broth and chicken patties to subsequent antimicrobial stress with ϵ -polylysine and combined potassium lactate and sodium diacetate. <i>Food Microbiology</i> , 2009, 26, 467-474.	2.1	22
4	Antimicrobial Ingredients. , 2009, , 301-377.		9
5	Physical and thermo-mechanical properties of whey protein isolate films containing antimicrobials, and their effect against spoilage flora of fresh beef. <i>Food Hydrocolloids</i> , 2010, 24, 49-59.	5.6	94
6	Toxicity and Dose Response of Intra-Abdominally Administered Poly-L- β -Lysine and Poly-L-Glutamate for Postoperative Adhesion Protection. <i>European Surgical Research</i> , 2010, 44, 17-22.	0.6	12
7	Physicochemical Properties and Antimicrobial Efficacy of Electrostatic Complexes Based on Cationic β -Polylysine and Anionic Pectin. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 6776-6782.	2.4	50
8	Interactions of a Cationic Antimicrobial (β -Polylysine) with an Anionic Biopolymer (Pectin): An Isothermal Titration Calorimetry, Microelectrophoresis, and Turbidity Study. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 5579-5588.	2.4	59
9	Antimicrobial Potential of Polylysine in Edible Films. <i>Food Science and Technology Research</i> , 2011, 17, 375-380.	0.3	19
10	APPLICATION OF ACIDIC CALCIUM SULFATE AND β -POLYLYSINE TO PRE-RIGOR BEEF ROUNDS FOR REDUCTION OF PATHOGENS. <i>Journal of Food Safety</i> , 2011, 31, 395-400.	1.1	5
11	Efficacy of β -Polylysine, Lauric Arginate, or Acidic Calcium Sulfate Applied Sequentially for <i>Salmonella</i> Reduction on Membrane Filters and Chicken Carcasses. <i>Journal of Food Protection</i> , 2011, 74, 743-750.	0.8	26
12	Antimicrobials for Reduction of <i>Salmonella</i> Contamination in Uncooked, Surface-Browned Breaded Chicken Products. <i>Journal of Food Protection</i> , 2012, 75, 1023-1028.	0.8	10
13	Cationic Antimicrobial (β -Polylysine)–Anionic Polysaccharide (Pectin) Interactions: Influence of Polymer Charge on Physical Stability and Antimicrobial Efficacy. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 1837-1844.	2.4	48
14	Activity of Caprylic Acid, Carvacrol, ϵ -Polylysine and their Combinations against <i>Salmonella</i> in Ready-to-Eat Surface-Browned, Frozen, Breaded Chicken Products. <i>Journal of Food Science</i> , 2012, 77, 15M405-11.	1.5	36
15	Synthesis, photophysics and photochemistry of phthalocyanine- ϵ -polylysine conjugates in the presence of metal nanoparticles against <i>Staphylococcus aureus</i> . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 233, 24-33.	2.0	48
16	Cell envelope disruption of <i>E. coli</i> Exposed to β -polylysine by FESEM and TEM technology. <i>Scanning</i> , 2013, 35, 412-417.	0.7	9
17	The Antimicrobial Mechanism of Action of Epsilon-Poly- ϵ -Lysine. <i>Applied and Environmental Microbiology</i> , 2014, 80, 7758-7770.	1.4	218
18	Lauryl-poly-L-lysine: A New Antimicrobial Agent?. <i>Journal of Amino Acids</i> , 2014, 2014, 1-10.	5.8	18

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19	Antimicrobial delivery systems based on electrostatic complexes of ϵ -polylysine and anionic gum arabic. <i>Food Hydrocolloids</i> , 2014, 35, 137-143.	5.6	39
20	Surface Decontamination Treatments for Improving the Safety of Meat and Poultry. <i>Food Engineering Series</i> , 2014, , 155-174.	0.3	1
21	Antimicrobial Properties of Ethylene Vinyl Alcohol/Epsilon-Polylysine Films and Their Application in Surimi Preservation. <i>Food and Bioprocess Technology</i> , 2014, 7, 3548-3559.	2.6	13
22	Ingredient Technology for Food Preservation. <i>Industrial Biotechnology</i> , 2014, 10, 28-33.	0.5	9
23	Interaction of cationic antimicrobial (ϵ -polylysine) with food-grade biopolymers: Dextran, chitosan, carrageenan, alginate, and pectin. <i>Food Research International</i> , 2014, 64, 396-401.	2.9	36
24	Effects of μ -Polylysine on Physicochemical Characteristics of Chilled Pork. <i>Food and Bioprocess Technology</i> , 2014, 7, 2507-2515.	2.6	37
25	Antibacterial characteristics and mechanisms of ϵ -poly-lysine against <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> . <i>Food Control</i> , 2014, 43, 22-27.	2.8	178
26	Optimization of combinations of bactericidal and bacteriostatic treatments to control <i>Listeria monocytogenes</i> on cold-smoked salmon. <i>International Journal of Food Microbiology</i> , 2014, 179, 1-9.	2.1	21
27	Effect of Product Dimensions and Surface Browning Method on <i>Salmonella</i> Contamination in Frozen, Surface-Browned, Breaded Chicken Products Treated with Antimicrobials. <i>Journal of Food Science</i> , 2015, 80, M2815-21.	1.5	4
28	Survival of Unstressed and Acid-, Cold-, and Starvation-Stress-Adapted <i>Listeria monocytogenes</i> in Ham Extract with Hops Beta Acids and Consumer Acceptability of HBA on Ready-to-Eat Ham. <i>BioMed Research International</i> , 2015, 2015, 1-9.	0.9	3
29	Synergistic Antibacterial Effect of the Combination of ϵ -Polylysine and Nisin against <i>Enterococcus faecalis</i> . <i>Journal of Food Protection</i> , 2015, 78, 2200-2206.	0.8	17
30	Simultaneous, rapid and sensitive detection of three food-borne pathogenic bacteria using multicolor quantum dot probes based on multiplex fluoroimmunoassay in food samples. <i>LWT - Food Science and Technology</i> , 2015, 61, 368-376.	2.5	31
31	Potential impact of biopolymers (μ -polylysine and/or pectin) on gastrointestinal fate of foods: In vitro study. <i>Food Research International</i> , 2015, 76, 769-776.	2.9	6
32	Emerging trends in the application of nanobiosensors in the food industry. , 2016, , 663-696.		3
33	Zein and Its Composites and Blends with Natural Active Compounds. , 2016, , 503-513.		11
34	Recent Developments in Antimicrobial Polymers: A Review. <i>Materials</i> , 2016, 9, 599.	1.3	153
35	Antimicrobial, antioxidant, and antitumor activity of epsilon-poly-L-lysine and citral, alone or in combination. <i>Food and Nutrition Research</i> , 2016, 60, 31891.	1.2	45
36	Separation and purification of μ -poly- l -lysine from fermentation broth. <i>Process Biochemistry</i> , 2016, 51, 134-141.	1.8	23

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37	Safety evaluation and lipid-lowering effects of food-grade biopolymer complexes ($\hat{\mu}$ -polylysine-pectin) in mice fed a high-fat diet. <i>Food and Function</i> , 2017, 8, 1822-1829.	2.1	13
38	Physicochemical and antimicrobial properties of $\hat{\mu}$ -polylysine/carboxymethyl chitosan polyelectrolyte complexes and their effect against spoilage microorganisms in raw pork. <i>Food and Function</i> , 2017, 8, 2243-2248.	2.1	8
39	Improvement of $\hat{\mu}$ -polylysine production by marine bacterium <i>Bacillus licheniformis</i> using artificial neural network modeling and particle swarm optimization technique. <i>Biochemical Engineering Journal</i> , 2017, 126, 8-15.	1.8	32
40	Enhancing the antimicrobial activity of d-limonene nanoemulsion with the inclusion of $\hat{\mu}$ -polylysine. <i>Food Chemistry</i> , 2017, 221, 18-23.	4.2	82
41	Preparation, Characterization and Antimicrobial Activity of Sodium Alginate Nanobiocomposite Films Incorporated with $\hat{\mu}$ -Polylysine and Cellulose Nanocrystals. <i>Journal of Food Processing and Preservation</i> , 2017, 41, e13120.	0.9	16
42	Food-grade cationic antimicrobial $\hat{\mu}$ -polylysine transiently alters the gut microbial community and predicted metagenome function in CD-1 mice. <i>Npj Science of Food</i> , 2017, 1, 8.	2.5	31
43	The Application, Neurotoxicity, and Related Mechanism of Cationic Polymers—Conflict of Interests: All the Figures and Table in “The application, neurotoxicity, and related mechanism of cationic polymers” are original, unpublished materials designed and prepared by Yubin Li and Dianwen Ju. The authors declared that there is no conflict of interests., 2017, , 285-329.		18
44	The Use of Zein and Its Edible Films for the Development of Food Packaging Materials. , 2017, , .		8
45	Effects of $\hat{\mu}$ -Polylysine on <i>Pseudomonas Aeruginosa</i> and <i>Aspergillus Fumigatus</i> Biofilm In Vitro. <i>Medical Science Monitor</i> , 2017, 23, 4225-4229.	0.5	7
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47	Control of <i>Listeria monocytogenes</i> in whole milk using antimicrobials applied individually and in combination. <i>Journal of Dairy Science</i> , 2018, 101, 1889-1900.	1.4	19
48	Preparation, characterization and antimicrobial activity of $\hat{\mu}$ -poly-l-lysine with short chain length produced from glycerol by <i>Streptomyces albulus</i> . <i>Process Biochemistry</i> , 2018, 68, 22-29.	1.8	19
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50	Basic Strategies and Testing Methods to Develop Effective Edible Antimicrobial and Antioxidant Coating. , 2018, , 63-88.		1
51	Preparation of Antibacterial Cellulose Paper Using Layer-by-Layer Assembly for Cooked Beef Preservation at Ambient Temperature. <i>Polymers</i> , 2018, 10, 15.	2.0	22
52	Review of the application of $\hat{\mu}$ -polylysine in improving food quality and preservation. <i>Journal of Food Processing and Preservation</i> , 2019, 43, e14153.	0.9	39
53	Study on the shelf life and quality characteristics of highland barley fresh noodles as affected by microwave treatment and food preservatives. <i>Food Science and Nutrition</i> , 2019, 7, 2958-2967.	1.5	17
54	Shelf life extension of mozzarella cheese contaminated with <i>Penicillium</i> spp. using the antifungal compound $\hat{\mu}$ -polylysine. <i>Food Science and Technology International</i> , 2019, 25, 295-302.	1.1	6

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55	Peptide-Conjugated CuS Nanocomposites for NIR-Triggered Ablation of <i>Pseudomonas aeruginosa</i> Biofilm. <i>ACS Applied Bio Materials</i> , 2019, 2, 1614-1622.	2.3	4
56	Evaluation of μ -polylysine as antimicrobial alternative for liquid-stored boar semen. <i>Theriogenology</i> , 2019, 130, 146-156.	0.9	17
57	Biological Control of Food-Challenging Microorganisms. , 2019, , 733-754.		2
58	Biologically Functional Ultrathin Films Made of Zwitterionic Block Copolymer Micelles. <i>Langmuir</i> , 2019, 35, 1156-1171.	1.6	15
59	<i>Chlamydomonas</i> sp. as dynamic biorefinery feedstock for the production of methyl ester and ϵ -polylysine. <i>Bioresource Technology</i> , 2019, 272, 281-287.	4.8	15
60	Structural Changes and Antibacterial Activity of Epsilon-poly-L-lysine in Response to pH and Phase Transition and Their Mechanisms. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 1101-1109.	2.4	30
61	Optimized Cytocompatibility and Antimicrobial Activity of Octacalcium Phosphate/ μ -Polylysine Composite Coating Electrochemically Codeposited on Medical Titanium. <i>ACS Applied Bio Materials</i> , 2020, 3, 335-345.	2.3	4
62	Properties of epsilon-polylysine-HCl/high-methoxyl pectin polyelectrolyte complexes and their commercial application. <i>Journal of Food Processing and Preservation</i> , 2020, 44, e14320.	0.9	17
63	Dietary Supplementation of μ -Polylysine Beneficially Affects Ileal Microbiota Structure and Function in Ningxiang Pigs. <i>Frontiers in Microbiology</i> , 2020, 11, 544097.	1.5	11
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65	Multifunctional Antimicrobial Polypeptide-Selenium Nanoparticles Combat Drug-Resistant Bacteria. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 55696-55709.	4.0	40
66	μ -Polylysine Nanoconjugates: Value-Added Antimicrobials for Drug-Resistant Bacteria. <i>ACS Applied Bio Materials</i> , 2020, 3, 6688-6696.	2.3	10
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68	Effects of chitosan combined with μ -polylysine coating on flavor and texture quality of Chinese shrimp during refrigerated storage. <i>Food Science and Nutrition</i> , 2020, 8, 1480-1488.	1.5	10
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70	Oregano Oil, Epsilon-Polylysine and Citric Acid Assisted Inactivation of Salmonella in Two Kinds of Tahini during Thermal Treatment and Storage. <i>Foods</i> , 2021, 10, 1272.	1.9	13
71	Physicochemical and Antibacterial Properties of Sodium Tripolyphosphate/ μ -Polylysine Complexes and their Application in Cooked Sausage. <i>Food Biophysics</i> , 2021, 16, 415-425.	1.4	3
72	Microalgal feedstock for the production of omega-3 fatty acid ethyl esters and ϵ -polylysine. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2021, 31, e00656.	2.1	0

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73	Effects of ethanol stress on epsilon-poly-L-lysine ($\hat{\mu}$ -PL) biosynthesis in <i>Streptomyces albulus</i> X-18. <i>Enzyme and Microbial Technology</i> , 2022, 153, 109907.	1.6	6
74	Evaluation of combinations of nisin, lauric arginate, and $\hat{\mu}$ -polylysine to control <i>Listeria monocytogenes</i> in queso fresco. <i>Journal of Dairy Science</i> , 2020, 103, 11152-11162.	1.4	10
75	Phytochemical Composition, Antioxidant and Antibacterial Properties of Pummelo (<i>Citrus maxima</i> (Burm.) Merr. against <i>Escherichia coli</i> and <i>Salmonella typhimurium</i>. <i>Food and Nutrition Sciences (Print)</i> , 2014, 05, 749-758.	0.2	4
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77	Evaluation of Antimicrobial Activities of Sequential Spray Applications of Decontamination Treatments on Chicken Carcasses. <i>Asian-Australasian Journal of Animal Sciences</i> , 2015, 28, 405-410.	2.4	8
78	Enabling Cost-Effective Screening for Antimicrobials against <i>Listeria monocytogenes</i> in Ham. <i>Journal of Food Protection</i> , 2021, 84, 802-810.	0.8	6
79	Effect of biopolymer coatings made of zein nanoparticles and $\hat{\mu}$ -polylysine as postharvest treatments on the shelf-life of avocados (<i>Persea americana</i> Mill. Cv. Hass). <i>Journal of Agriculture and Food Research</i> , 2022, 7, 100260.	1.2	11
80	Multi-omics reveals host metabolism associated with the gut microbiota composition in mice with dietary $\hat{\mu}$ -polylysine. <i>Food and Function</i> , 2022, 13, 4069-4085.	2.1	3
81	Inactivation of Polymicrobial Biofilms of Foodborne Pathogens Using Epsilon Poly-L-Lysin Conjugated Chitosan Nanoparticles. <i>Foods</i> , 2022, 11, 569.	1.9	6
82	Comparative Study of $\hat{\epsilon}$ -Polylysine or Nisin Inhibition Kinetics of <i>Lactococcus lactis</i> and Spoilage Microorganisms in Fresh <i>Flammulina velutipes</i> Fruiting Bodies. <i>Journal of Food Quality</i> , 2022, 2022, 1-12.	1.4	2
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91	Dietary $\hat{\mu}$ -Polylysine Affects on Gut Microbiota and Plasma Metabolites Profiling in Mice. <i>Frontiers in Nutrition</i> , 2022, 9, 842686.	1.6	5
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94	Antibacterial Activity and Mechanism of Action of Whey Protein- $\hat{\mu}$ -Polylysine Complexes against <i>Staphylococcus aureus</i> and <i>Bacillus subtilis</i> . <i>Foods</i> , 2022, 11, 2311.	1.9	6
95	Unraveling the effect of the combination of modified atmosphere packaging and $\hat{\mu}$ -polylysine on the physicochemical properties and bacterial community of greater amberjack (<i>Seriola dumerili</i>). <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	0
96	Effects of conjugates of $\hat{\mu}$ -polylysine-dextran created through Maillard reaction on quality and storage stability of the chicken gel. <i>Food Research International</i> , 2023, 164, 112360.	2.9	2
97	Preparation of PLGA/ $\hat{\mu}$ -polylysine nanofibers and their application for pork preservation. <i>Food Packaging and Shelf Life</i> , 2023, 35, 101031.	3.3	4
98	Phospholipid lateral diffusion in the presence of cationic peptides as measured via 31P CODEX NMR. <i>Biophysical Chemistry</i> , 2023, 295, 106964.	1.5	1

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