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Essential oils in food preservation: mode of action, synergies, and interactions with food matrix components

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| 1140 | Modern approaches in probiotics research to control foodborne pathogens. 2012 , 67, 185-239 | | 28 |
| 1139 | Effect of cinnamon and lavender oils on FtsZ gene expression in the Staphylococcus aureus ATCC 29213. 2013 , 49, 481-484 | | 7 |
| 1138 | Antimicrobial and antioxidant activities of the essential oil from onion (Allium cepa L.). 2013 , 30, 48-53 | | 120 |
| 1137 | Antimicrobial activity of binary combinations of natural and synthetic phenolic antioxidants against Enterococcus faecalis. 2013 , 96, 4912-20 | | 20 |
| 1136 | Effect of essential oil from fresh leaves of Ocimum gratissimum L. on mycoflora during storage of peanuts in Benin. 2013 , 29, 29-38 | | 7 |
| 1135 | Use of Essential Oils and Their Components against Multidrug-Resistant Bacteria. 2013, 65-94 | | 11 |
| 1134 | Synergistic combinations of high hydrostatic pressure and essential oils or their constituents and their use in preservation of fruit juices. 2013 , 161, 23-30 | | 55 |
| 1133 | Combining Plant Essential Oils and Antimycotics in Coping with Antimycotic-Resistant Candida Species. 2013 , 263-281 | | |
| | | | |
| 1132 | Effect of essential oils on pathogenic bacteria. 2013 , 6, 1451-74 | | 845 |
| 1132 | Effect of essential oils on pathogenic bacteria. 2013, 6, 1451-74 The Hurdle Effect of Bunium persicum Essential Oil, Smoke and NaCl for Controlling the Listeria monocytogenes Growth in Fish Model Systems. 2013, 33, 137-144 | | 9 |
| | The Hurdle Effect of Bunium persicum Essential Oil, Smoke and NaCl for Controlling the Listeria | | |
| 1131 | The Hurdle Effect of Bunium persicum Essential Oil, Smoke and NaCl for Controlling the Listeria monocytogenes Growth in Fish Model Systems. 2013 , 33, 137-144 Anti-inflammatory activity of Ocimum americanum L. essential oil in experimental model of | | 9 |
| 1131 | The Hurdle Effect of Bunium persicum Essential Oil, Smoke and NaCl for Controlling the Listeria monocytogenes Growth in Fish Model Systems. 2013, 33, 137-144 Anti-inflammatory activity of Ocimum americanum L. essential oil in experimental model of zymosan-induced arthritis. 2013, 41, 913-26 | | 9 23 |
| 1131 1130 1129 | The Hurdle Effect of Bunium persicum Essential Oil, Smoke and NaCl for Controlling the Listeria monocytogenes Growth in Fish Model Systems. 2013, 33, 137-144 Anti-inflammatory activity of Ocimum americanum L. essential oil in experimental model of zymosan-induced arthritis. 2013, 41, 913-26 Antimicrobial Activity of Crude Methanolic Extract from Phyllanthus niruri. 2013, 8, 1934578X1300800 Comparative Evaluation of the Inhibitory Effect of Some Essential Oils with Antibiotics against | | 9 23 6 |
| 1131 1130 1129 1128 | The Hurdle Effect of Bunium persicum Essential Oil, Smoke and NaCl for Controlling the Listeria monocytogenes Growth in Fish Model Systems. 2013, 33, 137-144 Anti-inflammatory activity of Ocimum americanum L. essential oil in experimental model of zymosan-induced arthritis. 2013, 41, 913-26 Antimicrobial Activity of Crude Methanolic Extract from Phyllanthus niruri. 2013, 8, 1934578X1300800 Comparative Evaluation of the Inhibitory Effect of Some Essential Oils with Antibiotics against Pseudomonas aeruginosa. 2014, 2014, 1-5 An in vitro synergistic interaction of combinations of Thymus glabrescens essential oil and its main | | 9 23 6 11 |
| 1131 1130 1129 1128 | The Hurdle Effect of Bunium persicum Essential Oil, Smoke and NaCl for Controlling the Listeria monocytogenes Growth in Fish Model Systems. 2013, 33, 137-144 Anti-inflammatory activity of Ocimum americanum L. essential oil in experimental model of zymosan-induced arthritis. 2013, 41, 913-26 Antimicrobial Activity of Crude Methanolic Extract from Phyllanthus niruri. 2013, 8, 1934578X1300800 Comparative Evaluation of the Inhibitory Effect of Some Essential Oils with Antibiotics against Pseudomonas aeruginosa. 2014, 2014, 1-5 An in vitro synergistic interaction of combinations of Thymus glabrescens essential oil and its main constituents with chloramphenicol. 2014, 2014, 826219 Effect of Cymbopogon martinii, Foeniculum vulgare, and Trachyspermum ammi Essential Oils on | | 9 23 6 11 |

| 1123 | Effect of cinnamon essential oil and cinnamaldehyde on Salmonella Saintpaul biofilm on a stainless steel surface. 2014 , 60, 119-21 | 14 |
|------|---|-----|
| 1122 | Essential Oils from Schinus Species of Northwest Argentina: Composition and Antifungal Activity. 2014 , 9, 1934578X1400900 | 1 |
| 1121 | Profile of Volatile Components of Hydrodistilled and Extracted Leaves of Jacaranda acutifolia and their Antimicrobial Activity Against Foodborne Pathogens. 2014 , 9, 1934578X1400900 | 5 |
| 1120 | Eucalyptus essential oil as a natural food preservative: in vivo and in vitro antiyeast potential. 2014 , 2014, 969143 | 27 |
| 1119 | Chemical Composition, Antioxidant and Antimicrobial Activities of Thymus capitata Essential Oil with Its Preservative Effect against Listeria monocytogenes Inoculated in Minced Beef Meat. 2014 , 2014, 152487 | 46 |
| 1118 | Combinatorial antimicrobial effect of curcumin with selected phytochemicals on Staphylococcus epidermidis. 2014 , 16, 535-41 | 34 |
| 1117 | Potential Application of Essential Oils as Natural Antioxidants in Meat and Meat Products: A Review. 2014 , 30, 71-90 | 62 |
| 1116 | Antimicrobial activity against beneficial microorganisms and chemical composition of essential oil of Mentha suaveolens ssp. insularis grown in Sardinia. 2014 , 79, M369-77 | 20 |
| 1115 | Listeria monocytogenes in Vacuum-Packed Smoked Fish Products: Occurrence, Routes of Contamination, and Potential Intervention Measures. 2014 , 13, 172-189 | 31 |
| 1114 | Effect of essential oils on Aspergillus spore germination, growth and mycotoxin production: a potential source of botanical food preservative. 2014 , 4, S373-81 | 37 |
| 1113 | Combating pathogenic microorganisms using plant-derived antimicrobials: a minireview of the mechanistic basis. 2014 , 2014, 761741 | 92 |
| 1112 | Safranal transference from ewe's milk to cheese and whey and antifungal properties of fortified whey. 2014 , 94, 83-89 | 6 |
| 1111 | Synergistic Effect of Orange Essential Oil or (+)-limonene with Heat Treatments to Inactivate Escherichia coli O157:H7 in Orange Juice at Lower Intensities while Maintaining Hedonic Acceptability. 2014 , 7, 471-481 | 42 |
| 1110 | Use of the modified Gompertz equation to assess the Stevia rebaudiana Bertoni antilisterial kinetics. 2014 , 38, 56-61 | 25 |
| 1109 | Essential oils show specific inhibiting effects on bacterial biofilm formation. 2014 , 36, 224-229 | 54 |
| 1108 | Binary combinations of BHA and other natural and synthetic phenolics: Antimicrobial activity against Staphylococcus aureus and antioxidant capacity. 2014 , 42, 303-309 | 11 |
| 1107 | Impacts of sample preparation methods on solubility and antilisterial characteristics of essential oil components in milk. 2014 , 80, 907-16 | 59 |
| 1106 | Effect of quince seed mucilage edible films incorporated with oregano or thyme essential oil on shelf life extension of refrigerated rainbow trout fillets. 2014 , 174, 88-97 | 150 |

| 1105 | Microbes versus microbes: control of pathogens in the food chain. 2014 , 94, 3079-89 | 29 |
|------|--|-----|
| 1104 | Chemical composition and antioxidant properties of Laurus nobilis L. and Myrtus communis L. essential oils from Morocco and evaluation of their antimicrobial activity acting alone or in combined processes for food preservation. 2014 , 94, 1197-204 | 83 |
| 1103 | Chemical composition, antioxidant and antimicrobial properties of Mentha pulegium, Lavandula stoechas and Satureja calamintha Scheele essential oils and an evaluation of their bactericidal effect in combined processes. 2014 , 22, 221-229 | 71 |
| 1102 | Use of blends of organic acids and oregano extracts in feed and water of broiler chickens to controlSalmonella Enteritidis persistence in the crop and ceca of experimentally infected birds. 2014 , 23, 671-682 | 8 |
| 1101 | Oxygenated monoterpenes citral and carvacrol cause oxidative damage in Escherichia coli without the involvement of tricarboxylic acid cycle and Fenton reaction. 2014 , 189, 126-31 | 40 |
| 1100 | Rhamnolipids as emulsifying agents for essential oil formulations: antimicrobial effect against Candida albicans and methicillin-resistant Staphylococcus aureus. 2014 , 476, 134-41 | 65 |
| 1099 | Quorum Sensing Inhibitory and Anti-Biofilm Activity of Essential Oils and Their in vivo Efficacy in Food Systems. 2014 , 28, 269-292 | 39 |
| 1098 | No induction of antimicrobial resistance in Staphylococcus aureus and Listeria monocytogenes during continuous exposure to eugenol and citral. 2014 , 354, 92-101 | 47 |
| 1097 | Chemical composition, antibacterial and antioxidant activity of essential oil of Eupatorium adenophorum Spreng. from Eastern Uttar Pradesh, India. 2014 , 7, 80-87 | 22 |
| 1096 | Lippia origanoides H.B.K. essential oil production, composition, and antioxidant activity under organic and mineral fertilization: Effect of harvest moment. 2014 , 60, 217-225 | 10 |
| 1095 | Satureja horvatii essential oil: in vitro antimicrobial and antiradical properties and in situ control of Listeria monocytogenes in pork meat. 2014 , 96, 1355-60 | 54 |
| 1094 | Organic and mineral fertilization influence on biomass and essential oil production, composition and antioxidant activity of Lippia origanoides H.B.K 2014 , 59, 169-176 | 16 |
| 1093 | Chemical composition and possible use as adjuvant of the antibiotic therapy of the essential oil of Rosmarinus officinalis L 2014 , 59, 290-294 | 33 |
| 1092 | Attachment and biofilm formation by foodborne bacteria in meat processing environments: causes, implications, role of bacterial interactions and control by alternative novel methods. 2014 , 97, 298-309 | 212 |
| 1091 | Synergy between essential oil components and antibiotics: a review. 2014 , 40, 76-94 | 283 |
| 1090 | Unravelling the complex antimicrobial interactions of essential oilsthe case of Thymus vulgaris (thyme). 2014 , 19, 2896-910 | 43 |
| 1089 | Mycotoxins Contamination in Food: Alternative Plant Preservatives, Legislation and Detection Methods. 2014 , 1-27 | |
| 1088 | Antibacterial action against food-borne microorganisms and antioxidant activity of carvacrol-rich oil from Lippia origanoides Kunth. 2015 , 14, 145 | 15 |

(2015-2015)

| 1087 | with Natural Plant Hydrosols. 2015 , 39, 1587-1594 | | 6 |
|------|---|-----|-----|
| 1086 | Essential oils from herbs against foodborne pathogens in chicken sausage. 2015 , 64, 117-24 | | 10 |
| 1085 | Isoeugenol has a non-disruptive detergent-like mechanism of action. <i>Frontiers in Microbiology</i> , 2015 , 6, 754 | 5.7 | 26 |
| 1084 | Antimicrobial and Anti-Virulence Activity of Capsaicin Against Erythromycin-Resistant, Cell-Invasive Group A Streptococci. <i>Frontiers in Microbiology</i> , 2015 , 6, 1281 | 5.7 | 62 |
| 1083 | Comparative study of the effects of citral on the growth and injury of Listeria innocua and Listeria monocytogenes cells. 2015 , 10, e0114026 | | 39 |
| 1082 | Chemical Composition and Antioxidant and Antibacterial Activities of an Essential Oil Extracted from an Edible Seaweed, Laminaria japonica L. 2015 , 20, 12093-113 | | 42 |
| 1081 | Chemoinformatics Approach to Antibacterial Studies of Essential Oils. 2015 , 10, 1934578X1501000 | | 4 |
| 1080 | In vitro genotoxicity testing of carvacrol and thymol using the micronucleus and mouse lymphoma assays. 2015 , 784-785, 37-44 | | 24 |
| 1079 | Mentha suaveolens Ehrh. (Lamiaceae) Essential Oil and Its Main Constituent Piperitenone Oxide: Biological Activities and Chemistry. 2015 , 20, 8605-33 | | 40 |
| 1078 | Bioactivity of Apium petroselinum and Portulaca oleracea Essential Oils as Natural Preservatives. 2015 , 8, e20128 | | 5 |
| 1077 | Efficacies of nisin A and nisin V semipurified preparations alone and in combination with plant essential oils for controlling Listeria monocytogenes. 2015 , 81, 2762-9 | | 35 |
| 1076 | Thiol-reactive natural antimicrobials and high pressure treatment synergistically enhance bacterial inactivation. 2015 , 27, 26-34 | | 26 |
| 1075 | The use of natural antimicrobials in food: An overview. 2015 , 1-27 | | 6 |
| 1074 | Antibacterial activity of Oregano, Rosmarinus and Thymus essential oils against Staphylococcus aureus and Listeria monocytogenes in beef meatballs. 2015 , 54, 188-199 | | 119 |
| 1073 | The use of polysaccharide-based edible coatings enriched with essential oils to improve shelf-life of strawberries. 2015 , 110, 51-60 | | 81 |
| 1072 | Effect of Essential Oils on Germination and Growth of Some Pathogenic and Spoilage Spore-Forming Bacteria. 2015 , 12, 551-9 | | 12 |
| 1071 | Advances in phenolic compounds analysis of aromatic plants and their potential applications. 2015 , 45, 336-354 | | 114 |
| 1070 | Eugenol: a phyto-compound effective against methicillin-resistant and methicillin-sensitive Staphylococcus aureus clinical strain biofilms. 2015 , 10, e0119564 | | 117 |

| 1069 | Antimicrobial activity of essential oils and carvacrol, and synergy of carvacrol and erythromycin, against clinical, erythromycin-resistant Group A Streptococci. <i>Frontiers in Microbiology</i> , 2015 , 6, 165 | 5.7 | 117 |
|------|---|-----|-----|
| 1068 | Effects of Plant-Derived Extracts, Other Antimicrobials, and Their Combinations against Escherichia coli O157:H7 in Beef Systems. 2015 , 78, 1090-7 | | 4 |
| 1067 | Antimicrobial activities of selected essential oils against Fusarium oxysporum isolates and their biofilms. 2015 , 99, 115-121 | | 33 |
| 1066 | Development and Application of Novel Antimicrobials in Food and Food Processing. 2015 , 347-364 | | 2 |
| 1065 | Plant essential oils and allied volatile fractions as multifunctional additives in meat and fish-based food products: a review. 2015 , 32, 1049-64 | | 47 |
| 1064 | Cyclodextrins enhance the antioxidant activity of essential oils from three Lamiaceae species. 2015 , 70, 341-346 | | 25 |
| 1063 | In vitro toxicological evaluation of essential oils and their main compounds used in active food packaging: A review. 2015 , 81, 9-27 | | 88 |
| 1062 | Binary combination of epsilon-poly-L-lysine and isoeugenol affect progression of spoilage microbiota in fresh turkey meat, and delay onset of spoilage in Pseudomonas putida challenged meat. 2015 , 215, 131-42 | | 18 |
| 1061 | Cyclic and Linear Monoterpenes in Phospholipid Membranes: Phase Behavior, Bilayer Structure, and Molecular Dynamics. 2015 , 31, 11067-77 | | 19 |
| 1060 | Cytotoxicity and effect of extraction methods on the chemical composition of essential oils of Moringa oleifera seeds. 2015 , 16, 680-9 | | 22 |
| 1059 | Antifungal effect of cinnamon essential oil on Byssochlamys fulva in liquid medium and tomato sauce. 2015 , 9, 586-591 | | 2 |
| 1058 | Effects of essential oils from African basil on fermentation of Andropogon gayanusgrass in the Artificial Rumen (RUSITEC). 2015 , 95, 425-431 | | |
| 1057 | Antimicrobial Activity of Thyme (Tymus vulgaris) and Oregano (Origanum vulgare) Essential Oils against Some Food-borne Microorganisms. 2015 , 5, 18-21 | | 56 |
| 1056 | Factors influencing synergistic antimicrobial activity of thymol and nisin against Shigella spp. in sugarcane juice. 2015 , 70, 1003-1010 | | 2 |
| 1055 | Antifungal activity of geraniol and citronellol, two monoterpenes alcohols, against Trichophyton rubrum involves inhibition of ergosterol biosynthesis. 2015 , 53, 228-34 | | 53 |
| 1054 | Application of an oregano oil nanoemulsion to the control of foodborne bacteria on fresh lettuce. 2015 , 47, 69-73 | | 187 |
| 1053 | Enhanced bactericidal effect of enterocin A in combination with thyme essential oils against L. monocytogenes and E. coli O157:H7. 2015 , 52, 2148-56 | | 18 |
| 1052 | An investigation of the bactericidal activity of selected essential oils to Aeromonas spp. 2015 , 6, 89-97 | | 27 |

(2016-2015)

| 1051 | selected essential oils. 2015 , 50, 794-803 | 71 |
|------|--|----|
| 1050 | Ultrastructural effect on mastitis pathogens by extract of endophytic fungi associated with ethnoveterinary plant, L. 2015 , 3, 38-43 | 6 |
| 1049 | The application of pullulan coating enriched with extracts from Bergenia crassifolia to control the growth of food microorganisms and improve the quality of peppers and apples. 2015 , 94, 422-433 | 24 |
| 1048 | LDPE/clay/carvacrol nanocomposites with prolonged antimicrobial activity. 2015, 132, | 31 |
| 1047 | Growth inhibition of the stored fish (Ethmalosa fimbriata) fungus Aspergillus flavus, exposed to extracted essential oils from Callistemon citrinus and Ocimum canum. 2016 , 10, 1164-1172 | 3 |
| 1046 | Efficient control of conidium germination, mycelial growth and early blight in tomato in vitro with essential oils under farm conditions. 2016 , 11, 4401-4412 | |
| 1045 | Evaluation of the Antibacterial Activity of Bergamot Essential Oils on Different Strains. 2016 , 5, 6176 | 9 |
| 1044 | Juniper (Juniperus communis L.) Oils. 2016 , 495-500 | 5 |
| 1043 | The Antimicrobial Effects of Essential Oil in Combination with Conventional Antimicrobial Agents. 2016 , 2016, 2752739 | 22 |
| 1042 | The Essential Oils of Hairy Roots and Roots of Soil-Grown Plants: Chemical Composition and Antimicrobial, Anti-Inflammatory, and Antioxidant Activities. 2016 , 2016, 8505384 | 13 |
| 1041 | Combined effect of lactic acid, bioactive components and modified atmosphere packaging on the quality of minced meat. 2016 , 34, 52-60 | 2 |
| 1040 | Antibacterial and Antioxidant Properties of the Leaves and Stem Essential Oils of L. 2016 , 2016, 9392716 | 12 |
| 1039 | Use of Plant Extracts as an Effective Manner to Control Induced Necrotic Enteritis in Poultry. 2016 , 2016, 3278359 | 28 |
| 1038 | Determination of formation constants and structural characterization of cyclodextrin inclusion complexes with two phenolic isomers: carvacrol and thymol. 2016 , 12, 29-42 | 49 |
| 1037 | Chemical composition, antioxidant effects and antimicrobial activities of some spices essential oils on food pathogenic bacteria. 2016 , 15, 649-656 | 3 |
| 1036 | Ajwain (Trachyspermum ammi L.) Oils. 2016 , 181-192 | 7 |
| 1035 | Sweet Flag (Acorus calamus) Oils. 2016 , 775-782 | 1 |
| 1034 | Antibacterial Activity and Action Mechanism of the Essential Oil from Enteromorpha linza L. against Foodborne Pathogenic Bacteria. 2016 , 21, 388 | 39 |

| 1033 | Cinnamaldehyde and Eugenol. 2016 , 479-490 | | 5 |
|------|---|-----|----|
| 1032 | Nutmeg (Myristica fragrans Houtt.) Oils. 2016 , 607-616 | | 15 |
| 1031 | Sweet Fennel (Ocimum gratissimum) Oils. 2016 , 765-773 | | 2 |
| 1030 | Emergence of Hyper-Resistant Escherichia coli MG1655 Derivative Strains after Applying Sub-Inhibitory Doses of Individual Constituents of Essential Oils. <i>Frontiers in Microbiology</i> , 2016 , 7, 273 | 5.7 | 21 |
| 1029 | Synergistic and Additive Effect of Oregano Essential Oil and Biological Silver Nanoparticles against Multidrug-Resistant Bacterial Strains. <i>Frontiers in Microbiology</i> , 2016 , 7, 760 | 5.7 | 76 |
| 1028 | Beneficial Effects of Spices in Food Preservation and Safety. <i>Frontiers in Microbiology</i> , 2016 , 7, 1394 | 5.7 | 63 |
| 1027 | A Bioengineered Nisin Derivative, M21A, in Combination with Food Grade Additives Eradicates Biofilms of. <i>Frontiers in Microbiology</i> , 2016 , 7, 1939 | 5.7 | 30 |
| 1026 | Annona Species (Annonaceae) Oils. 2016 , 221-229 | | 4 |
| 1025 | Jasmine (Jasminum sambac L., Oleaceae) Oils. 2016 , 487-494 | | 1 |
| 1024 | Chemical Composition, Antioxidant and Antimicrobial Activity of Essential Oils from Organic Fennel, Parsley, and Lavender from Spain. 2016 , 5, | | 41 |
| 1023 | Antibacterial Activity of Fructus forsythia Essential Oil and the Application of EO-Loaded Nanoparticles to Food-Borne Pathogens. 2016 , 5, | | 10 |
| 1022 | Essential Oils and Their Components as Modulators of Antibiotic Activity against Gram-Negative Bacteria. 2016 , 3, | | 28 |
| 1021 | Chemical Composition, Cytotoxic, Apoptotic and Antioxidant Activities of Main Commercial Essential Oils in Palestine: A Comparative Study. 2016 , 3, | | 13 |
| 1020 | Antimicrobial Activity and Possible Mechanism of Action of Citral against Cronobacter sakazakii. 2016 , 11, e0159006 | | 95 |
| 1019 | Essential Oils: Isolation, Production and Uses. 2016 , 552-557 | | 5 |
| 1018 | Use of Essential Oils in Poultry Production. 2016 , 101-110 | | 3 |
| 1017 | Synergistic Antimicrobial Effects of Organic Acids in Combination with Carvacrol Against Shigella Sonnei. 2016 , 36, 360-366 | | 7 |
| 1016 | Multiphase thermoplastic hybrid for controlled release of antimicrobial essential oils in active packaging film. 2016 , 27, 1476-1483 | | 2 |

| 1015 | Therapeutic Potential of Essential Oils Focusing on Diterpenes. 2016 , 30, 1420-44 | 44 |
|------|--|----|
| 1014 | In vitro susceptibility of Brachyspira hyodysenteriae to organic acids and essential oil components. 2016 , 78, 325-8 | 13 |
| 1013 | Polyethylene-based Bio- and Nanocomposites for Packaging Applications. 2016 , 365-404 | 1 |
| 1012 | Essential Oils as Antimicrobial Agents Against Some Important Plant Pathogenic Bacteria and Fungi. 2016 , 271-296 | 1 |
| 1011 | Chemical Composition and Antimicrobial Activities of Three Satureja Species Against Food-borne Pathogens. 2016 , 19, 1984-1992 | 9 |
| 1010 | Antimicrobial properties and mode of action of mustard and cinnamon essential oils and their combination against foodborne bacteria. 2016 , 36, 26-33 | 65 |
| 1009 | Antimicrobial activity of combined thyme and rosemary essential oils against Listeria monocytogens in Italian mortadella packaged in modified atmosphere. 2016 , 28, 467-474 | 20 |
| 1008 | Utilization of pyrolytic substrate by microalga Chlamydomonas reinhardtii: cell membrane property change as a response of the substrate toxicity. 2016 , 100, 4241-51 | 10 |
| 1007 | Strategies to control post-harvest diseases of table grape: a review. 2016 , 27, 105-122 | 14 |
| 1006 | Antimicrobial effect of essential oils of Laurus nobilis L. and Rosmarinus officinallis L. on shelf-life of minced Maronesalbeef stored under different packaging conditions. 2016 , 8, 71-80 | 23 |
| 1005 | Ultrasound pretreatment impact on Prangos ferulacea Lindl. and Satureja macrosiphonia Bornm. essential oil extraction and comparing their physicochemical and biological properties. 2016 , 87, 105-115 | 31 |
| 1004 | Mixture design of Origanum compactum, Origanum majorana and Thymus serpyllum essential oils: Optimization of their antibacterial effect. 2016 , 89, 1-9 | 58 |
| 1003 | Natural Antimicrobial Edible Coatings for Microbial Safety and Food Quality Enhancement. 2016 , 15, 1080-1103 | 88 |
| 1002 | Evaluation of five essential oils as bio-fungicides on the control of Pilidiella granati rot in pomegranate. 2016 , 89, 66-71 | 15 |
| 1001 | Optimization of Callus Induction and Cell Suspension Culture of Betula pendula Roth for Improved Production of Betulin, Betulinic Acid, and Antioxidant Activity. 2016 , 52, 400-407 | 11 |
| 1000 | Antilisterial effects of antibacterial formulations containing essential oils, nisin, nitrite and organic acid salts in a sausage model. 2016 , 53, 2625-33 | 12 |
| 999 | The Potential of the Incorporation of Essential Oils and Their Individual Constituents to Improve Microbial Safety in Juices: A Review. 2016 , 15, 753-772 | 33 |
| 998 | Antimicrobial Effect of Malpighia Punicifolia and Extension of Water Buffalo Steak Shelf-Life. 2016 , 81, M97-105 | 16 |

| 997 | Proteolysis, Lipolysis and Sensory Characteristics of a Tunisian Dry Fermented Poultry Meat Sausage with Oregano and Thyme Essential Oils. 2016 , 36, 19-32 | 23 |
|-----|--|----|
| 996 | In vitro study of anti-coccidial activity of essential oils from indigenous plants against Eimeria tenella. 2016 , 228, 96-102 | 12 |
| 995 | Antimicrobial efficacy of sequentially applied eugenol against food spoilage micro-organisms. 2016 , 121, 1699-1709 | 4 |
| 994 | Coupling solid phase microextraction to complementary separation platforms for metabotyping of E. coli metabolome in response to natural antibacterial agents. 2016 , 12, 1 | 19 |
| 993 | Effectiveness of essential oils for postharvest control of Phyllosticta citricarpa (citrus black spot) on citrus fruit. 2016 , 121, 1-8 | 7 |
| 992 | Antimicrobial Activity of the Glucosinolates. 2016 , 1-26 | 1 |
| 991 | Hydrosol of Thymbra capitata Is a Highly Efficient Biocide against Salmonella enterica Serovar Typhimurium Biofilms. 2016 , 82, 5309-19 | 23 |
| 990 | Survival and Reduction of Shiga Toxin-Producing Escherichia coli in a Fresh Cold-Pressed Juice Treated with Antimicrobial Plant Extracts. 2016 , 81, M1987-95 | 13 |
| 989 | Modeling the Transfer of Salmonella Enteritidis during Slicing of Ready-to-Eat Turkey Products Treated with Thyme Essential Oil. 2016 , 81, M2770-M2775 | 3 |
| 988 | Tools for Defusing a Major Global Food and Feed Safety Risk: Nonbiological Postharvest Procedures To Decontaminate Mycotoxins in Foods and Feeds. 2016 , 64, 8959-8972 | 30 |
| 987 | Bactericidal and antioxidant properties of essential oils from the fruits Dennettia tripetala G. Baker. 2016 , 16, 486 | 13 |
| 986 | Destruction of Opportunistic Pathogens via Polymer Nanoparticle-Mediated Release of Plant-Based Antimicrobial Payloads. 2016 , 5, 1094-103 | 16 |
| 985 | Antimicrobial Activity of Marjoram (Origanum Majorana) Essential Oil Against the Multidrug-Resistant Salmonella Enterica Serovar Schwarzengrund Inoculated in Vegetables from Organic Farming. 2016 , 36, 489-496 | 7 |
| 984 | Bioactive packaging using antioxidant extracts for the prevention of microbial food-spoilage. 2016 , 7, 3273-82 | 27 |
| 983 | Application of edible coating with starch and carvacrol in minimally processed pumpkin. 2016 , 53, 1975-83 | 14 |
| 982 | Enhancing the antibacterial efficacy of isoeugenol by emulsion encapsulation. 2016 , 229, 7-14 | 35 |
| 981 | Applications of active packaging for increasing microbial stability in foods: natural volatile antimicrobial compounds. 2016 , 12, 1-12 | 48 |
| 980 | Use of natural substances for boar semen decontamination. 2016 , 60, 235-247 | 4 |

(2016-2016)

| 979 | Cinnamaldehyde Characterization as an Antibacterial Agent toward E. coli Metabolic Profile Using 96-Blade Solid-Phase Microextraction Coupled to Liquid Chromatography-Mass Spectrometry. 2016 , 15, 963-75 | 35 |
|-----|--|------|
| 978 | Plant essential oils and components on growth of spoilage yeasts in microbiological media and a model salad dressing. 2016 , 65, 73-77 | 21 |
| 977 | Essential Oils: What They Are and How the Terms Are Used and Defined. 2016 , 3-10 | 26 |
| 976 | Effect of Essential Oils on Cell Viability, Membrane Integrity and Membrane Fluidity of Listeria innocua and Escherichia coli. 2016 , 19, 155-166 | 6 |
| 975 | Development of a Total Organic Carbon method for the quantitative determination of solubility enhancement by cyclodextrins: Application to essential oils. 2016 , 918, 21-5 | 14 |
| 974 | The effect of cinnamon, oregano and thyme essential oils in marinade on the microbial shelf life of fish and meat products. 2016 , 68, 30-39 | 83 |
| 973 | A modified bioautographic method for antibacterial component screening against anaerobic and microaerophilic bacteria. 2016 , 123, 13-7 | 6 |
| 972 | In vitro antibacterial activity and major bioactive components of Cinnamomum verum essential oils against cariogenic bacteria, Streptococcus mutans and Streptococcus sobrinus. 2016 , 6, 308-314 | 28 |
| 971 | Antimicrobial Activity of Individual and Combined Essential Oils against Foodborne Pathogenic Bacteria. 2016 , 79, 309-15 | 19 |
| 970 | Influence of Melaleuca alternifolia oil nanoparticles on aspects of Pseudomonas aeruginosa biofilm. 2016 , 93, 120-5 | 34 |
| 969 | Larvicidal potential of essential oils against Musca domestica and Anopheles stephensi. 2016 , 115, 2223-31 | 19 |
| 968 | Survival of spoilage bacteria subjected to sequential eugenol and temperature treatments. 2016 , 218, 6-16 | 7 |
| 967 | Preservation of Brussels Sprouts by Pullulan Coating Containing Oregano Essential Oil. 2016 , 79, 493-500 | 13 |
| 966 | Nanoencapsulation Approach to Improve Antimicrobial and Antioxidant Activity of Thyme Essential Oil in Beef Burgers During Refrigerated Storage. 2016 , 9, 1187-1201 | 80 |
| 965 | Microbial Production of Value-Added Chemicals from Pyrolysis Oil and Syngas. 2016 , 69-105 | 1 |
| 964 | Antibacterial effects of 16 formulations and irradiation against Clostridium sporogenes in a sausage model. 2016 , 63, 21-27 | 12 |
| 963 | Postharvest applications of clove essential oils on dry seeds stored under simulated warehouse conditions. 2016 , 28, 15-21 | 1 |
| 962 | Clove oil nanoemulsion as an effective antibacterial agent: Taguchi optimization method. 2016 , 57, 18379-18 | 3905 |

| 961 | Health Functionality of Organosulfides: A Review. 2016 , 19, 537-548 | 14 |
|-----|---|-----|
| 960 | Behaviour of food-borne pathogens on dry cured sausage manufactured with herbs and spices essential oils and their sensorial acceptability. 2016 , 59, 262-270 | 54 |
| 959 | Efficacy of the combined application of oregano and rosemary essential oils for the control of Escherichia coli, Listeria monocytogenes and Salmonella Enteritidis in leafy vegetables. 2016 , 59, 468-477 | 68 |
| 958 | New advances in active packaging incorporated with essential oils or their main components for food preservation. 2017 , 33, 447-515 | 57 |
| 957 | Evaluation of anti-oxidant and anti-microbial activity of various essential oils in fresh chicken sausages. 2017 , 54, 279-292 | 28 |
| 956 | Active food packaging films with synergistic antimicrobial activity. 2017 , 76, 117-126 | 92 |
| 955 | Effect of strategic administration of an encapsulated blend of formic acid, citric acid, and essential oils on Salmonella carriage, seroprevalence, and growth of finishing pigs. 2017 , 137, 28-35 | 21 |
| 954 | Innovative application of metal-organic frameworks for encapsulation and controlled release of allyl isothiocyanate. 2017 , 221, 926-935 | 41 |
| 953 | In vitro antiprotozoal activity of (S)-cis-Verbenol against Leishmania spp. and Trypanosoma cruzi. 2017 , 168, 41-44 | 3 |
| 952 | Synergistic antimicrobial potential of essential oils in combination with nanoparticles: Emerging trends and future perspectives. 2017 , 519, 67-78 | 110 |
| 951 | Influence of application sequence and timing of eugenol and lauric arginate (LAE) on survival of spoilage organisms. 2017 , 64, 210-218 | 8 |
| 950 | The Challenges of Eliminating or Substituting Antimicrobial Preservatives in Foods. 2017 , 8, 371-390 | 23 |
| 949 | Postharvest evaluation of natural coatings and antifungal agents to control Botrytis cinerea in Rosa sp 2017 , 45, 9-20 | 11 |
| 948 | Protein Characterization by Thermal Property Measurement. 2017 , 305-391 | 2 |
| 947 | Inibitory effects of linalool on fungal pathogenicity of clinical isolates of Microsporum canis and Microsporum gypseum. 2017 , 60, 387-393 | 21 |
| 946 | Adaptation of Salmonella enterica Serovar Senftenberg to Linalool and Its Association with Antibiotic Resistance and Environmental Persistence. 2017 , 83, | 16 |
| 945 | Combined use of cinnamon essential oil and MAP/vacuum packaging to increase the microbial and sensorial shelf life of lean pork and salmon. 2017 , 12, 51-58 | 28 |
| 944 | Chemical Composition, Antibacterial, Antibiofilm and Synergistic Properties of Essential Oils from Eucalyptus globulus Labill. and Seven Mediterranean Aromatic Plants. 2017 , 14, e1700006 | 28 |

| 943 | Antimicrobial Efficacy of Cinnamaldehyde Against Escherichia coli O157:H7 and Salmonella enterica in Carrot Juice and Mixed Berry Juice Held at 4°C and 12°C. 2017 , 14, 302-307 | 10 |
|-----|--|-----|
| 942 | Thymol and carvacrol induce autolysis, stress, growth inhibition and reduce the biofilm formation by Streptococcus mutans. 2017 , 7, 49 | 45 |
| 941 | Postharvest management of anthracnose in avocado (Persea americana Mill.) fruit with plant-extracted oils. 2017 , 12, 16-22 | 14 |
| 940 | Use of enhanced nisin derivatives in combination with food-grade oils or citric acid to control Cronobacter sakazakii and Escherichia coli O157:H7. 2017 , 65, 254-263 | 45 |
| 939 | Application of lemon peel essential oil with edible coating agent to prolong shelf life of tofu and strawberry. 2017 , | 6 |
| 938 | Antimicrobial activity of free and liposome-encapsulated thymol and carvacrol against Salmonella and Staphylococcus aureus adhered to stainless steel. 2017 , 252, 18-23 | 74 |
| 937 | Active starch biopolymeric packaging film for sausages embedded with essential oil of. 2017 , 54, 2171-2175 | 17 |
| 936 | Interaction of Selected Phenylpropenes with Dipalmitoylphosphatidylcholine Membrane and Their Relevance to Antibacterial Activity. 2017 , 250, 259-271 | 19 |
| 935 | Bacteriocin-like substances of Lactobacillus curvatus P99: characterization and application in biodegradable films for control of Listeria monocytogenes in cheese. 2017 , 63, 159-163 | 36 |
| 934 | Chemical Composition and Biological Activity of Lavandula pubescens Essential Oil from Yemen. 2017 , 20, 509-515 | 8 |
| 933 | Allyl Isothiocyanate Release from Edible Laminaria japonica for Time-Dependent Growth Deactivation of Foodborne Pathogens: I: Micrococcus luteus, Bacillus subtilis, and Listeria monocytogenes. 2017 , 10, 1562-1573 | 4 |
| 932 | Synthetic scaffolds with full pore interconnectivity for bone regeneration prepared by supercritical foaming using advanced biofunctional plasticizers. 2017 , 9, 035002 | 23 |
| 931 | Synergistic interaction of ten essential oils against Haemonchus contortus in vitro. 2017, 243, 47-51 | 38 |
| 930 | Inhibition strategies of Listeria monocytogenes biofilms-current knowledge and future outlooks. 2017 , 57, 728-743 | 27 |
| 929 | Chitosan-cinnamon essential oil nano-formulation: Application as a novel additive for controlled release and shelf life extension of beef patties. 2017 , 102, 19-28 | 103 |
| 928 | Antimicrobial activity of eugenol and essential oils containing eugenol: A mechanistic viewpoint. 2017 , 43, 668-689 | 203 |
| 927 | Membrane fatty acid composition as a determinant of Listeria monocytogenes sensitivity to trans-cinnamaldehyde. 2017 , 168, 536-546 | 16 |
| 926 | Natural Antimicrobials from Herbs and Spices. 2017 , 147-162 | |

| 925 | Use of predictive model to describe sporicidal and cell viability efficacy of betel leaf (Piper betle L.) essential oil on Aspergillus flavus and Penicillium expansum and its antifungal activity in raw apple juice. 2017 , 80, 510-516 | 23 |
|-----|--|-----|
| 924 | In vitro and in vivo antifungal activity of chitosan-essential oils against pomegranate fruit pathogens. 2017 , 129, 9-22 | 50 |
| 923 | Eucalyptus globulus (Labill.) : un arbre □essence aux mille vertus. 2017 , 1 | O |
| 922 | Synergistic action of amphotericin B and rhamnolipid in combination on Candida parapsilosis and Trichosporon cutaneum. 2017 , 71, 1471-1480 | 9 |
| 921 | Antimicrobial activity of several essential oils on pathogenic and beneficial bacteria. 2017, 97, 128-136 | 51 |
| 920 | Antibacterial and antibiofilm activities of eugenol from essential oil of Syzygium aromaticum (L.) Merr. & L. M. Perry (clove) leaf against periodontal pathogen Porphyromonas gingivalis. 2017 , 113, 396-402 | 59 |
| 919 | Changes in Chemical Composition of Essential Oils from Leaves of Different Lantana camara L. (Verbenaceae) Varieties after Feeding by the Introduced Biological Control Agent, Falconia intermedia Distant (Hemiptera: Miridae). 2017 , 25, 462-473 | 1 |
| 918 | Antimicrobial Activity of Essential Oil. 2017 , 191-229 | 3 |
| 917 | Bioactivity of Essential Oils Towards Fungi and Bacteria. 2017, 231-246 | 2 |
| 916 | Applications potentielles de l f iuile essentielle de lavande papillon (Lavandula stoechas L.) comme conservateur alimentaire naturel. 2017 , 1 | 1 |
| 915 | Lactobionic acid enhances the synergistic effect of nisin and thymol against Listeria monocytogenes Scott A in tryptic soy broth and milk. 2017 , 260, 36-41 | 42 |
| 914 | Antimicrobial effects of cinnamon bark oil on microbial composition and quality of grass carp (Ctenopharyngodon idellus) fillets during chilled storage. 2017 , 82, 316-324 | 55 |
| 913 | Chemical Composition and Antimigraine Activity of Essential Oil of Angelicae dahuricae Radix. 2017 , 20, 797-803 | 8 |
| 912 | Essential oils for antimicrobial and antioxidant applications in fish and other seafood products. 2017 , 68, 26-36 | 107 |
| 911 | Antibacterial hydroxypropyl methyl cellulose edible films containing nanoemulsions of Thymus daenensis essential oil for food packaging. 2017 , 175, 241-248 | 69 |
| 910 | The Impact of Essential Oils on Consumer Acceptance of Chouri <mark>b</mark> de vinho IA Dry-Cured Sausage Made from Wine-Marinated Meat IAssessed by the Hedonic Scale, JAR Intensity Scale and Consumers' IWill to Consume and Purchase I 2017 , 41, e13056 | 5 |
| 909 | A DFT analysis on the radical scavenging activity of oxygenated terpenoids present in the extract of the buds of Cleistocalyx operculatus. 2017 , 7, 39686-39698 | 23 |
| 908 | Synergistic antibacterial and antibiofilm efficacy of nisin in combination with p-coumaric acid against food-borne bacteria Bacillus cereus and Salmonella typhimurium. 2017 , 65, 366-372 | 30 |

| 907 | Potential use of carvacrol and citral to inactivate biofilm cells and eliminate biofouling. 2017, 82, 256-265 | 22 |
|-----|---|-----|
| 906 | Flaxseed gum in combination with lemongrass essential oil as an effective edible coating for ready-to-eat pomegranate arils. 2017 , 104, 1030-1038 | 35 |
| 905 | Fat and fibre interfere with the dramatic effect that nanoemulsified d-limonene has on the heat resistance of Listeria monocytogenes. 2017 , 62, 270-274 | 11 |
| 904 | Betel leaf (Piper betle L.) essential oil microemulsion: Characterization and antifungal activity on growth, and apparent lag time of Aspergillus flavus in tomato paste. 2017 , 75, 616-623 | 26 |
| 903 | Antimicrobial effect of emulsion-encapsulated isoeugenol against biofilms of food pathogens and spoilage bacteria. 2017 , 242, 7-12 | 23 |
| 902 | Evaluation of Effect of Thymol Combined with Lactic Acid or Sodium Lactate on Psychrophilic Bacteria and Salmonella Spp. on Chicken Drumstick. 2017 , 17, 271-280 | 5 |
| 901 | The Antimicrobial Effect of Essential Oils Against Listeria monocytogenes in Sous vide Cook-Chill Beef during Storage. 2017 , 41, e13066 | 7 |
| 900 | Application of predictive models to assess the influence of thyme essential oil on Salmonella Enteritidis behaviour during shelf life of ready-to-eat turkey products. 2017 , 240, 40-46 | 13 |
| 899 | Chemical characterization and antimicrobial properties of herbs and spices essential oils against pathogens and spoilage bacteria associated to dry-cured meat products. 2017 , 29, 117-125 | 21 |
| 898 | Plectranthus amboinicus essential oil and carvacrol bioactive against planktonic and biofilm of oxacillin- and vancomycin-resistant Staphylococcus aureus. 2017 , 17, 462 | 21 |
| 897 | Chemoinformatic Investigation of Antibiotic Antagonism: The Interference of Thymus glabrescens Essential Oil Components with the Action of Streptomycin. 2017 , 12, 1934578X1701201 | 1 |
| 896 | Antimicrobial Activity of Some Essential Oils-Present Status and Future Perspectives. 2017, 4, | 390 |
| 895 | Essential Oils and Antifungal Activity. 2017 , 10, | 208 |
| 894 | Calamintha nepeta (L.) Savi and its Main Essential Oil Constituent Pulegone: Biological Activities and Chemistry. 2017 , 22, | 38 |
| 893 | Influence of Food Characteristics and Food Additives on the Antimicrobial Effect of Garlic and Oregano Essential Oils. 2017 , 6, | 16 |
| 892 | Essential Oils: Sources of Antimicrobials and Food Preservatives. <i>Frontiers in Microbiology</i> , 2016 , 7, 2161 5.7 | 196 |
| 891 | Antifungal and Anti-Biofilm Activity of Essential Oil Active Components against and. <i>Frontiers in Microbiology</i> , 2017 , 8, 2161 | 35 |
| 890 | Food Grade Pimenta Leaf Essential Oil Reduces the Attachment of Heidelberg (2011 Ground Turkey Outbreak Isolate) on to Turkey Skin. <i>Frontiers in Microbiology</i> , 2017 , 8, 2328 | 16 |

| 889 | Response of Aspergillus niger Inoculated on Tomatoes Exposed to Vapor Phase Mustard Essential Oil for Short or Long Periods and Sensory Evaluation of Treated Tomatoes. 2017 , 2017, 1-7 | 4 |
|-----|--|----|
| 888 | Essential Oil Constituents of Tanacetum cilicicum: Antimicrobial and Phytotoxic Activities. 2017 , 2017, 1-11 | 5 |
| 887 | Effect of Plant Antimicrobial Agents Containing Marinades on Storage Stability and Microbiological Quality of Broiler Chicken Cuts Packed with Modified Atmosphere Packaging. 2017 , 80, 1689-1696 | 6 |
| 886 | Citrus lemon essential oil: chemical composition, antioxidant and antimicrobial activities with its preservative effect against Listeria monocytogenes inoculated in minced beef meat. 2017 , 16, 146 | 84 |
| 885 | Ultrasound pretreatment as an alternative to improve essential oils extraction. 2017, 47, | 11 |
| 884 | Effect of the essential oils of Thymus vulgaris, Cinnamomum zeylanicum and Mentha piperita on fungal growth and morphology. 2017 , 16, 388-399 | 5 |
| 883 | Nisin in Combination with Cinnamaldehyde and EDTA to Control Growth of Escherichia coli Strains of Swine Origin. 2017 , 6, | 14 |
| 882 | Antimicrobial activity of four essential oils against pigmenting and biofilmproducing of dairy origin. 2017 , 6, 6939 | 5 |
| 881 | Synergistic Activity of Essential Oils from Herbs and Spices Used on Meat Products against Food Borne Pathogens. 2017 , 12, 1934578X1701200 | 5 |
| 880 | Inactivation of Nondesiccated and Desiccated Cronobacter sakazakii in Reconstituted Infant Formula by Combination of Citral and Mild Heat. 2017 , 80, 1193-1197 | 5 |
| 879 | Natural Antimicrobials, their Sources and Food Safety. 2017 , | 13 |
| 878 | Bactericidal activity of herbal volatile oil extracts against multidrug-resistant. 2017 , 6, 218-222 | 14 |
| 877 | The inhibitory effects of essential oil constituents against germination, outgrowth and vegetative growth of spores of Clostridium perfringens type A in laboratory medium and chicken meat. 2018 , 73, 311-318 | 13 |
| 876 | Integration of Emerging Biomedical Technologies in Meat Processing to Improve Meat Safety and Quality. 2018 , 17, 615-632 | 4 |
| 875 | Contamination sources, biofilm-forming ability and biocide resistance of Shiga toxin-producing Escherichia coli O157:H7 and non-O157 isolated from tilapia-processing facilities. 2018 , 38, e12446 | 5 |
| 874 | Evaluation of non-thermal hurdle technology for ultraviolet-light to inactivate Escherichia coli K12 on goat meat surfaces. 2018 , 90, 113-120 | 22 |
| 873 | The preparation, characterization and in vitro application evaluation of soluble soybean polysaccharide films incorporated with cinnamon essential oil nanoemulsions. 2018 , 112, 197-202 | 52 |
| 872 | Chemical composition and antibacterial activity of Eugenia brejoensis essential oil nanoemulsions against Pseudomonas fluorescens. 2018 , 93, 659-664 | 18 |

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| 871 | Biological activity of Boswellia serrata Roxb. oleo gum resin essential oil: effects of extraction by supercritical carbon dioxide and traditional methods. 2018 , 21, 808-820 | 12 |
|-----|--|-----|
| 870 | Natural antimicrobial delivery systems: Formulation, antimicrobial activity, and mechanism of action of quillaja saponin-stabilized carvacrol nanoemulsions. 2018 , 82, 442-450 | 36 |
| 869 | Comparison of Cinnamon Essential Oils from Leaf and Bark with Respect to Antimicrobial Activity and Sensory Acceptability in Strawberry Shake. 2018 , 83, 475-480 | 17 |
| 868 | Cytotoxic and anti-kinetoplastid potential of the essential oil of Alpinia speciosa K. Schum. 2018 , 119, 387-391 | 10 |
| 867 | Nanoencapsulation: An efficient technology to boost the antimicrobial potential of plant essential oils in food system. 2018 , 89, 1-11 | 178 |
| 866 | Use of Natural Preservatives for Shelf Life Extension of Fruit Juices. 2018 , 571-605 | 1 |
| 865 | Synchronous application of antibiotics and essential oils: dual mechanisms of action as a potential solution to antibiotic resistance. 2018 , 44, 414-435 | 26 |
| 864 | Antibacterial Effect of Carvacrol and Coconut Oil on Selected Pathogenic Bacteria. 2018 , 49, 46-52 | 3 |
| 863 | Combination of garlic essential oil, allyl isothiocyanate, and nisin Z as bio-preservatives in fresh sausage. 2018 , 143, 177-183 | 23 |
| 862 | Influence of plant origin natural ⊞-pinene with different enantiomeric composition on bacteria, yeasts and fungi. 2018 , 127, 20-24 | 30 |
| 861 | Antimicrobia activity of garlic (Allium sativum L.) and holy basil (Ocimum sanctum L.) essential oils applied by liquid vs. vapour phases. 2018 , 53, 2119-2128 | 8 |
| 860 | Antibacterial mechanisms of cinnamon and its constituents: A review. 2018 , 120, 198-203 | 138 |
| 859 | Use of micronucleus and comet assay to evaluate evaluate the genotoxicity of oregano essential oil (Origanum vulgare l. Virens) in rats orally exposed for 90 days. 2018 , 81, 525-533 | 11 |
| 858 | Inhibitory effect of thymol via different modes of delivery on growth of Escherichia coli DH5⊞. 2018 , 16, 92-96 | 4 |
| 857 | Low thermal inactivation of Escherichia coli ATCC 25922 in pineapple, orange and watermelon juices: Effect of a prior acid-adaptation and of carvacrol supplementation. 2018 , 38, e12415 | 6 |
| 856 | Trends in microbial control techniques for poultry products. 2018 , 58, 591-609 | 21 |
| 855 | Plant essential oils as fish diet additives: benefits on fish health and stability in feed. 2018, 10, 716-726 | 77 |
| 854 | Antimicrobial packaging based on e-polylysine bioactive film for the control of mycotoxigenic fungi in vitro and in bread. 2018 , 42, e13370 | 27 |

| 853 | Evaluation of antioxidant potential of essential oils of some commonly used Indian spices in in vitro models and in food supplements enriched with omega-6 and omega-3 fatty acids. 2018 , 25, 388-398 | 5 |
|-----|---|-----|
| 852 | Biocontrol strategies for Mediterranean-style fermented sausages. 2018 , 103, 438-449 | 33 |
| 851 | Potential application of essential oils as antimicrobial preservatives in cheese. 2018 , 45, 62-72 | 114 |
| 850 | Antibacterial activity of Thymus capitatus and Thymus algeriensis essential oils against four food-borne pathogens inoculated in minced beef meat. 2018 , 38, e12409 | 16 |
| 849 | Ursolic acid and carvacrol may be potential inhibitors of dormancy protein small heat shock protein16.3 of Mycobacterium tuberculosis. 2018 , 36, 3434-3443 | 14 |
| 848 | Encapsulation of bioactive compounds using nanoemulsions. 2018 , 16, 59-70 | 61 |
| 847 | The use of fuzzy logic to determine the concentration of betel leaf essential oil and its potency as a juice preservative. 2018 , 240, 1113-1120 | 25 |
| 846 | Validation of in-vitro antifungal activity of thyme essential oil on Aspergillus niger and Penicillium paneum through application in par-baked wheat and sourdough bread. 2018 , 87, 368-378 | 44 |
| 845 | The effect of essential oil and extract from sage (Salvia officinalis L.) herbal dust (food industry by-product) on the oxidative and microbiological stability of fresh pork sausages. 2018 , 89, 749-755 | 38 |
| 844 | Using Citrus aurantifolia essential oil for the potential biocontrol of Colocasia esculenta (taro) leaf blight caused by Phytophthora colocasiae. 2018 , 25, 29929-29935 | 10 |
| 843 | Aromatherapy massage with lavender essential oil and the prevention of disability in ADL in patients with osteoarthritis of the knee: A randomized controlled clinical trial. 2018 , 30, 116-121 | 18 |
| 842 | The synergistic effects of volatile constituents of Ocimum basilicum against foodborne pathogens. 2018 , 112, 821-829 | 12 |
| 841 | The effect of essential oils on microbial composition and quality of grass carp (Ctenopharyngodon idellus) fillets during chilled storage. 2018 , 266, 52-59 | 52 |
| 840 | Use of Natural Antimicrobials of Plant Origin to Improve the Microbiological Safety of Foods. 2018 , 249-272 | 7 |
| 839 | Bacterial Inactivation by Using Plastic Materials Activated with Combinations of Natural Antimicrobials. 2018 , 8, 460 | 2 |
| 838 | Chemical Composition, Antioxidant and Antimicrobial Activities of Essential Oils Against Pathogens Isolated from Food, Crops and Hospitals in Morocco. 2018 , 21, 1450-1459 | 3 |
| 837 | Inhibitory Effect of Spice Powders on the Development of Heated and Irradiated Bacillus subtilis Spores as Evaluated by Calorimetry. 2018 , 23, 121-128 | 2 |
| 836 | Linalool, citral, eugenol and thymol: control of planktonic and sessile cells of Shigella flexneri. 2018 , 8, 105 | 8 |

(2018-2018)

| 835 | leos essenciais e tratamento tlimico no controle pli-colheita de bolor verde em laranja. 2018 , 44, 65-71 | 1 |
|-----|--|-----|
| 834 | Antibacterial Efficacy of Commercially Available Essential Oils Tested Against Drug-Resistant Gram-Positive Pathogens. 2018 , 8, 2201 | 12 |
| 833 | A new volatile antimicrobial agent-releasing patch for preserving fresh foods. 2018 , 18, 184-190 | 8 |
| 832 | Lactic Acid Bacteria and Foodborne Pathogens. 2018 , 183-212 | 2 |
| 831 | Antimicrobial LDPE/EVOH Layered Films Containing Carvacrol Fabricated by Multiplication Extrusion. 2018 , 10, | 14 |
| 830 | Effectiveness of Phytoactive Molecules on Transcriptional Expression, Biofilm Matrix, and Cell Wall Components of and Its Clinical Isolates. 2018 , 3, 12201-12214 | 23 |
| 829 | Activity of L. Ethanol Extract against Acetic Acid Bacteria spp. 2018 , 7, | 6 |
| 828 | Flow Cytometric Assessment of the Morphological and Physiological Changes of and in Response to Natural Antimicrobial Exposure. <i>Frontiers in Microbiology</i> , 2018 , 9, 2783 | 9 |
| 827 | Stress response of Escherichia coli to essential oil components - insights on low-molecular-weight proteins from MALDI-TOF. 2018 , 8, 13042 | 9 |
| 826 | A review on antifungal activity and mode of action of essential oils and their delivery as nano-sized oil droplets in food system. 2018 , 55, 4701-4710 | 31 |
| 825 | Genetic diversity and chemical variability of Lippia spp. (Verbenaceae). 2018, 11, 725 | 10 |
| 824 | Changes in characteristics of nanoemulsion of cinnamon oil and their relationships with instability mechanisms during storage. 2018 , 42, e13745 | 5 |
| 823 | In vitro evaluation of essential oils for potential antibacterial effects against Xylella fastidiosa. 2018 , 166, 790-798 | 7 |
| 822 | Natural and Bio-based Antimicrobials: A Review. 2018 , 1-24 | 8 |
| 821 | Improving the Microbial Food Safety of Fresh Fruits and Vegetables with Aqueous and Vaporous Essential Oils. 2018 , 87-117 | 1 |
| 820 | Stress Resistance Development and Genome-Wide Transcriptional Response of Escherichia coli O157:H7 Adapted to Sublethal Thymol, Carvacrol, and -Cinnamaldehyde. 2018 , 84, | 14 |
| 819 | Use of encapsulated natural compounds as antimicrobial additives in food packaging: A brief review. 2018 , 81, 51-60 | 102 |
| 818 | Plants of Genus : From Farm to Food Factory. 2018 , 7, | 61 |

| 817 | Antibacterial activity of traditional spices against lower respiratory tract pathogens: combinatorial effects of Trachyspermum ammi essential oil with conventional antibiotics. 2018 , 67, 449-457 | 14 |
|-----|--|-----|
| 816 | Chemometric Comparison and Classification of Some Essential Oils Extracted from Plants Belonging to Apiaceae and Lamiaceae Families Based on Their Chemical Composition and Biological Activities. 2018 , 23, | 24 |
| 815 | Zoonotic Diseases and Phytochemical Medicines for Microbial Infections in Veterinary Science: Current State and Future Perspective. 2018 , 5, 166 | 17 |
| 814 | Ecyclodextrins as Encapsulating Agents of Essential Oils. 2018, | 6 |
| 813 | Comparative in vitro efficacy of eight essential oils as antibacterial agents against pathogenic bacteria isolated from pet-turtles. 2018 , 63, 335-343 | 4 |
| 812 | Essential oil based nanoemulsions to improve the microbial quality of minimally processed fruits and vegetables: A review. 2018 , 111, 509-523 | 114 |
| 811 | Food Packaging: A Comprehensive Review and Future Trends. 2018, 17, 860-877 | 232 |
| 810 | Chitosan coatings enriched with essential oils: Effects on fungi involved in fruit decay and mechanisms of action. 2018 , 78, 61-71 | 98 |
| 809 | Single and binary applications of essential oils effectively control Listeria monocytogenes biofilms. 2018 , 121, 452-460 | 14 |
| 808 | Plant nutraceuticals as antimicrobial agents in food preservation: terpenoids, polyphenols and thiols. 2018 , 52, 309-315 | 107 |
| 807 | Biofilm formation by Staphylococcus aureus strains and their control by selected phytochemicals. 2018 , 71, 637-646 | 11 |
| 806 | Nanoemulsions of Mentha piperita L. essential oil in combination with mild heat, pulsed electric fields (PEF) and high hydrostatic pressure (HHP) as an alternative to inactivate Escherichia coli O157: H7 in fruit juices. 2018 , 48, 219-227 | 20 |
| 805 | A Cassava Starchthitosan Edible Coating Enriched with Lippia sidoides Cham. Essential Oil and Pomegranate Peel Extract for Preservation of Italian Tomatoes (Lycopersicon esculentum Mill.) Stored at Room Temperature. 2018 , 11, 1750-1760 | 32 |
| 804 | Application of plant extracts to improve the shelf-life, nutritional and health-related properties of ready-to-eat meat products. 2018 , 145, 245-255 | 95 |
| 803 | Microbiological, physicochemical and sensory characteristics of Turkish fermented sausages (sucuk) coated with chitosan-essential oils. 2018 , 97, 198-204 | 17 |
| 802 | Cyclodextrins for Essential Oils Applications. 2018 , 81-123 | 2 |
| 801 | Honey Antibacterial Effect Boosting Using . Essential Oil. 2018 , 2018, 7842583 | 14 |
| 800 | Natural Antimicrobial Materials for Use in Food Packaging. 2018 , 181-233 | 2 |

| 799 | Biocides. 2018 , 478-478 | 6 |
|------------------|---|----|
| 79 ⁸ | Studies on the potential application of various blends of essential oils as antioxidant and antimicrobial preservatives in emulsion based chicken sausages. 2018 , 120, 1398-1411 | 8 |
| 797 | Antimicrobial activity of essential oils-derived volatile compounds against several nosocomial pathogens including representative multidrug-resistant A. baumannii clinical isolates. 2018 , 30, 341-346 | 4 |
| 796 | Treatment With High-Hydrostatic Pressure, Activated Film Packaging With Thymol Plus Enterocin AS-48, and Its Combination Modify the Bacterial Communities of Refrigerated Sea Bream () Fillets. 5.7 Frontiers in Microbiology, 2018 , 9, 314 | 12 |
| 795 | Genome Sequence, Assembly and Characterization of Two Strains Used as Biocontrol Agents of Postharvest Diseases. <i>Frontiers in Microbiology</i> , 2018 , 9, 593 | 34 |
| 794 | Characterization of Essential Oils Obtained from Abruzzo Autochthonous Plants: Antioxidant and Antimicrobial Activities Assessment for Food Application. 2018 , 7, | 26 |
| 793 | Improved antimicrobial activity of immobilised essential oil components against representative spoilage wine microorganisms. 2018 , 94, 177-186 | 13 |
| 79² | The Effect of Combining Natural Terpenes and Antituberculous Agents against Reference and Clinical Mycobacterium tuberculosis Strains. 2018 , 23, | 21 |
| 791 | Antimicrobial Carvacrol-Containing Polypropylene Films: Composition, Structure and Function. 2018 , 10, | 28 |
| 79° | Evaluation of in vitro growth-inhibitory effect of carvacrol and thymol combination against Staphylococcus aureus in liquid and vapour phase using new broth volatilization chequerboard method. 2018 , 129, 185-190 | 12 |
| 789 | Antifungal Activity of Chitosan Nanoparticles Encapsulated With Essential Oil on Plant Pathogenic Fungi. 2018 , 9, 610 | 89 |
| 788 | Transcriptomic approach and membrane fatty acid analysis to study the response mechanisms of Escherichia coli to thyme essential oil, carvacrol, 2-(E)-hexanal and citral exposure. 2018 , 125, 1308-1320 | 13 |
| 787 | Synergistic effect of eugenol with Colistin against clinical isolated Colistin-resistant strains. 2018, 7, 17 | 14 |
| 786 | The effects of essential oils and their major compounds on fish bacterial pathogens - a review. 2018 , 125, 328-344 | 43 |
| 7 ⁸ 5 | Plant-Based Antimicrobial Formulations. 2018 , 211-230 | 1 |
| 7 ⁸ 4 | Control of Staphylococcus aureus biofilms by the application of single and combined treatments based in plant essential oils. 2018 , 286, 128-138 | 22 |
| 783 | Antimicrobial activity of essential oils against multidrug-resistant clinical isolates of the Burkholderia cepacia complex. 2018 , 13, e0201835 | 24 |
| 782 | Combinational Inhibitory Action of L. Essential Oil and ERadiation on Growth Rate and Mycotoxins Content of in Maize: Response Surface Methodology. <i>Frontiers in Microbiology</i> , 2018 , 9, 1511 | 9 |

| 781 | Recent developments in the enhancement of some postharvest biocontrol agents with unconventional chemicals compounds. 2018 , 78, 180-187 | 48 |
|-----|--|-----------------|
| 78o | Chemical composition, immunostimulatory, cytotoxic and antiparasitic activities of the essential oil from Brazilian red propolis. 2018 , 13, e0191797 | 25 |
| 779 | Encapsulation in cyclodextrins to widen the applications of essential oils. 2019 , 17, 129-143 | 44 |
| 778 | Seasonal variation of volatile oil composition and antioxidant property of aerial parts of Gaertn. grown in the Eastern Cape, South Africa. 2019 , 33, 2276-2280 | 6 |
| 777 | Gases and Vapors Used in Food. 2019 , 114-120 | 1 |
| 776 | Modelling of Listeria monocytogenes Scott A after a mild heat treatment in the presence of thymol and carvacrol: Effects on culturability and viability. 2019 , 240, 73-82 | 16 |
| 775 | Effect of Plantaricin 163 in Combination with Thymol and Surfactin on Crucian Carp (). 2019 , 82, 1283-1291 | 6 |
| 774 | Cinnamaldehyde Induces Expression of Efflux Pumps and Multidrug Resistance in Pseudomonas aeruginosa. 2019 , 63, | 11 |
| 773 | Study of Citronellal Condensation Reactions with 1,2-phenylenediamine by CuSO4 Catalyst under Microwave Irradiation. 2019 , 546, 062022 | |
| 772 | Minor constituents of essential oils and aromatic extracts. Oximes derived from natural flavor and fragrance raw materials - Sensory evaluation, spectral and gas chromatographic characteristics. 2019 , 301, 125283 | 4 |
| 771 | Chemical composition and antimicrobial activity against food-related microorganisms of different essential oils from Lebanon. 2019 , 39, e12688 | 1 |
| 770 | Heat-Assisted Pulsed Electric Field Treatment for the Inactivation of : Effects of the Presence of Citral. <i>Frontiers in Microbiology</i> , 2019 , 10, 1737 | 11 |
| 769 | Antimicrobial activity of essential oils extracted from clove and lemongrass against pathogenic bacteria isolated from bovine, swine and poultry feces. 2019 , 40, 1937 | 1 |
| 768 | Emerging Nonchemical Potential Antimicrobials for Beverage Preservation. 2019, 149-178 | |
| 767 | Efficacy of carvacrol against resistant rapidly growing mycobacteria in the planktonic and biofilm growth mode. 2019 , 14, e0219038 | 11 |
| 766 | Essential oils and their bioactive compounds as green preservatives against fungal and mycotoxin contamination of food commodities with special reference to their nanoencapsulation. 2019 , 26, 25414-2543 | 1 ³⁰ |
| 765 | Isoeugenol significantly inactivates Escherichia coli O157:H7, Salmonella enterica, and Listeria monocytogenes in refrigerated tyndallized pineapple juice with added Yucca schidigera extract. 2019 , 106, 106727 | 4 |
| 764 | Microbiological and Physicochemical Properties of Meat Coated with Microencapsulated Mexican Oregano (Lippia graveolens Kunth) and Basil (Ocimum basilicum L.) Essential Oils Mixture. 2019 , 9, 414 | 3 |

| 763 | Cinnamon and clove oil nanoemulsions: novel therapeutic options against vancomycin intermediate susceptible Staphylococcus aureus. 2019 , 9, 1405-1415 | 9 |
|-----------------|---|-----|
| 762 | The Influence of Selected Plant Essential Oils on Morphological and Physiological Characteristics in. 2019 , 8, | 7 |
| 761 | Metal-Organic Frameworks for Food Safety. 2019 , 119, 10638-10690 | 217 |
| 760 | Andean Flora as a Source of New Repellents against Insect Pests: Behavioral, Morphological and Electrophysiological Studies on (Coleoptera: Curculionidae). 2019 , 10, | 8 |
| 759 | Origanum vulgare L. essential oil inhibits the growth of carbapenem-resistant gram-negative bacteria. 2019 , 52, e20180502 | 6 |
| 75 ⁸ | Effect of Carrier Oil and Co-Solvent on The Formation of Clove Oil Nanoemulsion by Phase Inversion Technique. 2019 , 309, 012036 | 7 |
| 757 | Preservation of meat and meat products using nanoencapsulated thyme and oregano essential oils. 2019 , 333, 012038 | 6 |
| 756 | Review on Natural Preservatives for Extending Fish Shelf Life. 2019 , 8, | 63 |
| 755 | Characterization and Preservation Performance of Multilayer Film with Insect Repellent and Antimicrobial Activities for Sliced Wheat Bread Packaging. 2019 , 84, 3194-3203 | 12 |
| 754 | Antibacterial mechanism of Tetrapleura tetraptera extract against Escherichia coli and Staphylococcus aureus and its application in pork. 2019 , 39, e12693 | 5 |
| 753 | Antibacterial Effect of a Mixed Natural Preservative against on Lettuce and Raw Pork Loin. 2019 , 82, 2001-2006 | 14 |
| 75 ² | Antifungal effects of chitosan films incorporated with essential oils and control of fungal contamination in peanut kernels. 2019 , 43, e14235 | 13 |
| 751 | Application of the mixture design for optimum antimicrobial activity: Combined treatment of Syzygium aromaticum, Cinnamomum zeylanicum, Myrtus communis, and Lavandula stoechas essential oils against Escherichia coli. 2019 , 43, e14257 | 15 |
| 75° | GC-MS Profile of Volatile Oils Extracted from Jatropha multifida L. using Hydrodistillation and Solvent-Free Microwave Extraction Methods. 2019 , 31, 1143-1148 | |
| 749 | Inhibition of Staphylococcus aureus by cinnamaldehyde and its effect on sensory properties of milk. 2019 , 333, 012042 | |
| 748 | Antioxidative Activity of Thyme (Thymus vulgaris) and Oregano (Origanum vulgare) Essential Oils and Their Effect on Oxidative Stability of Minced Pork Packaged Under Vacuum and Modified Atmosphere. 2019 , 84, 2467-2474 | 13 |
| 747 | The Glucosinolates: A Sulphur Glucoside Family of Mustard Anti-Tumour and Antimicrobial Phytochemicals of Potential Therapeutic Application. 2019 , 7, | 33 |
| 746 | Development of an Arginine Anchored Nanoglobule with Retrograde Trafficking Inhibitor (Retro-2) for the Treatment of an Enterohemorrhagic Outbreak. 2019 , 16, 4405-4415 | 3 |

| 745 | Estabelecimento de sistema bacteriano de expresso de peptoleos derivados da enzima vegetal RuBisCO. 2019 , 22, | 1 |
|-----|---|----|
| 744 | Chemical Composition of Essential Oil of Mondia whitei and Antifungal Activities Against Aspergillus flavus and Penicillium sp., The Mold Associated on Yams (Dioscorea rotundata Poir.) Tuber Rot. 2019 , 9, 197-204 | 3 |
| 743 | Kinetic Modeling of Hydrodistillation of Essential Oil Production from Orange (Citrus sinensis) Peels on Pilot Scale. 2019 , 31, 2298-2302 | 1 |
| 742 | The Efficiency of Deoxynivalenol Degradation by Essential Oils under In Vitro Conditions. 2019, 8, | 12 |
| 741 | Novel antimicrobial filtering materials based on carvacrol, eugenol, thymol and vanillin immobilized on silica microparticles for water treatment. 2019 , 58, 102228 | 7 |
| 740 | Anti-Biofilm Effect of Selected Essential Oils and Main Components on Mono- and Polymicrobic Bacterial Cultures. 2019 , 7, | 36 |
| 739 | Effects of Essential Oil Citral on the Growth, Mycotoxin Biosynthesis and Transcriptomic Profile of. 2019 , 11, | 21 |
| 738 | Impact of ripening inhibitors on molecular transport of antimicrobial components from essential oil nanoemulsions. 2019 , 556, 568-576 | 21 |
| 737 | Edible Polymers for Essential Oils Encapsulation: Application in Food Preservation. 2019 , 58, 20932-20945 | 36 |
| 736 | Ultrasound pretreatment enhances the inhibitory effects of nisin/carvacrol against germination, outgrowth and vegetative growth of spores of Bacillus subtilis ATCC6633 in laboratory medium and milk: Population and single-cell analysis. 2019 , 311, 108329 | 8 |
| 735 | Application of a Multisystem Coating Based on Polymeric Nanocapsules Containing Essential Oil of Thymus Vulgaris L. to Increase the Shelf Life of Table Grapes (Vitis Vinifera L.). 2019 , 18, 549-557 | 19 |
| 734 | Phytochemical composition and biological activities of native and in vitro-propagated Micromeria croatica (Pers.) Schott (Lamiaceae). 2019 , 249, 1365-1377 | 9 |
| 733 | Antimicrobial activity of leaf and bark cinnamon essential oils against Listeria monocytogenes and Salmonella typhimurium in broth system and on celery. 2019 , 43, e13888 | 13 |
| 732 | Nigella sativa essential oil and its bioactive compounds as resistance modifiers against Staphylococcus aureus. 2019 , 33, 1010-1018 | 27 |
| 731 | Whey protein isolate-guar gum stabilized cumin seed oil nanoemulsion. 2019 , 28, 49-56 | 37 |
| 730 | Antibacterial activity and mechanism of thymol against Alicyclobacillus acidoterrestris vegetative cells and spores. 2019 , 105, 377-384 | 26 |
| 729 | Chemical Composition and Biological Activities of Oregano Essential Oil and Its Fractions Obtained by Vacuum Distillation. 2019 , 24, | 18 |
| 728 | In vitro and in vivo evaluation of thyme (Thymus vulgaris) essential oil as an alternative for antibiotic in quail diet1. 2019 , 97, 2901-2913 | 6 |

| 727 | Efficiency of essential oils against Pectobacterium carotovorum subsp. carotovorum causing potato soft rot and their possible application as coatings in storage. 2019 , 156, 110928 | | 10 |
|------------------|--|----|----|
| 726 | Inactivation effect of marination liquids prepared with koruk juice and dried koruk pomace on Salmonella Typhimurium, Escherichia coli O157:H7 and Listeria monocytogenes inoculated on meat. 2019 , 304, 32-38 | | 9 |
| 7 2 5 | Antibacterial activity of cuminaldehyde on food-borne pathogens, the bioactive component of essential oil from Cuminum cyminum L. collected in Thailand. 2019 , 16, | | 12 |
| 724 | Inhibitory effects of Azadirachta indica secondary metabolites formulated cosmetics on some infectious pathogens and oxidative stress radicals. 2019 , 19, 123 | | 2 |
| 723 | Antimicrobial activity of cinnamon oil nanoemulsion against Listeria monocytogenes and Salmonella spp. on melons. 2019 , 111, 682-687 | | 36 |
| 722 | Inhibitory effects and membrane damage caused to fish spoilage bacteria by cinnamon bark (Cinnamomum tamala) oil. 2019 , 112, 108195 | | 17 |
| 721 | Synergistic Effects of Nanocomposite Films Containing Essential Oil Nanoemulsions in Combination with Ionizing Radiation for Control of Rice Weevil Sitophilus oryzae in Stored Grains. 2019 , 84, 1439-1446 | | 9 |
| 720 | Essential Oils as an Intervention Strategy to Reduce in Poultry Production: A Review. <i>Frontiers in Microbiology</i> , 2019 , 10, 1058 | .7 | 26 |
| 719 | Climate Change and Secondary Metabolism in Plants: Resilience to Disruption. 2019, 95-131 | | 2 |
| 718 | Chemometrics approaches based on electrochemical methods for the investigation of interaction between bovine serum albumin and carvacrol with the aim of its application to protein sensing. 2019 , 845, 48-56 | | 1 |
| 717 | Combination of Carvacrol and Thymol: Antimicrobial Activity Against and Antioxidant Activity. 2019 , 16, 622-629 | | 35 |
| 716 | Pepper fragrant essential oil (PFEO) and functionalized MCM-41 nanoparticles: formation, characterization, and bactericidal activity. 2019 , 99, 5168-5175 | | 23 |
| 7 ¹ 5 | Inhibitory effects of cinnamon and thyme essential oils against Salmonella spp. in hummus (chickpea dip). 2019 , 43, e13925 | | 14 |
| 714 | Potential Natural Food Preservatives and Their Sustainable Production in Yeast: Terpenoids and Polyphenols. 2019 , 67, 4397-4417 | | 30 |
| 713 | Synergistic properties of mustard and cinnamon essential oils for the inactivation of foodborne moulds in vitro and on Spanish bread. 2019 , 298, 44-50 | | 33 |
| 712 | Virucidal activity of ginger essential oil against caprine alphaherpesvirus-1. 2019 , 230, 150-155 | | 19 |
| 711 | How Shapes Its Proteome in Response to Natural Antimicrobial Compounds. <i>Frontiers in Microbiology</i> , 2019 , 10, 437 | ·7 | 11 |
| 710 | Growth/no-growth models of in-vitro growth of Penicillium paneum as a function of thyme essential oil, pH, a, temperature. 2019 , 83, 9-17 | | 10 |

| 709 | Physical properties, antifungal and mycotoxin inhibitory activities of five essential oil nanoemulsions: Impact of oil compositions and processing parameters. 2019 , 291, 199-206 | 67 |
|-----|---|----|
| 708 | Natural and Environmentally Friendly Strategies for Controlling Campylobacter jejuni Colonization in Poultry, Survival in Poultry Products and Infection in Humans. 2019 , 67-93 | 4 |
| 707 | Electrochemical investigation of the inhibition effect of carvacrol on xanthine oxidase activity merging with theoretical studies. 2019 , 83, 86-95 | 3 |
| 706 | Expansion of antibacterial spectrum of xanthorrhizol against Gram-negatives in combination with PMBN and food-grade antimicrobials. 2019 , 57, 405-412 | 2 |
| 705 | The Role of Solid Support Bound Metal Chelators on System-Dependent Synergy and Antagonism with Nisin. 2019 , 84, 580-589 | 1 |
| 704 | Optimising chitosanpectin hydrogel beads containing combined garlic and holy basil essential oils and their application as antimicrobial inhibitor. 2019 , 54, 2064-2074 | 18 |
| 703 | Gouda cheese spoilage prevention: Biodegradable coating induced by essential oil and lactoperoxidase system. 2019 , 7, 959-968 | 13 |
| 702 | A synergistic mixture of Origanum vulgare L. and Rosmarinus officinalis L. essential oils to preserve overall quality and control Escherichia coli O157:H7 in fresh cheese during storage. 2019 , 112, 107781 | 10 |
| 701 | Effect of chitosan coatings on physical stability, antifungal and mycotoxin inhibitory activities of lecithin stabilized cinnamon oil-in-water emulsions. 2019 , 106, 98-104 | 15 |
| 700 | Essential oils compounds as antimicrobial and antibiofilm agents against strains present in the meat industry. 2019 , 101, 29-38 | 14 |
| 699 | Antibacterial Activities of Herbal Toothpastes Combined with Essential Oils against. 2019, 8, | 12 |
| 698 | Antifungal activities of combined treatments of irradiation and essential oils (EOs) encapsulated chitosan nanocomposite films in in vitro and in situ conditions. 2019 , 295, 33-40 | 53 |
| 697 | Evaluation of the efficiency of allspice, thyme and rosemary essential oils on two foodborne pathogens in in-vitro and on alfalfa seeds, and their effect on sensory characteristics of the sprouts. 2019 , 295, 19-24 | 15 |
| 696 | Modelling of Cymbopogon Oils Species Using k-Nearest Neighbours (k-NN). 2019, | |
| 695 | Essential oils for preserving foods. 2019 , 369-390 | |
| 694 | Fungicidal Activity of Soybean Oil against Powdery Mildew on Wheat. 2019 , | О |
| 693 | Terpinen-4-ol inhibits the growth of complex and exhibits synergism with antifungal agents. 2019 , 14, 1221-1233 | 4 |
| 692 | Evaluating the Antimicrobial Efficacy of White Mustard Essential Oil Alone and in Combination with Thymol and Carvacrol against. 2019 , 82, 2038-2043 | 5 |

| 691 | Essential Oil and Hydrosol Extract Chemical Profile, Antioxidant and Antimicrobial Potential of Daphne gnidium L. from Algeria. 2019 , 22, 1277-1288 | 4 |
|-----|---|-----|
| 690 | Food-Grade Nanoemulsions: Preparation, Stability and Application in Encapsulation of Bioactive Compounds. 2019 , 24, | 60 |
| 689 | Combined Action of Piperitenone Epoxide and Antibiotics Against Clinical Isolates of and. <i>Frontiers in Microbiology</i> , 2019 , 10, 2607 | 3 |
| 688 | Oregano powder reduces Streptococcus and increases SCFA concentration in a mixed bacterial culture assay. 2019 , 14, e0216853 | 6 |
| 687 | Essential Oils with High Activity against Stationary Phase. 2019 , 8, | 6 |
| 686 | Anti-quorum Sensing and Antimicrobial Effect of Mediterranean Plant Essential Oils Against Phytopathogenic Bacteria. <i>Frontiers in Microbiology</i> , 2019 , 10, 2619 | 29 |
| 685 | Use of Botanicals to Suppress Different Stages of the Life Cycle of. 2019 , 109, 2116-2123 | 8 |
| 684 | A current opinion on the antimicrobial importance of popular pepper essential oil and its application in food industry. 2019 , 31, 1-18 | 23 |
| 683 | Plant antimicrobial polyphenols as potential natural food preservatives. 2019 , 99, 1457-1474 | 159 |
| 682 | Combined antibacterial activities of essential oil compounds against Escherichia coli O157:H7 and their application potential on fresh-cut lettuce. 2019 , 96, 112-118 | 26 |
| 681 | Physiological response of Saccharomyces cerevisiae to citral combined with thermal treatment. 2019 , 101, 827-834 | 4 |
| 680 | Components and antibacterial activity of a novel essential oil from the nutrient broth of Eremothecium ashbyii H4565. 2019 , 101, 389-394 | 13 |
| 679 | Improving the Efficacy of Essential Oils as Antimicrobials in Foods: Mechanisms of Action. 2019 , 10, 365-387 | 100 |
| 678 | Determination of LD50 of some essential oils and histopathological changes in short-term exposure to one of them in rainbow trout (Oncorhynchus mykiss). 2019 , 3, 239784731882071 | 5 |
| 677 | Sodium alginate-cinnamon essential oil coated apples and pears: Variability of Aspergillus carbonarius growth and ochratoxin A production. 2019 , 119, 876-885 | 22 |
| 676 | Streptomyces strains alleviate water stress and increase peppermint (Mentha piperita) yield and essential oils. 2019 , 434, 441-452 | 19 |
| 675 | Effect of high hydrostatic pressure and activated film packaging on bacterial diversity of fruit puree. 2019 , 100, 227-230 | 3 |
| 674 | Novel natural food preservatives and applications in seafood preservation: a review. 2019 , 99, 2068-2077 | 66 |

| 673 | Antimicrobial Activity of Essential Oils. 2019 , 1-22 | 2 |
|-----|--|----|
| 672 | Essential oils based formulations as safe preservatives for stored plant masticatories against fungal and mycotoxin contamination: A review. 2019 , 17, 313-317 | 11 |
| 671 | Optimization of Various Essential Oils and Their Effect on the Microbial and Sensory Attributes of Chicken Sausages. 2019 , 8, 374-382 | 2 |
| 670 | Evaluation of critical parameters for preparation of stable clove oil nanoemulsion. 2019 , 12, 3225-3230 | 50 |
| 669 | A review on influencing factors on the minimum inhibitory concentration of essential oils. 2019 , 59, 357-378 | 31 |
| 668 | Antimicrobial Ingredients as Preservative Booster and Components of Self-Preserving Cosmetic Products. 2019 , 76, 744-754 | 18 |
| 667 | Essential oils as natural preservatives for bakery products: Understanding the mechanisms of action, recent findings, and applications. 2020 , 60, 310-321 | 38 |
| 666 | Synergistic and antagonistic effects of distilled extract and its major components on drug resistant clinical isolates. 2020 , 34, 1626-1629 | 2 |
| 665 | Essential oil of Calamintha nepeta (L.) Savi subsp. nepeta is a potential control agent for some postharvest fruit diseases. 2020 , 10, 35-48 | 3 |
| 664 | Essential oils in vapor phase as alternative antimicrobials: A review. 2020 , 60, 1641-1650 | 48 |
| 663 | Microbial stabilization of craft beer by filtration through silica supports functionalized with essential oil components. 2020 , 117, 108626 | 7 |
| 662 | Inactivation of Salmonella spp. in tahini using plant essential oil extracts. 2020 , 86, 103338 | 9 |
| 661 | Survival of Lactobacillus acidophilus LA-5 and Escherichia coli O157:H7 in Minas Frescal cheese made with oregano and rosemary essential oils. 2020 , 86, 103348 | 12 |
| 660 | The antibacterial properties of phenolic isomers, carvacrol and thymol. 2020 , 60, 3042-3053 | 85 |
| 659 | The effects of nanoemulsions based on citrus essential oils (orange, mandarin, grapefruit, and lemon) on the shelf life of rainbow trout (Oncorhynchus mykiss) fillets at $4 - 2$ °C. 2020 , 40, e12718 | 20 |
| 658 | Evaluation of monoterpene-cyclodextrin complexes as bacterial growth effective hurdles. 2020 , 108, 106814 | 16 |
| 657 | Effect of essential oil and irradiation treatments on inhibition and sensitivity of bacterial spores. 2020 , 26, 65-77 | О |
| 656 | Repellancy and contact toxicity of clove bud oil and its constituents against German cockroaches, Blatella germanica (Dictyoptera: Blattellidae), under laboratory conditions. 2020 , 66, 289-297 | 2 |

(2020-2020)

| 655 | officinalis) essential oils on lactic acid bacteria growth in refrigerated vacuum-packed Tuscan sausage. 2020 , 51, 289-301 | 10 |
|-----|--|----|
| 654 | Impact of nanoparticles on toxigenic fungi. 2020 , 309-348 | 2 |
| 653 | Natural products with preservative properties for enhancing the microbiological safety and extending the shelf-life of seafood: A review. 2020 , 127, 108762 | 72 |
| 652 | Volatile Transference and Antimicrobial Activity of Cheeses Made with Ewes' Milk Fortified with Essential Oils. 2020 , 9, | 12 |
| 651 | Comparative Evaluation of Essential Oils from Medicinal-Aromatic Plants of Greece: Chemical Composition, Antioxidant Capacity and Antimicrobial Activity against Bacterial Fish Pathogens. 2019 , 25, | 9 |
| 650 | Investigating the antimicrobial and antibiofilm effects of cinnamaldehyde against Campylobacter spp. using cell surface characteristics. 2020 , 85, 157-164 | 7 |
| 649 | The effects of combined phytogenics on growth and nutritional physiology of Nile tilapia Oreochromis niloticus. 2020 , 519, 734867 | 6 |
| 648 | The in vitro and in situ effect of selected essential oils in vapour phase against bread spoilage toxicogenic aspergilli. 2020 , 110, 107007 | 17 |
| 647 | The effect of oregano (Origanum vulgare) essential oil on four Salmonella serovars and shelf life of refrigerated pork meat packaged under vacuum and modified atmosphere. 2020 , 44, e14311 | 4 |
| 646 | The Antibacterial Activity of Lavender Essential Oil Alone and In Combination with Octenidine Dihydrochloride against MRSA Strains. 2019 , 25, | 18 |
| 645 | Cinnamon powder: an in vitro and in vivo evaluation of antifungal and plant growth promoting activity. 2020 , 156, 237-243 | 7 |
| 644 | Assessment of chitosan biopolymer encapsulated \Box -Terpineol against fungal, aflatoxin B (AFB) and free radicals mediated deterioration of stored maize and possible mode of action. 2020 , 311, 126010 | 25 |
| 643 | In vitro antimicrobial activity of immobilised essential oil components against Helicobacter pylori. 2019 , 36, 3 | 8 |
| 642 | Antimicrobial Activity of, and Cellular Pathways Targeted by, -Anisaldehyde and Epigallocatechin Gallate in the Opportunistic Human Pathogen Pseudomonas aeruginosa. 2020 , 86, | 5 |
| 641 | Plants: A natural solution to enhance raw milk cheese preservation?. 2020, 130, 108883 | 11 |
| 640 | The alarming antimicrobial resistance in ESKAPEE pathogens: Can essential oils come to the rescue?. 2020 , 140, 104433 | 48 |
| 639 | Entrapment of a phage cocktail and cinnamaldehyde on sodium alginate emulsion-based films to fight food contamination by Escherichia coli and Salmonella Enteritidis. 2020 , 128, 108791 | 20 |
| 638 | Plant Phytochemicals in Food Preservation: Antifungal Bioactivity: A Review. 2020 , 83, 163-171 | 22 |

11

29

WITHDRAWN: Chemical Composition and Antibacterial Activity of the Essential Oil of Allium 637 sativum L. from Morocco. 2020, 101216 Opportunities and challenges in managing antibiotic resistance in bacteria using plant secondary 636 11 metabolites. 2020, 147, 104762 Combination of essential oils in dairy products: A review of their functions and potential benefits. 635 18 2020, 133, 110116 Thymol Encapsulated into HP-ECyclodextrin as an Alternative to Synthetic Fungicides to Induce 634 Lemon Resistance against Sour Rot Decay. 2020, 25, Essential oils from Eucalyptus staigeriana F. Muell. ex Bailey and Eucalyptus urograndis W. Hill ex Maiden associated to carboxymethylcellulose coating for the control of Botrytis cinerea Pers. Fr. 633 4 and Rhizopus stolonifer (Ehrenb.:Fr.) Vuill. in strawberries. 2020, 156, 112884 Potentiating the activity of berberine for Staphylococcus aureus in a combinatorial treatment with 632 thymol. 2020, 149, 104542 Essential oils as antimicrobial agents in biopolymer-based food packaging - A comprehensive 631 28 review. **2020**, 38, 100785 Safety Profile of Essential Oils. 2020, 630 Effect of Some Citrus Essential Oils on Post-Harvest Shelf Life and Physicochemical Quality of 629 25 Strawberries during Cold Storage. 2020, 10, 1466 Use of infrared radiation as curing agent for bioactive paper fabrication in times compatible with 628 industrial process. **2020**, 157, 108165 Micro and nano-encapsulation of vegetable and essential oils to develop functional food products 627 50 with improved nutritional profiles. 2020, 104, 72-83 Chitosan nanoemulsions of cold-pressed orange essential oil to preserve fruit juices. 2020, 331, 108786 626 15 625 Essential oils from Mediterranean aromatic plants. 2020, 555-564 O Antimicrobial activity of Jamzad and Bunge essential oils against and in table cream containing 624 2 LU5. 2020, 8, 5907-5915 Phytotoxic Effects and Mechanism of Action of Essential Oils and Terpenoids. 2020, 9, 623 28 Antimicorbial Potency of Major Functional Foods Essential Oils in Liquid and Vapor Phases: A Short 622 Review. 2020, 10, 8103

Potential Application of Essential Oils for Mitigation of in Meat and Poultry Products. 2020, 7, 577287

An Overview of Histamine and Other Biogenic Amines in Fish and Fish Products. 2020, 9,

621

620

(2020-2020)

| 619 | Chemometric Screening of Fourteen Essential Oils for Their Composition and Biological Properties. 2020 , 25, | 6 |
|-------------------|--|------------------|
| 618 | Atmospheric Pressure Plasma Chemical Vapor Deposition of Carvacrol Thin Films on Stainless Steel to Reduce the Formation of and Biofilms. 2020 , 13, | 4 |
| 617 | Synergistic properties of Eucalyptus caesia and Dracocephalum multicaule Montbr & Auch essential oils: Antimicrobial activity against food borne pathogens and antioxidant activity in pear slices. 2020 , 44, e14651 | 9 |
| 616 | Exploitation of Agro-Industrial Waste as Potential Source of Bioactive Compounds for Aquaculture. 2020 , 9, | 26 |
| 615 | The Variability of Thymol and Carvacrol Contents Reveals the Level of Antibacterial Activity of the Essential Oils from Different Accessions of. 2020 , 9, | 7 |
| 614 | Eucalyptus globulus Essential Oil as a Natural Food Preservative: Antioxidant, Antibacterial and Antifungal Properties In Vitro and in a Real Food Matrix (Orangina Fruit Juice). 2020 , 10, 5581 | 12 |
| 613 | Influence of polysorbates (Tweens) on structural and antimicrobial properties for microemulsions. 2020 , 590, 119939 | 2 |
| 612 | Self-assembled lipids for food applications: A review. 2020 , 285, 102279 | 12 |
| 611 | Synthesis of metal-organic frameworks (MOFs) and its application in food packaging: A critical review. 2020 , 104, 102-116 | 50 |
| 610 | L. as a possible effective substitute for nitrates in meat products. 2020 , 9, 7739 | |
| | | |
| 609 | Nematocidal Effects of a Coriander Essential Oil and Five Pure Principles on the Infective Larvae of Major Ovine Gastrointestinal Nematodes In Vitro. 2020 , 9, | 4 |
| 609 | | 4 8 |
| | Major Ovine Gastrointestinal Nematodes In Vitro. 2020 , 9, | |
| 608 | Major Ovine Gastrointestinal Nematodes In Vitro. 2020, 9, Use of Essential Oils to Increase the Safety and the Quality of Marinated Pork Loin. 2020, 9, Cinnamaldehyde is a biologically active compound for the disinfection of removable denture: | 8 |
| 608 | Major Ovine Gastrointestinal Nematodes In Vitro. 2020, 9, Use of Essential Oils to Increase the Safety and the Quality of Marinated Pork Loin. 2020, 9, Cinnamaldehyde is a biologically active compound for the disinfection of removable denture: blinded randomized crossover clinical study. 2020, 20, 223 Antimicrobial Blue Light versus Pathogenic Bacteria: Mechanism, Application in the Food Industry, | 8 |
| 608 607 606 | Major Ovine Gastrointestinal Nematodes In Vitro. 2020, 9, Use of Essential Oils to Increase the Safety and the Quality of Marinated Pork Loin. 2020, 9, Cinnamaldehyde is a biologically active compound for the disinfection of removable denture: blinded randomized crossover clinical study. 2020, 20, 223 Antimicrobial Blue Light versus Pathogenic Bacteria: Mechanism, Application in the Food Industry, Hurdle Technologies and Potential Resistance. 2020, 9, Essential Oils as Alternative Biocides for the Preservation of Waterlogged Archaeological Wood. | 8 0 6 |
| 608 607 606 | Major Ovine Gastrointestinal Nematodes In Vitro. 2020, 9, Use of Essential Oils to Increase the Safety and the Quality of Marinated Pork Loin. 2020, 9, Cinnamaldehyde is a biologically active compound for the disinfection of removable denture: blinded randomized crossover clinical study. 2020, 20, 223 Antimicrobial Blue Light versus Pathogenic Bacteria: Mechanism, Application in the Food Industry, Hurdle Technologies and Potential Resistance. 2020, 9, Essential Oils as Alternative Biocides for the Preservation of Waterlogged Archaeological Wood. 2020, 8, | 8 0 6 5 |

| 601 | Aromatic plants: A source of compounds with antioxidant and neuroprotective effects. 2020, 155-173 | 2 |
|-----|--|----------|
| 600 | Broadening and Enhancing Bacteriocins Activities by Association with Bioactive Substances. 2020 , 17, | 8 |
| 599 | In vitro antimicrobial combinatory effect of Cinnamomum cassia essential oil with 8-hydroxyquinoline against Staphylococcus aureus in liquid and vapour phase. 2020 , 129, 906-915 | 9 |
| 598 | and Essential Oils as Potential Biopreservatives against Spoilage in Low Alcohol Wine Products. 2020 , 9, | 6 |
| 597 | Evaluation of antibiofilm efficacy of essential oil components Earyophyllene, cinnamaldehyde and eugenol alone and in combination against biofilm formation and preformed biofilms of Listeria monocytogenes and Salmonella typhimurium. 2020 , 71, 195-202 | 11 |
| 596 | and Antifungal Activity of Clove () and Pepper (L.) Essential Oils and Functional Extracts Against and in Tomato (L.). 2020 , 2020, 1702037 | 11 |
| 595 | Na-Montmorillonite vs. Organically Modified Montmorillonite as Essential Oil Nanocarriers for Melt-Extruded Low-Density Poly-Ethylene Nanocomposite Active Packaging Films with a Controllable and Long-Life Antioxidant Activity. 2020 , 10, | 12 |
| 594 | Chemical Composition, Antioxidant and Antimicrobial Activities of Pimpinella enguezekensis: A Novel Species from Anatolia, Turkey- Fruit Essential Oil. 2020 , 23, 356-362 | 4 |
| 593 | Evaluation of cytotoxic and anticancer effect of methanolic extract on cancer cell lines. 2020 , 42, 101042832 | 20948685 |
| 592 | Chemistry matters: biological activity of Eucalyptus essential oils on mosquito larval mortality. 2020 , 168, 407-415 | 1 |
| 591 | In vitro evaluation of microparticles with Laurus nobilis L. extract prepared by spray-drying for application in food and pharmaceutical products. 2020 , 122, 124-135 | 10 |
| 590 | Genus Ruta: A natural source of high value products with biological and pharmacological properties. 2020 , 260, 113076 | 10 |
| 589 | Supplementation with a blend based on micro-encapsulated carvacrol, thymol, and cinnamaldehyde in lambs feed inhibits immune cells and improves growth performance. 2020 , 240, 104144 | 5 |
| 588 | Isothermal Crystallization of Palm Oil-Based Fats with and without the Addition of Essential Oils. 2020 , 97, 861-878 | 1 |
| 587 | Evaluation of (Canelo) Essential Oil as Insecticide against (Coleoptera: Bruchidae) and (Coleoptera: Curculionidae). 2020 , 11, | 0 |
| 586 | Modeling dependence of growth inhibition of Salmonella Typhimurium and Listeria monocytogenes by oregano or thyme essential oils on the chemical composition of minced pork. 2020 , 40, e12818 | O |
| 585 | Application of mixed natural preservatives to improve the quality of vacuum skin packaged beef during refrigerated storage. 2020 , 169, 108219 | 8 |
| 584 | Essential oils: A promising eco-friendly food preservative. 2020 , 330, 127268 | 131 |

(2020-2020)

| 583 | 2020, 9, | | 4 |
|-----|--|-----|----|
| 582 | Synergistic antibacterial, antifungal and antioxidant efficacy of cinnamon and clove essential oils in combination. 2020 , 202, 1439-1448 | | 32 |
| 581 | Aromatic plants and their extracts pharmacokinetics and in vitro/in vivo mechanisms of action. 2020 , 75-88 | | 3 |
| 580 | Application of nanotechnology to boost the functional and preservative properties of essential oils. 2020 , 241-267 | | 4 |
| 579 | Salmonella enterica Control in Stick Carrots Through Incorporation of Coriander Seeds Essential Oil in Sustainable Washing Treatments. 2020 , 4, | | 12 |
| 578 | Genome Sequence, Assembly, and Characterization of the Antagonistic Yeast Used as a Biocontrol Agent Against Post-harvest Diseases. <i>Frontiers in Microbiology</i> , 2020 , 11, 295 | 5.7 | 11 |
| 577 | Carvacrol encapsulation into nanostructures: Characterization and antimicrobial activity against foodborne pathogens adhered to stainless steel. 2020 , 133, 109143 | | 16 |
| 576 | Boosting antifungal effect of essential oils using combination approach as an efficient strategy to control postharvest spoilage and preserving the jujube fruit quality. 2020 , 164, 111159 | | 20 |
| 575 | Conventional versus microwave-assisted hydrodistillation of sage herbal dust: Kinetics modeling and physico-chemical properties of essential oil. 2020 , 123, 90-101 | | 9 |
| 574 | Recent advances in tackling microbial multidrug resistance with essential oils: combinatorial and nano-based strategies. 2020 , 46, 338-357 | | 27 |
| 573 | Studying the Gene Expression of Under the Effect of Eight Essential Oils. 2020, 9, | | О |
| 57² | Natural Phenolic Compounds for the Control of Oxidation, Bacterial Spoilage, and Foodborne Pathogens in Meat. 2020 , 9, | | 35 |
| 571 | Modeling Salmonella (S. Typhimurium ATCC14028, ATCC 13311, S. Typhi ATCC 19430, and S. enterica) and Listeria (L. monocytogenes Scott A, ATCC 7644, and CDBB-B-1426) cocktails urvival under the effects of pH, protein, and essential oil concentration. 2020 , 44, e14718 | | |
| 570 | Nanoencapsulation of bioactive food ingredients. 2020 , 279-344 | | 3 |
| 569 | Antimicrobial effect of thymol and carvacrol added to a vinegar-based marinade for controlling spoilage of marinated beef (Shawarma) stored in air or vacuum packaging. 2020 , 332, 108769 | | 7 |
| 568 | Authentication, phytochemical characterization and anti-bacterial activity of twoArtemisiaspecies. 2020 , 333, 127458 | | 7 |
| 567 | Innovative uses of aromatic plants as natural supplements in nutrition. 2020, 19-34 | | 6 |
| 566 | Phase inversion temperature-fabricated cinnamon oil nanoemulsion as a natural preservative for prolonging shelf-life of chilled Asian seabass (Lates calcarifer) fillets. 2020 , 125, 109122 | | 21 |

| 565 | Freeze-dried, oven-dried, and microencapsulation of essential oil from as potential preservative agents of minced meat. 2020 , 8, 1995-2003 | 14 |
|-----|--|-----|
| 564 | The Applications of Origanum Vulgare and Its Derivatives in Human, Ruminant and Fish Nutrition [] A Review. 2020 , 20, 389-407 | 17 |
| 563 | Technology, Science and Culture - A Global Vision, Volume II. 2020 , | 2 |
| 562 | Ascorbic acid induced degradation of polysaccharide from natural products: a review. 2020 , 151, 483-491 | 10 |
| 561 | Chrysanthemum morifolium cv. Hang-ju leaves: an abundant source of preservatives for food industry. 2020 , 246, 939-946 | 4 |
| 560 | Melaleuca alternifolia oil can delay nutrient damage of grapes caused by aspergillus ochraceus through regulation of key genes and metabolites in metabolic pathways. 2020 , 164, 111152 | 8 |
| 559 | Essential Oils of Lamiaceae Family Plants as Antifungals. 2020 , 10, | 50 |
| 558 | Evaluation of Fungistatic Activity of Eight Selected Essential Oils on Four Heterogeneous Isolates Obtained from Cereal Grains in Southern Poland. 2020 , 25, | 5 |
| 557 | An Overview of Micro- and Nanoemulsions as Vehicles for Essential Oils: Formulation, Preparation and Stability. 2020 , 10, | 120 |
| 556 | Natural additives with antimicrobial and flavoring potential for fresh-cut produce. 2020 , 165-182 | |
| 555 | Synergistic antibacterial effects of ultrasound and thyme essential oils nanoemulsion against Escherichia coli O157:H7. 2020 , 66, 104988 | 38 |
| 554 | The effects of aromatic plants and their extracts in food products. 2020 , 279-294 | O |
| 553 | Chemical and bioactive characterization of the aromatic plant Levisticum officinale W.D.J. Koch: a comprehensive study. 2020 , 11, 1292-1303 | 28 |
| 552 | Chemical Composition and Antibacterial Activity of Essential Oils from the Algerian Endemic Desf. against Multidrug-Resistant Uropathogenic Isolates. 2020 , 9, | 13 |
| 551 | Comparative Evaluation of , and L. Essential Oils of Different Origin as Functional Antimicrobials in Foods. 2020 , 9, | 6 |
| 550 | Antifungal edible coatings containing Argentinian propolis extract and their application in raspberries. 2020 , 107, 105973 | 30 |
| 549 | Natural Preservatives from Plant in Cheese Making. 2020 , 10, | 15 |
| 548 | Correlation between chemical composition and antimicrobial properties of essential oils against most common food pathogens and spoilers: In-vitro efficacy and predictive modelling. 2020 , 147, 104212 | 13 |

(2021-2020)

Nutrition, public health, and sustainability: an overview of current challenges and future perspectives. **2020**, 3-50

| 546 | Cherry tomato and persimmon kaki conservation with a natural and biodegradable film. 2020 , 2, 33-40 | | 3 |
|-----|---|-----|----|
| 545 | Thymol and carvacrol in nanoliposomes: Characterization and a comparison with free counterparts against planktonic and glass-adhered Salmonella. 2020 , 127, 109382 | | 11 |
| 544 | In vitro mechanism of antibacterial action of a citrus essential oil on an enterotoxigenic Escherichia coli and Lactobacillus rhamnosus. 2020 , 129, 541-553 | | 7 |
| 543 | Plant Bioactive Compounds in Pre- and Postharvest Management for Aflatoxins Reduction. <i>Frontiers in Microbiology</i> , 2020 , 11, 243 | 5.7 | 35 |
| 542 | Chemical Composition, Antibacterial and Radical Scavenging Activity of Essential Oils from C.A.Mey. at Different Growth Stages. 2020 , 9, | | 12 |
| 541 | Bioactive Characterization of Packaging Foils Coated by Chitosan and Polyphenol Colloidal Formulations. 2020 , 21, | | 4 |
| 540 | Recent Advances in the Application of Antibacterial Complexes Using Essential Oils. 2020, 25, | | 14 |
| 539 | Antimicrobial Materials with Lime Oil and a Poly(3-hydroxyalkanoate) Produced via Valorisation of Sugar Cane Molasses. 2020 , 11, | | 9 |
| 538 | Studies on the anti-proliferative and anti-quorum sensing potentials of Myrtus communis L. essential oil for the improved microbial stability of salmon-based products. 2020 , 127, 109380 | | 6 |
| 537 | Organogels as a Delivery System for Volatile Oils. 2020 , 2, 2070-2076 | | 2 |
| 536 | Micro/nanoencapsulation strategy to improve the efficiency of natural antimicrobials against in food products. 2021 , 61, 1241-1259 | | 8 |
| 535 | Effect of active essential oils added to chicken tawook on the behaviour of Listeria monocytogenes, Salmonella spp. and Escherichia coli O157:H7 during storage. 2021 , 337, 108947 | | 8 |
| 534 | Hydrogels: A Etepping stoneItowards new cleaning strategies for biodeteriorated surfaces. 2021 , 47, 1-11 | | 9 |
| 533 | The essential oil of the leaves of Verbesina macrophylla (Cass.) S.F.Blake has antimicrobial, anti-inflammatory and antipyretic activities and is toxicologically safe. 2021 , 265, 113248 | | 6 |
| 532 | Antifungal effect of nerol via transcriptome analysis and cell growth repression in sweet potato spoilage fungi Ceratocystis fimbriata. 2021 , 171, 111343 | | 5 |
| 531 | Combination effect of 915 MHz microwave heating and carvacrol for inactivation of Escherichia coli O157:H7, Salmonella Typhimurium and Listeria monocytogenes in hot chili sauce. 2021 , 121, 107578 | | 2 |
| 530 | Chemical composition, cytotoxicity and antimicrobial activity of selected plant-derived essential oils against fish pathogens. 2021 , 52, 793-809 | | 6 |

| 529 | Emulsions containing essential oils, their components or volatile semiochemicals as promising tools for insect pest and pathogen management. 2021 , 287, 102330 | 27 |
|-----|--|----|
| 528 | Enhancing effect of nanoemulsion on antimicrobial activity of cinnamon essential oil against foodborne pathogens in refrigerated Asian seabass (Lates calcarifer) fillets. 2021 , 122, 107782 | 13 |
| 527 | Retaining the Essencelof essential oil: Nanoemulsions of citral and carvone reduced oil loss and enhanced antibacterial efficacy via bacterial membrane perturbation. 2021 , 61, 102243 | 3 |
| 526 | Application of essential oils as antimicrobial agents against spoilage and pathogenic microorganisms in meat products. 2021 , 337, 108966 | 60 |
| 525 | Edible flower essential oils: A review of chemical compositions, bioactivities, safety and applications in food preservation. 2021 , 139, 109809 | 13 |
| 524 | Chemical composition and biological activities of fennel (Foeniculum vulgare Mill.) essential oils and ethanolic extracts of conventional and organic seeds. 2021 , 45, | 2 |
| 523 | Effect of formulation on properties, stability, carvacrol release and antimicrobial activity of carvacrol emulsions. 2021 , 197, 111424 | 14 |
| 522 | Chemical compositions, total phenolic contents, antimicrobial and antioxidant activities of the extract and essential oil of Thymbra spicata L. growing wild in Turkey. 2021 , 15, 386-393 | 4 |
| 521 | Milk preservation: Enhancing the anti-Staphylococcus aureus potency using essential oils specific mixture. 2021 , 15, 376-385 | |
| 520 | Botrytis cinerea management in ornamental production: a continuous battle. 2021 , 43, 345-365 | 9 |
| 519 | Food-Grade Colloidal Systems for the Delivery of Essential Oils. 2021 , 37, 1-45 | 31 |
| 518 | Salt, spices, and seasonings formulated with nano/microencapsulated ingredients. 2021, 435-467 | 1 |
| 517 | Nanoemulsions of Essential Oil: Antimicrobial and Antibiofilm Activity against Avian Strains. 2021 , 13, | 5 |
| 516 | Evaluation of Citrus reticulata essential oil: Chemical composition and antibacterial effectiveness incorporated gelatin on E. coli and S. aureus. 2021 , 1-10 | 4 |
| 515 | Innovative Particulate Systems Based on Biodegradable Polymers for Food Packaging Applications. 2021 , | |
| 514 | Carvacrol-loaded liposome suspension: optimization, characterization and incorporation into poly(vinyl alcohol) films. 2021 , 12, 6549-6557 | 1 |
| 513 | Survival and Control of in Poultry Production Environment. 2020 , 10, 615049 | 5 |
| 512 | Chemical composition and antifungal activity of essential oils and their combinations against Botrytis cinerea in strawberries. 2021 , 15, 1815-1825 | 13 |

| 511 | Essential Oils and Their Application on Active Packaging Systems: A Review. 2021 , 10, 7 | 35 |
|-----|---|----|
| 510 | GC-MS Chemical Constituents and in vitro Activities of the Oil Extract of Euryops brevipapposus Leaves used Traditionally for the Management of Some Diseases. 2021 , 33, 677-685 | |
| 509 | Innovative Seafood Preservation Technologies: Recent Developments. 2021, 11, | 14 |
| 508 | Characterization of Carboxymethyl Cellulose Films Incorporated with Chinese Fir Essential Oil and Their Application to Quality Improvement of Shine Muscat Grape. 2021 , 11, 97 | 1 |
| 507 | In vitro and in silico evaluation of antifungal activity of cassia (Cinnamomum cassia) and holy basil (Ocimum tenuiflorum) essential oils for the control of anthracnose and crown-rot postharvest diseases of banana fruits. 2021 , 75, 2043-2057 | 2 |
| 506 | Phenolic Compounds, Antioxidant and Antibacterial Activities of Spices Mixtures Used by Population of Ouargla. 2021 , 12, 28-35 | |
| 505 | Plant Natural Products for Mitigation of Antibiotic Resistance. 2021 , 57-91 | 1 |
| 504 | Secondary Metabolites of Higher Plants as Green Preservatives of Herbal Raw Materials and Their Active Principles During Postharvest Processing. 2021 , 261-277 | 1 |
| 503 | Nanoformulated Materials from Citrus Wastes. 2021 , 649-669 | |
| 502 | Antimicrobial and Wound Healing Potential of a New Chemotype from L. Essential Oil and In Silico Study on tyrosyl-tRNA Synthetase Protein. 2021 , 10, | 9 |
| 501 | Aromatic Oils from Forest and Their Application. 2021 , 19-37 | 1 |
| 500 | Potential and opportunities of nutmeg pericarp as functional foods. 2021 , 306, 04007 | |
| 499 | In-vitro anti-Mycobacterium tuberculosis effect of essential oil of Ocimum sanctum L. (Tulsi/Basil) leaves. 2021 , 68, 470-473 | 2 |
| 498 | In vitro and in vivo antibacterial activity assays of carvacrol: A candidate for development of innovative treatments against KPC-producing Klebsiella pneumoniae. 2021 , 16, e0246003 | 6 |
| 497 | Essential Oils in Livestock: From Health to Food Quality. 2021 , 10, | 20 |
| 496 | Antiparasitic and Antibacterial Functionality of Essential Oils: An Alternative Approach for Sustainable Aquaculture. 2021 , 10, | 52 |
| 495 | Combining Celery Oleoresin, Limonene and Rhamnolipid as New Strategy to Control Endospore-Forming. 2021 , 10, | 1 |
| 494 | Nanoemulsion-Based Technologies for Delivering Natural Plant-Based Antimicrobials in Foods. 2021 , 5, | 23 |

| 493 | Validation of Qualitative Broth Volatilization Checkerboard Method for Testing of Essential Oils: Dual-Column GC-FID/MS Analysis and In Vitro Combinatory Antimicrobial Effect of and against in Liquid and Vapor Phases. 2021 , 10, | 1 |
|-----|---|---|
| 492 | Thyme Oil Enhances the Inactivation of on Raw Chicken Breast Meat During Marination in Lemon Juice With Added Extract. 2020 , 7, 619023 | 3 |
| 491 | Yeast-Derived Plant Phenolic Emulsions as Novel, Natural, and Sustainable Food Preservatives. 2021 , 1, 326-337 | 1 |
| 490 | Screening and enhancement of the antimicrobial activity of some plant oils using liposomes as nanoscale carrier. 2021 , 45, | 3 |
| 489 | Origanum vulgare ssp. hirtum Essential Oil as a Natural Intrinsic Hurdle against Common Spoilage and Pathogenic Microbes of Concern in Tomato Juice. 2021 , 1, 1-10 | O |
| 488 | Inhibition of growth and virulence of Vibrio cholerae by carvacrol, an essential oil component of Origanum spp. 2021 , 131, 1147-1161 | 3 |
| 487 | Extraction development for antimicrobial and phytotoxic essential oils from asteraceae species: Achillea fragrantissima, Artemisia judaica and Tanacetum sinaicum. 2021 , 36, 352-364 | 5 |
| 486 | Evolution of Flavors in Extra Virgin Olive Oil Shelf-Life. 2021 , 10, | 8 |
| 485 | Interstrains comparison of the antimicrobial effect and mode of action of a Vietnamese Cinnamomum cassia essential oil from leaves and its principal component against Listeria monocytogenes. 2021 , 72, 757-766 | O |
| 484 | Evaluation of antimicrobial and antioxidant efficacy of hydro ethanol extract of peels of Kufri Chandramukhi, Kufri Chipsona-3, and Kufri Jyoti potato varieties alone and in combination. 2021 , 41, e12901 | |
| 483 | Chitosan-Coating Effect on the Characteristics of Liposomes: A Focus on Bioactive Compounds and Essential Oils: A Review. 2021 , 9, 445 | 9 |
| 482 | In vitro growth-inhibitory effect of essential oils and supercritical carbon dioxide extracts from Cinnamomum spp. barks and fruits against food bacterial pathogens in liquid and vapor phase. 2021 , 41, e12900 | 3 |
| 481 | Evaluation of the use of essential oils for managing powdery mildew disease on zucchini plants. 2021 , 103, 587-593 | |
| 480 | Combination Therapy Involving Lavandula angustifolia and Its Derivatives in Exhibiting Antimicrobial Properties and Combatting Antimicrobial Resistance: Current Challenges and Future Prospects. 2021 , 9, 609 | 1 |
| 479 | Impact of encapsulated orange essential oil with Exyclodextrin on technological, digestibility, sensory properties of wheat cakes as well as Aspergillus flavus spoilage. 2021 , 101, 5599-5607 | 4 |
| 478 | Characterization of Myrrh Essential Oil w $$ –th GC-MS and Investigation Antibacter $$ –al Effects on Salmonella spp | |
| 477 | Efficient reduction in vegetative cells and spores of Bacillus subtilis by essential oil components-coated silica filtering materials. 2021 , 86, 2590-2603 | 1 |
| 476 | Effect of yogurt-based marinade combined with essential oils on the behavior of Listeria monocytogenes, Escherichia coli O157:H7 and Salmonella spp. in camel meat chunks during storage. 2021 , 343, 109106 | 5 |

(2021-2021)

| 475 | Antimicrobial Power of Organic Acids and Nature-Identical Compounds against Two spp.: An In Vitro Study. 2021 , 9, | 3 |
|-----|---|----|
| 474 | Essential oils and their nanoformulations as green preservatives to boost food safety against mycotoxin contamination of food commodities: a review. 2021 , 101, 4879-4890 | 10 |
| 473 | Thymol-functionalized hollow mesoporous silica spheres nanoparticles: preparation, characterization and bactericidal activity. 2021 , 44, 1 | 3 |
| 472 | Investigate the adverse effects of foliarly applied antimicrobial nanoemulsion (carvacrol) on spinach. 2021 , 141, 110936 | 3 |
| 471 | Synergistic effects of cinnamaldehyde and cinnamic acid in cinnamon essential oil against S. pullorum. 2021 , 162, 113296 | 5 |
| 470 | Biological Properties and Prospects for the Application of Eugenol-A Review. 2021 , 22, | 29 |
| 469 | Mutagenicity assessment of aflatoxin B1 exposed to essential oils. 2021 , 140, 110622 | 3 |
| 468 | Application of sage herbal dust essential oils and supercritical fluid extract for the growth control of Escherichia coli in minced pork during storage. 2021 , 141, 110935 | 5 |
| 467 | Critical review on the use of essential oils against spoilage in chilled stored fish: A quantitative meta-analyses. 2021 , 111, 175-190 | 10 |
| 466 | Application of clove and dill oils as an alternative of salphos for chickpea food seed storage. 2021 , 11, 10390 | O |
| 465 | Liposome Permeability to Essential Oil Components: A Focus on Cholesterol Content. 2021 , 254, 381-395 | O |
| 464 | The Chemistry of Antibiofilm Phytocompounds. 2021 , 21, 1034-1047 | 1 |
| 463 | Evaluation of the in vitro antibacterial activity of some essential oils and their blends against Staphylococcus spp. isolated from episodes of sheep mastitis. 2021 , 32, 407-416 | 1 |
| 462 | Fabrication of Caseinate Stabilized Thymol Nanosuspensions via the pH-Driven Method: Enhancement in Water Solubility of Thymol. 2021 , 10, | 6 |
| 461 | Antimicrobial-coated films as food packaging: A review. 2021 , 20, 3404-3437 | 11 |
| 460 | Essential Oils and Their Application in Food Safety. 5, | 27 |
| 459 | Prevalence, Characterization, and Control of Isolated from Raw Milk, Cheese, and Human Stool Samples in Beni-Suef Governorate, Egypt. 2021 , 18, 322-330 | 1 |
| 458 | Phytochemical Profile and In Vitro Antioxidant, Antimicrobial, Vital Physiological Enzymes Inhibitory and Cytotoxic Effects of Leaves Essential Oil from Palestine. 2021 , 26, | 7 |

| 457 | Microwave applications in the food industry: an overview of recent developments. 2021, 1-20 | 26 |
|-----|--|----|
| 456 | Antilisterial Effect of a Natural Formulation Based on Citrus Extract in Ready-To-Eat Foods. 2021 , 10, | 1 |
| 455 | Active edible coatings in meat 2021 , 16, | |
| 454 | Essential oils and their components in combating fungal pathogens of animal and human skin. 2021 , 31, 101118 | 2 |
| 453 | Evaluation of the antibacterial activity of allyl isothiocyanate, clove oil, eugenol and carvacrol against spoilage lactic acid bacteria. 2021 , 145, 111263 | 9 |
| 452 | A Comparative Study of Antimicrobial and Antioxidant Activities of Plant Essential Oils and Extracts as Candidate Ingredients for Edible Coatings to Control Decay in 'Wonderful' Pomegranate. 2021 , 26, | 2 |
| 451 | Elimination of oxidative stress and genotoxicity of biosynthesized titanium dioxide nanoparticles in rats via supplementation with whey protein-coated thyme essential oil. 2021 , 28, 57640-57656 | 4 |
| 450 | Synergistic Antimicrobial Activities of Combinations of Vanillin and Essential Oils of Cinnamon Bark, Cinnamon Leaves, and Cloves. 2021 , 10, | 3 |
| 449 | Caralluma europaea (Guss) N.E.Br.: A review on ethnomedicinal uses, phytochemistry, pharmacological activities, and toxicology. 2021 , 273, 113769 | 4 |
| 448 | Interaction of limonene, terpineol, and 1,8 cineol with a model of biomembrane: A DSC study. 2021 , 700, 178938 | 3 |
| 447 | Within-Plant Variation in L. Terpenes and Phenols and Their Antimicrobial Activity against the Rosemary Phytopathogens and. 2021 , 26, | O |
| 446 | Determining Food Stability to Achieve Food Security. 2021 , 13, 7222 | 2 |
| 445 | Lepidium sativum seed oil 3D nano-oleogel for the management of diabetic wounds: GC/MS analysis, in-vitro and in-vivo studies. 2021 , 63, 102504 | 1 |
| 444 | Post-Harvest Enhancing and Botrytis cinerea Control of Strawberry Fruits Using Low Cost and Eco-Friendly Natural Oils. 2021 , 11, 1246 | 7 |
| 443 | Combination of Natural Compounds With Novel Non-thermal Technologies for Poultry Products: A Review. 2021 , 8, 628723 | 4 |
| 442 | Mint Oils: In Vitro Ability to Perform Anti-Inflammatory, Antioxidant, and Antimicrobial Activities and to Enhance Intestinal Barrier Integrity. 2021 , 10, | 4 |
| 441 | Prevalence of antimicrobial-resistant Streptococcus species among respiratory patients and meat products, and antibacterial effects of oregano oil nanoemulsion. 2021 , 7, 135-141 | |
| 440 | Chemical composition, extraction sources and action mechanisms of essential oils: Natural preservative and limitations of use in meat products. 2021 , 176, 108463 | 25 |

| 439 | Exploring Phytochemicals for Combating Antibiotic Resistance in Microbial Pathogens. 2021 , 12, 720726 | 24 |
|-----|---|----|
| 438 | Smart and Active Food Packaging: Insights in Novel Food Packaging. <i>Frontiers in Microbiology</i> , 2021 , 12, 657233 | 9 |
| 437 | Polylysine-coated liposomes loaded with a ECD inclusion complex loaded with carvacrol: Preparation, characterization, and antibacterial activities. 2021 , 146, 111422 | 5 |
| 436 | Chemical Profile, Antioxidant Capacity, and Antimicrobial Activity of Essential Oils Extracted from Three Different Varieties (Moldoveanca 4, Vis Magic 10, and Alba 7) of. 2021 , 26, | 7 |
| 435 | Combination of allyl isothiocyanate and cinnamaldehyde against the growth of mycotoxigenic fungi and aflatoxin production in corn. 2021 , 45, e15760 | О |
| 434 | Oregano and Thyme Essential Oils Encapsulated in Chitosan Nanoparticles as Effective Antimicrobial Agents against Foodborne Pathogens. 2021 , 26, | 9 |
| 433 | Chemical composition, antibacterial and antioxidant activities of lemongrass (Cymbopogon citratus) essential oil and its fractions obtained by vacuum distillation. 2021 , 1166, 012051 | 1 |
| 432 | Natural Anti-Microbials for Enhanced Microbial Safety and Shelf-Life of Processed Packaged Meat. 2021 , 10, | 6 |
| 431 | Clean Label Alternatives in Meat Products. 2021 , 10, | 7 |
| 430 | Effect of HLB value on the properties of chitosan/zein/lemon essential oil film-forming emulsion and composite film. 2021 , 56, 4925 | 2 |
| 429 | Essential oils as natural antimicrobials applied in meat and meat products-a review. 2021, 1-17 | 12 |
| 428 | Horseradish Essential Oil as a Promising Anti-Algal Product for Prevention of Phytoplankton Proliferation and Biofouling. 2021 , 10, | |
| 427 | Relevant essential oil components: a minireview on increasing applications and potential toxicity. 2021 , 31, 559-565 | 4 |
| 426 | Negative Impact of Citral on Susceptibility of to Antibiotics. <i>Frontiers in Microbiology</i> , 2021 , 12, 709838 5.7 | O |
| 425 | Comparison of biopolymer-based edible coatings incorporating Piper nigrum and Schinus terebinthifolia applied on minimally processed pineapple. 2021 , ahead-of-print, | О |
| 424 | Comparative Analysis of Machine Learning Methods to Predict Growth of and Production of T-2 and HT-2 Toxins in Treatments with Ethylene-Vinyl Alcohol Films Containing Pure Components of Essential Oils. 2021 , 13, | O |
| 423 | Synergistic Field Crop Pest Management Properties of Plant-Derived Essential Oils in Combination with Synthetic Pesticides and Bioactive Molecules: A Review. 2021 , 10, | 8 |
| 422 | Application of natural antimicrobials in food preservation: Recent views. 2021 , 126, 108066 | 31 |

| 421 | Combined antibacterial effect of Origanum compactum and Mentha piperita (Lamiaceae) essential oils against ATCC Escherichia coli and Staphylococcus aureus. 1 | 1 |
|------------------|--|----|
| 420 | Antifungal potential of guava (Psidium guajava) leaves essential oil, major compounds: beta-caryophyllene and caryophyllene oxide. 1-17 | 4 |
| 419 | The Chemical Profiling of Essential Oils from Different Tissues of L. and Their Antimicrobial Activities. 2021 , 26, | 4 |
| 418 | Chemical composition of essential oils of eight Tunisian Eucalyptus species and their antibacterial activity against strains responsible for otitis. 2021 , 21, 209 | 3 |
| 417 | Chitosan and Lemon Extract Applied during Giuncata Cheese Production to Improve the Microbiological Stability. 2021 , 11, 7446 | О |
| 416 | Antimicrobial activity of essential oils and natural plant extracts against Listeria monocytogenes in a dry-cured ham-based model. 2021 , | 1 |
| 415 | Biofuels and Oils from Amazon Crops: Challenges and Opportunities for the Sustainable Use of Biodiversity Resources. 2021 , 17, 204-213 | |
| 4 ¹ 4 | Natural Methoxyphenol Compounds: Antimicrobial Activity against Foodborne Pathogens and Food Spoilage Bacteria, and Role in Antioxidant Processes. 2021 , 10, | 5 |
| 413 | Bacterial Skin Infections in Livestock and Plant-Based Alternatives to Their Antibiotic Treatment. 2021 , 11, | 1 |
| 412 | EII °TL ~ ° B ~ °TK ~ °SEL EKSTRAKTLAR VE KOMB ~ °NASYONLARININ KETEDE ANT ~ °M ~ °KROB ~ °YEL ETK ~ °S ~ °N ~ ARAIIIRILMASI. 1092-1104 | °N |
| 411 | Insights into the current evidence on the effects of essential oils toward beneficial microorganisms in foods with a special emphasis to lactic acid bacteria 🖟 review. 2021 , 114, 333-341 | 4 |
| 410 | Pharmacological Properties and Health Benefits of Eugenol: A Comprehensive Review. 2021 , 2021, 2497354 | 12 |
| 409 | Inactivation of Salmonella enterica and Colletotrichum gloeosporioides on Whole Mangoes by Application of an Antimicrobial Coating Containing Oregano Essential Oil. 2021 , 7, 305 | 0 |
| 408 | Synergistic Antioxidant and Antibacterial Advantages of Essential Oils for Food Packaging Applications. 2021 , 11, | 14 |
| 407 | Application of essential oils as preservatives in food systems: challenges and future prospectives \square a review. 1 | 3 |
| 406 | Natural preservative efficacy of cured betel leaf essential oil for sapota juice: Effect on physicochemical, microbial, and sensory properties. e15927 | O |
| 405 | Dietary Isothiocyanates, Sulforaphane and 2-Phenethyl Isothiocyanate, Effectively Impair Virulence. 2021 , 22, | 2 |
| 404 | Lemongrass and cinnamon oil nanoemulsions: Formulation and study of their physical stability and activity against. 2021 , 27, 485-498 | 1 |

(2021-2021)

| 403 | Antibacterial plant compounds, extracts and essential oils: An updated review on their effects and putative mechanisms of action. 2021 , 90, 153626 | 35 |
|---------------------------------|---|------------------|
| 402 | Atmospheric pressure plasma deposition of eugenol-derived film on metallic biomaterial for suppression of Escherichia coli and Staphylococcus aureus bacterial biofilm. 2021 , 734, 138833 | 1 |
| 401 | and Essential Oils Reduce the Colonization of Typhimurium in an In Vivo Infection Model Using. 2021 , 26, | O |
| 400 | The impact of essential oils on the qualitative properties, release profile, and stimuli-responsiveness of active food packaging nanocomposites. 2021 , 1-24 | 2 |
| 399 | Use of nature-derived antimicrobial substances as safe disinfectants and preservatives in food processing industries: A review. e15999 | 1 |
| 398 | A rapid way of formulation development revealing potential synergic effects on numerous antimicrobial combinations against foodborne pathogens. 2021 , 158, 105047 | 2 |
| 397 | A chemical genetic approach using genetically encoded reporters to detect and assess the toxicity of plant secondary metabolites against bacterial pathogens. 2021 , 418, 126399 | 3 |
| 396 | Antibacterial cuminaldehyde/hydroxypropyl-Ecyclodextrin inclusion complex electrospun fibers mat: Fabrication and characterization. 2021 , 29, 100738 | 9 |
| 395 | The structural appeal of metalBrganic frameworks in antimicrobial applications. 2021, 442, 214007 | 14 |
| | | |
| 394 | Exploiting the chemical composition of essential oils from Psidium cattleianum and Psidium guajava and its antimicrobial and antioxidant properties. 2021 , 86, 4637-4649 | 3 |
| 394 | | 6 |
| | guajava and its antimicrobial and antioxidant properties. 2021 , 86, 4637-4649 | · |
| 393 | guajava and its antimicrobial and antioxidant properties. 2021, 86, 4637-4649 Essential Oil and Its Biological Activity. 2021, 10, Characterization, antimicrobial activity, and antioxidant activity of the nanoemulsions of Lavandula | 6 |
| 393 392 | guajava and its antimicrobial and antioxidant properties. 2021, 86, 4637-4649 Essential Oil and Its Biological Activity. 2021, 10, Characterization, antimicrobial activity, and antioxidant activity of the nanoemulsions of Lavandula spica essential oil and its main monoterpenes. 2021, 65, 102732 Characterization of seaweed polysaccharide-based bilayer films containing essential oils with | 6 |
| 393 392 391 | Essential Oil and Its Biological Activity. 2021, 10, Characterization, antimicrobial activity, and antioxidant activity of the nanoemulsions of Lavandula spica essential oil and its main monoterpenes. 2021, 65, 102732 Characterization of seaweed polysaccharide-based bilayer films containing essential oils with antibacterial activity. 2021, 150, 111961 Electrospun Essential oil encapsulated nanofibers for the management of anthracnose disease in | 6 6 5 |
| 393 392 391 390 | Essential Oil and Its Biological Activity. 2021, 10, Characterization, antimicrobial activity, and antioxidant activity of the nanoemulsions of Lavandula spica essential oil and its main monoterpenes. 2021, 65, 102732 Characterization of seaweed polysaccharide-based bilayer films containing essential oils with antibacterial activity. 2021, 150, 111961 Electrospun Essential oil encapsulated nanofibers for the management of anthracnose disease in Sapota. 2021, 170, 113727 Cytotoxic and antimicrobial activities of Rydingia michauxii methanolic extracts during various | 6 6 5 |
| 393 392 391 390 389 | Essential Oil and Its Biological Activity. 2021, 10, Characterization, antimicrobial activity, and antioxidant activity of the nanoemulsions of Lavandula spica essential oil and its main monoterpenes. 2021, 65, 102732 Characterization of seaweed polysaccharide-based bilayer films containing essential oils with antibacterial activity. 2021, 150, 111961 Electrospun Essential oil encapsulated nanofibers for the management of anthracnose disease in Sapota. 2021, 170, 113727 Cytotoxic and antimicrobial activities of Rydingia michauxii methanolic extracts during various growth stages. 2021, 4, 100225 Thymus satureioides and Origanum majorana essential oils improve the quality of Beni Arouss buck | 6 6 5 2 |

| 385 | Effect of sodium alginate-agar coating containing ginger essential oil on the shelf life and quality of beef. 2021 , 130, 108216 | 7 |
|-----|---|----|
| 384 | Inhibition of Staphylococcus aureus on a laboratory medium and black peppercorns by individual and combinations of essential oil vapors. 2022 , 132, 108487 | 1 |
| 383 | Antifungal activity of wild bergamot (Monarda fistulosa) essential oil against postharvest fungal pathogens of banana fruits. 2022 , 144, 166-174 | 2 |
| 382 | A review of the methods used to determine the target site or the mechanism of action of essential oils and their components against fungi. 2021 , 3, 1 | 8 |
| 381 | Preservative Efficacy of Essential Oils Against Postharvested Fungi and Insects of Food Commodities [A Prospect to Go Green. 2021 , 461-476 | |
| 380 | Medico-legal Perspectives of Usage, Commercialization, and Protection of Traditional Drug-Yielding and Essential Oil-Yielding Plants in India. 2021 , 761-783 | |
| 379 | Chitosan-based film incorporated with essential oil nanoemulsion foreseeing enhanced antimicrobial effect. 2021 , 58, 3314-3327 | 4 |
| 378 | Role of Mycotoxins in Human Food and Inhibition of Their Producers by Plant-Derived Products. 2021 , 62-86 | O |
| 377 | Potential Role of Forest-Based Plants in Essential Oil Production: An Approach to Cosmetic and Personal Health Care Applications. 2021 , 1-18 | 2 |
| 376 | An Overview of the Potential Therapeutic Applications of Essential Oils. 2021 , 26, | 20 |
| 375 | Antimicrobials of Plant Origin. 2017 , 85-100 | 2 |
| 374 | Conventional and Modern Technologies for the Management of Post-Harvest Diseases. 2020 , 137-172 | 6 |
| 373 | Biological Control of Postharvest Diseases by Microbial Antagonists. 2020 , 243-261 | 1 |
| 372 | Antimicrobial Activity of the Glucosinolates. 2017 , 249-274 | 8 |
| 371 | Transcriptome analysis of Botrytis cinerea in response to tea tree oil and its two characteristic components. 2020 , 104, 2163-2178 | 17 |
| 370 | Targeting fish spoilers Pseudomonas and Shewanella with oregano and nettle extracts. 2020 , 328, 108664 | 15 |
| 369 | A rapid GC-FID method for determination of sabinene, ⊕inene, ⊞-thujone and ⊞hujone in the essential oil of Kitchen Sage (Salvia officinalis L.). 2020 , 1149, 122159 | 2 |
| 368 | Identification of phytochemical inhibitors against main protease of COVID-19 using molecular modeling approaches. 2021 , 39, 3760-3770 | 69 |

| 367 | Qualitative Variations of Lavandin Essential Oil under Various Storage Conditions. 2020, 23, 1237-1252 | 5 |
|------|---|----|
| 366 | Current and future perspectives for controlling biofilms in the seafood industry: a comprehensive review. 2021 , 61, 1827-1851 | 12 |
| 365 | Recent advances on the efficacy of essential oils on mycotoxin secretion and their mode of action. 2021 , 1-26 | 5 |
| 364 | Cinnamaldehyde disrupts biofilm formation and swarming motility of Pseudomonas aeruginosa. 2018 , 164, 1087-1097 | 24 |
| 363 | Oregano powder reduces Streptococcus and increases SCFA concentration in a mixed bacterial culture assay of chicken. | 1 |
| 362 | Phytochemical residue profiles in rice grains fumigated with essential oils for the control of rice weevil. 2017 , 12, e0186020 | 7 |
| 361 | A study on correlations between antimicrobial effects and diffusion coefficient, zeta potential and droplet size of essential oils. 2020 , | 2 |
| 360 | Chemical composition, antioxidant and antimicrobial activity of essential oils from tangerine (L.), grapefruit (L.), lemon (L.) and cinnamon (Blume). 2021 , 76, 175-185 | 7 |
| 359 | Combined Activity of Colloid Nanosilver and Essential Oil-Mechanism of Action and Biofilm Removal Activity. 2017 , 7, 621-628 | 6 |
| 358 | Inhibitory effect of thyme and cinnamon essential oils against E. coli O157:H7 in Tahini. 2020 , 40, 885-893 | 6 |
| 357 | Characterization, Antioxidant and Antibacterial Activity of Essential Oils and Their Encapsulation into Biodegradable Material Followed by Freeze Drying. 2019 , 57, 282-289 | 21 |
| 356 | The Effect of Extracts and Essential Oil from Invasive spp. and on Crop-Borne Fungi and Wheat Germination. 2020 , 58, 273-283 | 1 |
| 355 | Inhibitory Effect of Mentha Longifolia L. Essential Oil against Listeria Monocytogenes Using Transmission Electron Microscopy. 2016 , 2, 014-017 | 2 |
| 354 | ANTIBACTERIAL EFFECT OF NATURAL OILS IAN OPPORTUNITY TO SOLVE THE PROBLEM OF ANTIBIOTIC RESISTANCE ON THE EXAMPLE OF PSEUDOMONAS SPP 2019 , 58, 177-190 | 3 |
| 2.72 | | |
| 353 | Improved in vitro and in vivo Anti- Activity of Essential Oil by Its Incorporation into a Microemulsion System. 2020 , 15, 10481-10497 | 8 |
| 353 | | 8 |
| | System. 2020, 15, 10481-10497 Essential Oils: An Impending Substitute of Synthetic Antimicrobial Agents to Overcome | |

| 349 | In Vitro Antimicrobial Activities of Various Essential Oils Against Pathogenic and Spoilage Microorganisms. 2018 , 5, 41-48 | 8 |
|-----|--|----|
| 348 | The Use of Herbal Extracts and Essential Oils as a Potential Antimicrobial in Meat and Meat Products; A Review. 2016 , 1, 63-74 | 20 |
| 347 | Antibacterial Activity of Zataria multiflora Boiss Essential Oil against Some Fish Spoilage Bacteria. 2017 , 2, 220-225 | 6 |
| 346 | Use of essential oils as new food preservatives (Case: Eucalyptus grandis and Eucalyptus crebra). 2018 , 2, 083-090 | 4 |
| 345 | Eucalyptus globulus (Labill.) : un arbre 🛭 essence aux mille vertus. 2018 , 16, S203-S214 | 1 |
| 344 | Exploring Additive, Synergistic or Antagonistic Effects of Natural Plant Extracts on In Vitro Beef Feedlot-Type Rumen Microbial Fermentation Conditions. 2020 , 10, | 4 |
| 343 | GC-MS Analysis, Antioxidant and Antimicrobial Activities of Subsp. and Essential Oils and Their Potential Use as Food Preservatives. 2020 , 9, | 10 |
| 342 | Inhibition of TEMbla Producing Escherichia coli Isolated From Poultry Colibacillosis Using Cinnamomum camphora and Syzygium aromaticum Essential Oils. 2019 , 6, 88-94 | 1 |
| 341 | Effect of Rosemary Essential Oil and VOCs on Pathogenic Fungi Responsible for Ginseng Root-rot Disease. 2020 , 30, 1018-1026 | 3 |
| 340 | Characterization of Endolysin LysECP26 Derived from rV5-like Phage vB_EcoM-ECP26 for Inactivation of O157:H7. 2020 , 30, 1552-1558 | 6 |
| 339 | Bioactive Constituents, Radical Scavenging, and Antibacterial Properties of the Leaves and Stem Essential Oils from (L.) Kunth. 2017 , 13, S392-S400 | 11 |
| 338 | Characterization of Natural Antimicrobials in Food System. 2018 , 08, 894-916 | 8 |
| 337 | Antifungal activity of lemon, eucalyptus, thyme, oregano, sage and lavender essential oils against Aspergillus niger and Aspergillus tubingensis isolated from grapes. 2016 , 10, | 16 |
| 336 | Influence of essential oils on the growth of aspergillus flavus. 2017 , 11, | 6 |
| 335 | Preservative of Essential Oil Blends: Control of Clostridium perfringens Type a in Mortadella. 64, | |
| 334 | Effects of Essential Oils on in Vitro Growth of Fungi Cladobotryum dendroides and Mycogone perniciosa Infecting Button Mushroom. 2021 , 28, 411-427 | |
| 333 | Antibacterial and Therapeutic Potentials of the Extract against Infected Wound in a Rat Model with Its Mechanisms of Antibacterial Action. 2021 , 2021, 4303902 | 1 |
| 332 | Eherische Ie aus Zimt und GewEznelken verstEken die Wirkung von Antibiotika gegen multiresistente bakterielle Krankheitserreger. 2021 , 42, 233-240 | O |

| 331 | Essential Oils from Piper caldense C. DC. and Piper xylosteoides (Kunth) Steud.: Seasonal Variation of the Chemical Composition and Antimicrobial Activity. 2021 , 18, e2100495 | O |
|-----|--|---|
| 330 | Antifungal activity of essential oils and their combinations against postharvest fruit pathogen. 2021 , 183-190 | |
| 329 | Preharvest Management and Postharvest Intervention Strategies to Reduce Contamination in Goat Meat: A Review. 2021 , 11, | 1 |
| 328 | Would carvacrol be a supporting treatment option effective in minimizing the deleterious effects of COVID-19?. 2021 , 394, 2471-2474 | |
| 327 | Antimycotic Effects of 11 Essential Oil Components and Their Combinations on 13 Food Spoilage Yeasts and Molds. 2021 , 7, | O |
| 326 | Antimicrobial and Anticorrosion Activity of a Novel Composite Biocide against Mixed Bacterial Strains in Taiwanese Marine Environments. 2021 , 14, | 1 |
| 325 | Eucalyptol/ Etyclodextrin inclusion complex loaded gellan/PVA nanofibers as antifungal drug delivery system. 2021 , 609, 121163 | 2 |
| 324 | Enzymatic modification of enriched lemon oil in a solvent-free reaction medium: Bioconversion yield and product profile. 2021 , 6, 100211 | |
| 323 | Flavouring and Coating Technologies for Preservation and Processing of Foods. 267-312 | |
| 322 | Determination of Malaysian Herbs and Spices as Biopreservative Agents in Food Products. 2015 , 06, 718-724 | O |
| 321 | Potential Applications of Natural Antioxidants in Meat and Meat Products. 2016 , 95-140 | |
| 320 | Evaluation of the effect of aromatherapy in management of knee osteoarthritis patients. 2018, 11, | |
| 319 | Patateslerde Yumulik lkll li Glya I –yla Azalt –lmas –. 127-134 | |
| 318 | NATURAL ANTIMICROBIALS OF PLANT ORIGIN. | 2 |
| 317 | Applications potentielles de l i uile essentielle de lavande papillon (Lavandula stoechas L.) comme conservateur alimentaire naturel. 2018 , 16, S164-S172 | 1 |
| 316 | Antifungal activity of the esssential oil of Seseli rigidum Waldst. & Kit. (Apiaceae) on the growth of isolates of Candida albicans. 2019 , 69, 67-79 | |
| 315 | Essential Oils: Potential Application in Disease Management. 2019 , 299-311 | |
| 314 | Preservation effect of cinnamon and clove essential oil vapors on shelled walnut. 2019 , 62, 141-145 | |

| 313 | GC-MS Analysis of Commercially Available Allium sativum and Trigonella foenum-graecum Essential Oils and their Antimicrobial Activities. 2019 , 13, 2545-2552 | | 1 |
|-----|--|---------|---------|
| 312 | Narenciye Kabu ÜÜ Esansiyel Ya Üar – Kullan –larak Haz –rlanan Mikroenkaps Bal –k Ya Ü – Tozlar Depolama S Besince Renk ve Duyusal De Ümleri. | ์ –ก~ – | ·n O |
| 311 | Transformacifi catal fi ca del aceite esencial de Palo Santo sobre zeolita Faujasita HY. 2020 , 21, 1-9 | | |
| 310 | Antimicrobial activity of Thymbra spicata L. essential oil in Turkish dry fermented sausages. | | |
| 309 | Molecular Docking and Comparative Inhibitory Efficacy of Naturally Occurring Compounds on Vegetative Growth and Deoxynivalenol Biosynthesis in. 2021 , 13, | | 2 |
| 308 | Natural Products from Medicinal Plants against Phytopathogenic Species: Current Research Endeavours, Challenges and Prospects. 2021 , 26, | | 7 |
| 307 | Antifungal and synergistic activities of some selected essential oils on the growth of significant indoor fungi of the genus. 2021 , 56, 1335-1346 | | 3 |
| 306 | Silver nanoparticles (AgNPs) facilitated by plant parts of Crataegus ambigua Becker AK extracts and their antibacterial, antioxidant and antimalarial activities. 2021 , 14, 51-61 | | 7 |
| 305 | Synergistic inactivation of Escherichia coli O157:H7 and Staphylococcus aureus by gallic acid and thymol and its potential application on fresh-cut tomatoes. 2022 , 102, 103925 | | 5 |
| 304 | Caractfisation chimique et activits antibactfiennes des huiles essentielles de Pelargonium graveolens et Myrtus communis et leur effet antibactfien synergique. 2021 , 19, 171-177 | | 1 |
| 303 | Antimicrobial Activity of Essential Oils. 2020 , 335-356 | | |
| 302 | A Carvacrol-Rich Essential Oil Extracted From Oregano ("Hot & Spicy") Exerts Potent Antibacterial Effects Against. <i>Frontiers in Microbiology</i> , 2021 , 12, 741861 | 5.7 | 1 |
| 301 | The Use of Porous Silica Particles as Carriers for a Smart Delivery of Antimicrobial Essential Oils in Food Applications. 2021 , 6, 30376-30385 | | О |
| 300 | Natural Antimicrobial Materials. 2021 , 149-169 | | |
| 299 | Identification of Chemical Compounds and Evaluation of Antioxidant and Antimicrobial Properties of Sage (Salvia officinalis L.) Essential Oil at Different Harvest Times. 2020 , 14, 1-15 | | 2 |
| 298 | Effects of Methanol Extract of Wedelia chinensis Osbeck (Asteraceae) Leaves against Pathogenic Bacteria with Emphasise on Bacillus cereus. 2013 , 75, 533-9 | | 11 |
| 297 | The Effect of Lavandula Stoechas on Toxigenesis and the Growth of Vibrio Parahaemolyticus. 2018 , 13, 245-255 | | 1 |
| 296 | A Review of the Phytochemistry and Antimicrobial Properties of L. and Subspecies. 2021 , 20, 268-285 | | 1 |

295 Control of foodborne pathogens in common foods in the Middle East. **2022**, 187-226

| 294 | Efficacy and mechanism of carvacrol with octanoic acid against mastitis causing multi-drug-resistant pathogens. 2021 , | 4 |
|-----|--|-------|
| 293 | A Study of the Antimicrobial Activity of Combined Black Pepper and Cinnamon Essential Oils against in Traditional African Yoghurt. 2021 , 10, | 1 |
| 292 | Alternative and Complementary Therapies against Foodborne Salmonella Infections 2021, 10, | 2 |
| 291 | Antimicrobial and Antiviral (SARS-CoV-2) Potential of Cannabinoids and : A Comprehensive Review. 2021 , 26, | 1 |
| 290 | Application of Rosemary and Eucalyptus Essential Oils and Their Main Component on the Preservation of Apple and Pear Fruits. 2021 , 7, 479 | 5 |
| 289 | Chemical Profile of the Volatile Constituents and Antimicrobial Activity of the Essential Oils from , and. 2021 , 10, | 2 |
| 288 | Impact of Fennel Essential Oil as an Antibiotic Alternative in Rabbit Diet on Antioxidant Enzymes Levels, Growth Performance, and Meat Quality. 2021 , 10, | 7 |
| 287 | Nanoencapsulation-Based Edible Coating of Essential Oils as a Novel Green Strategy Against Fungal Spoilage, Mycotoxin Contamination, and Quality Deterioration of Stored Fruits: An Overview <i>Frontiers in Microbiology</i> , 2021 , 12, 768414 | 5.7 1 |
| 286 | Evaluation of the scolicidal activities of eugenol essential oil and its nanoemulsion against protoscoleces of hydatid cysts. 2021 , 16, e0259290 | 1 |
| 285 | Antimicrobial and anti-dust mite efficacy of Cinnamomum camphora chvar. Borneol essential oil using pilot-plant neutral cellulase-assisted steam distillation. 2021 , 74, 258 | 4 |
| 284 | Fumigant toxicity of essential oils against Sitophilus zeamais (Motschulsky) (Coleoptera: Curculionidae): a systematic review and meta-analysis. 1 | 2 |
| 283 | Combined Effect of Erradiation and Antibacterial Formulations Based on Natural Compounds for Preservation of Mother's Milk. | |
| 282 | Optimized Antibacterial Effects in a Designed Mixture of Essential Oils of , and for Wide Range of Applications 2022 , 11, | 5 |
| 281 | Antimicrobial effect of Origanum vulgare (L.) essential oil as an alternative for conventional additives in the Minas cheese manufacture. 2022 , 157, 113063 | 3 |
| 280 | Cyclodextrins-in-Liposomes: A Promising Delivery System for and Essential Oils 2022 , 12, | 2 |
| 279 | In vitro toxicological evaluation of mesoporous silica microparticles functionalised with carvacrol and thymol 2021 , 160, 112778 | 1 |
| 278 | Solid- and vapour-phase antifungal activities of six essential oils and their applications in postharvest fungal control of peach (Prunus persica L. Batsch). 2022 , 156, 113031 | 4 |
| | | |

| 277 | Development of gas phase controlled-release antimicrobial and antioxidant packaging film containing carvacrol loaded with HNT-4M(halloysite nanotubes etched by 4´mol/L hydrochloric acid). 2022 , 31, 100783 | 2 |
|-----|--|----|
| 276 | Application of essential oils in packaging films for the preservation of fruits and vegetables: A review 2021 , 375, 131810 | 11 |
| 275 | New green solutions against bacterial resistance: palmarosa (Cymbopogon martini) essential oil and quorum sensing. 2022 , 25, 100587 | 1 |
| 274 | Antibiofilm effect of nisin alone and combined with food-grade oil components (thymol and eugenol) against Listeria monocytogenes cocktail culture on food and food-contact surfaces. 2022 , 135, 108796 | 5 |
| 273 | Mechanisms underlying the deterioration of fish quality after harvest and methods of preservation. 2022 , 135, 108805 | 3 |
| 272 | LC-MS/MS profiling, antibiofilm, antimicrobial and bacterial growth kinetic studies of Pluchea dioscoridis extracts. 2021 , | O |
| 271 | Changes in Composition, Antibacterial and Antifungal Activities of Mentha piperita Essential Oil During Storage. | |
| 270 | Biosafety, bacteriological quality and strategy of biopreservative administration for controlling spoilage bacteria in Thai traditional dried seafood products. 2021 , 15, 512-521 | |
| 269 | Nanostructured Lipid Carriers Loaded with Essential Oil as a Strategy to Combat the Multidrug-Resistant 2022 , 14, | O |
| 268 | Biopreservation of beer: Potential and constraints 2022 , 107910 | 1 |
| 267 | Application of food-grade natural antimicrobials for the control of crop disease caused by phytopathogens 2022 , 31, 275-284 | 1 |
| 266 | Effects of essential oil components exposure on biological parameters of Caenorhabditis elegans 2021 , 159, 112763 | 1 |
| 265 | Essential-oil capsule preparation and its application in food preservation: A review. 1-35 | 2 |
| 264 | Antifungal and Antiaflatoxinogenic Effects of , , and Essential Oils Alone and in Combination 2022 , 8, | 3 |
| 263 | yA Lesion Microenvironment-Responsive Fungicide Nanoplatform for Crop Disease Prevention and Control 2021 , e2102617 | O |
| 262 | New Insights into and Updates on Antimicrobial Agents. 2022 , 179-217 | 1 |
| 261 | Evaluation of antifungal activity of some plant essential oils against tomato grey mould disease. 1 | 1 |
| 260 | Optimization of a biodegradable packaging film based on carboxymethyl cellulose and Persian gum containing titanium dioxide nanoparticles and Foeniculum vulgare essential oil using response surface methodology. | 1 |

259 Emitters of Essential Oils. **2022**, 61-102

| 258 | Application of Releasing Active Packaging in Cereals and Cereal Based Products. 2022, 403-425 | |
|-----|---|----|
| 257 | Elucidation of antimicrobial and antioxidant activities of selected plant-based mayonnaise-derived essential oils against lactic acid bacteria. | |
| 256 | Essential oil from Lavandula angustifolia elicits expression of three SbWRKY transcription factors and defense-related genes against sorghum damping-off 2022 , 12, 857 | 1 |
| 255 | Antimicrobial Activity of Bioactive Compounds (Thymoquinone and Eugenol) and Its Nanoformulation Therapeutic Potential. 2022 , 397-421 | O |
| 254 | Application of essential oils in food industry: challenges and innovation. 1-14 | 2 |
| 253 | The Effect of the Use of Essential Oils in the Feed of Bee Families on Honey Chemical Composition and Antimicrobial Activity. 2022 , 12, 1094 | 2 |
| 252 | Culinary Spices in Food and Medicine: An Overview of (L.) Merr. and L. M. Perry [Myrtaceae] 2021 , 12, 793200 | 1 |
| 251 | Terpenes and terpenoids as main bioactive compounds of essential oils, their roles in human health and potential application as natural food preservatives 2022 , 13, 100217 | 19 |
| 250 | Essential oil nanoemulsions: Properties, development, and application in meat and meat products. 2022 , 121, 1-13 | 9 |
| 249 | Development of a predictive model of the microbial inactivation of L. monocytogenes during low thermal treatment of fruit juices in combination with carvacrol as aroma compound 2022 , 5, 374-381 | 1 |
| 248 | Assessment of Cinnamon as an Antimicrobial Agent. 2022 , 53-73 | |
| 247 | Biopolymer-based antimicrobial coatings for aquatic food products: A Review. | О |
| 246 | Chemical composition, antioxidant, and antimicrobial activity of Elsholtzia beddomei C. B. Clarke ex Hook. f. essential oil 2022 , 12, 2225 | 1 |
| 245 | Essential Oils and Their Major Components: An Updated Review on Antimicrobial Activities, Mechanism of Action and Their Potential Application in the Food Industry 2022 , 11, | 13 |
| 244 | Encapsulation of essential oils and their application in antimicrobial active packaging. 2022, 108883 | 13 |
| 243 | Effects of the combination of some essential oils with methylparaben and sodium metabisulfite against pathogenic foodborne bacteria. | |
| 242 | Fungal inactivation on Mexican corn tortillas by means of thyme essential oil in vapor-phase 2022 , 5, 629-633 | 1 |

Natural Antifungal Products: Another Option for Antifungal Resistance. **2022**, 277-288

| 240 | Mycobacterial quorum quenching and biofilm inhibition potential of medicinal plants. 2022 , 309-333 | |
|-----|--|---|
| 239 | Enhancement of Biocontrol Agents Activity by Compatible Treatments Against Postharvest Disease of Fruits. 2022 , 245-264 | 1 |
| 238 | Value-added effects of using aromatic plants in foods and human therapy. 42, | |
| 237 | Encapsulated Clove Bud Essential Oil: A New Perspective as an Eco-Friendly Biopesticide. 2022 , 12, 338 | 1 |
| 236 | Evaluation of Antibacterial Activity of Essential Oils of Melaleuca cajuputi Powell. 2022, 16, 549-556 | O |
| 235 | Essential Oil as Green Preservative Obtained by Ecofriendly Extraction Techniques. | |
| 234 | Hazard of Staphylococcal Enterotoxins in Food and Promising Strategies for Natural Products against Virulence 2022 , | O |
| 233 | A Novel Comparative Review between Chemical, Natural Essential Oils and Physical (Ozone) Conservation of Archaeological Objects against Microbial Deterioration. 1-10 | 0 |
| 232 | Phytochemical and biological activities of some Iranian medicinal plants 2022 , 60, 664-689 | O |
| 231 | Biological control of brown spot pathogen, by different essential oils 2022, 1-14 | |
| 230 | Anti-Biofilms' Activity of Garlic and Thyme Essential Oils against 2022 , 27, | 1 |
| 229 | Natural antimicrobial and antioxidant compounds for active food packaging applications. 1 | 2 |
| 228 | Porous Coatings to Control Release Rates of Essential Oils to Generate an Atmosphere with Botanical Actives 2022 , 15, | 1 |
| 227 | The combination of thymol and cinnamaldehyde reduces the survival and virulence of Listeria monocytogenes on autoclaved chicken breast 2022 , | О |
| 226 | Applications of Essential Oils as Antibacterial Agents in Minimally Processed Fruits and Vegetables-A Review 2022 , 10, | O |
| 225 | Antibacterial activity and mechanism of essential oils in combination with medium-chain fatty acids against predominant bovine mastitis pathogens 2022 , | 3 |
| 224 | Synergistic effects of carvacrol, ⊞-terpinene, 且erpinene, 且ymene and linalool against Gardnerella species 2022 , 12, 4417 | 2 |

| 223 | Comparative Analysis of the Antimicrobial Activity of Essential Oils and Their Formulated Microemulsions against Foodborne Pathogens and Spoilage Bacteria 2022 , 11, | О |
|-------------|---|---|
| 222 | Isoprene production by Rhodobacter sphaeroides and its antimicrobial activity 2022 , 103938 | Ο |
| 221 | Mandarin essential oil as an antimicrobial in ethanolic fermentation: Effects on Limosilactobacillus fermentum and Saccharomyces cerevisiae 2022 , | 1 |
| 220 | Essential Oils and Hydrolates: Potential Tools for Defense against Bacterial Plant Pathogens 2022 , 10, | 3 |
| 219 | Black pepper and tarragon essential oils suppress the lipolytic potential and the type II secretion system of P. psychrophila KM02 2022 , 12, 5487 | |
| 218 | Botanicals for Sustainable Management of Stored Food Grains: Pesticidal Efficacy, Mode of Action and Ecological Risk Assessment Using Computational Approaches. 2022 , 1, 62-79 | 1 |
| 217 | An Overview for the Design of Antimicrobial Polymers: From Standard Antibiotic-Release Systems to Topographical and Smart Materials. 2022 , 52, | O |
| 216 | Biodegradable Nanocomposite Film Based on Carboxymethyl Cellulose/Persian Gum Containing TiO2 and Fennel Essential Oil: Investigation of Chemical, Antimicrobial, and Sensory Properties on Rainbow Trout Fillet. 1 | |
| 215 | Improving Anti-listeria Activity of Thymol Emulsions by Adding Lauric Acid 2022 , 9, 859293 | 1 |
| 214 | Effect of nanocomposite alginate-based film incorporated with cumin essential oil and TiO nanoparticles on chemical, microbial, and sensory properties of fresh meat/beef 2022 , 10, 1401-1413 | O |
| 213 | The Interference Mechanism of Basil Essential Oil on the Cell Membrane Barrier and Respiratory Metabolism of <i>Frontiers in Microbiology</i> , 2022 , 13, 855905 | 0 |
| 212 | Lignin nanoparticles containing essential oils for controlling Phytophthora cactorum diseases. | 2 |
| 211 | Chemical Characterization, Antioxidant and Antibacterial Activity of Essential oil of Cymbopogon winterianus Jowitt (Citronella) from Western Nepal. 2022 , 11, | 0 |
| 2 10 | Assessment of Verbesina alternifolia and Mentha piperita oil extracts on Clinostomum phalacrocoracis metacercariae from Tilapia zillii. 2022 , 11, | |
| 209 | Mix of natural extracts to improve the oxidative state and liver activity in bulls finished feedlot. 2022 , 259, 104895 | |
| 208 | Antibacterial, antioxidative and sensory properties of Ziziphora clinopodioides R osmarinus officinalis essential oil nanoencapsulated using sodium alginate in raw lamb burger patties. 2022 , 47, 101698 | 1 |
| 207 | Engineering a curcumol-loaded porphyrinic metal-organic framework for enhanced cancer photodynamic therapy 2022 , 214, 112456 | 1 |
| 206 | Chemical composition of five Tunisian Pinus Specieslessential oils and effect of their blends on Otitis infection. 2022 , 180, 114688 | O |

| 205 | Droplet-based millifluidic technique for encapsulation of cinnamon essential oil: Optimization of the process and physicochemical characterization. 2022 , 129, 107609 | 1 |
|-----|---|----|
| 204 | Eugenol embedded zein and poly(lactic acid) film as active food packaging: Formation, characterization, and antimicrobial effects 2022 , 384, 132482 | 1 |
| 203 | Pharmacological Activity of Trachyspermum ammi L. Seeds Essential Oil Grown from Northeast India. 2021 , 24, 1373-1388 | 13 |
| 202 | Microbiological Safety and Organoleptic Quality of Homogenized Sausages Manufactured with Commercial Functional Additives. 2021 , 11, 11662 | O |
| 201 | Phytochemicals and Biological Activities of (Acanthaceae) 2021 , 11, | 1 |
| 200 | Enhancement Effect of Chitosan Coating on Inhibition of Deoxynivalenol Accumulation by Essential Oil Emulsion during Malting 2021 , 10, | O |
| 199 | Technological Advancement in Food Additives and Preservatives. 2021, 375-396 | |
| 198 | Cinnamon and Eucalyptus Oils Suppress the Inflammation Induced by Lipopolysaccharide In Vivo. 2021 , 26, | 1 |
| 197 | Evaluation of the antimicrobial and anti-Varroa destructor L. activity of the essential oil of clove (Syzygium aromaticum L. Myrtaceae). 2021 , 13, 404-408 | |
| 196 | Variation in chemical composition and biological properties of two Tunisian Eucalyptus essential oils under three eco-friendly extraction techniques. 2022 , 34, 36-53 | O |
| 195 | Mixture design methodology and predictive modeling for developing active formulations using essential oils and citrus extract against foodborne pathogens and spoilage microorganisms in rice 2021 , | 0 |
| 194 | Antimicrobial activity of Carum copticum and Satureja khuzestanica essential oils and acetic acid in vapor phase at different relative humidities and temperatures in peanuts. 2022 , 46, | 1 |
| 193 | Use of the genus Satureja as food supplement: possible modulation of the immune system via intestinal microbiota during SARS-CoV-2 infection?. 2021 , 20, | |
| 192 | Pink Pepper (Schinus terebinthifolius Raddi) from Extracts to application: Truths about a Fake Pepper. 1-30 | O |
| 191 | Characterization of Turpentine nanoemulsion and assessment of its antibiofilm potential against methicillin-resistant Staphylococcus aureus 2022 , 166, 105530 | 2 |
| 190 | Integrated metabolomics and transcriptomics reveal the adaptive responses of Salmonella enterica serovar Typhimurium to thyme and cinnamon oils. 2022 , 157, 111241 | 3 |
| 189 | Data_Sheet_1.FASTA. 2018 , | |
| 188 | Data_Sheet_2.FASTA. 2018 , | |

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187 Data_Sheet_3.FASTA. 2018, 186 Data_Sheet_4.ZIP. 2018, Data_Sheet_5.ZIP. 2018, 185 184 Data_Sheet_6.ZIP. 2018, Data_Sheet_7.ZIP. 2018, 183 Data_Sheet_8.ZIP. 2018, 182 181 Table_1.XLSX. 2018, 180 Table_2.XLSX. **2018**, Table_3.XLSX. 2018, 179 178 Table_1.docx. 2018, Data_Sheet_1.PDF. 2019, 177 176 Table_1.XLSX. **2019**, Table_2.docx. 2019, 175 Data_Sheet_1.xlsx. 2020, 174 Table_1.DOCX. 2018, 173 Application of Natamycin and Farnesol as Biocontrol Agents of Multi-Species Biofilms on Industrial 172 Surfaces in Apple Juice. Phytochemistry and Applications of Essential Oils.. 2022, 27, 171 2 Protective Impact of Chitosan Film Loaded Oregano and Thyme Essential Oil on the Microbial 170 Profile and Quality Attributes of Beef Meat. 2022, 11, 583

| 169 | GCIMS Based Metabolomics Strategy for Cost-Effective Valorization of Agricultural Waste: Groundnut Shell Extracts and Their Biological Inhibitory Potential. | C |) |
|--------------------------|--|--------|---|
| 168 | Biogenic Silver Nanoparticles Strategically Combined With Origanum vulgare Derivatives: Antibacterial Mechanism of Action and Effect on Multidrug-Resistant Strains. <i>Frontiers in Microbiology</i> , 2022 , 13, | 7 2 | 2 |
| 167 | Effect of potassium salts on the structure of Etyclodextrin MOF and the encapsulation properties with thymol 2022 , | C |) |
| 166 | Essential oils and its antibacterial, antifungal and anti-oxidant activity applications: A review. 2022 , 101716 | 5 5 | 5 |
| 165 | Application of innovative packaging technologies to manage fungi and mycotoxin contamination in agricultural products: Current status, challenges, and perspectives 2022 , 214, 18-29 | 3 | , |
| 164 | Sodium benzoate and sodium bisulfate as preservatives in apple juice and alternative sanitizers for washing cherry tomatoes 2022 , 372, 109697 | C |) |
| 163 | Preparation and Enhanced Antimicrobial Activity of Thymol Immobilized on Different Silica Nanoparticles with Application in Apple Juice. 2022 , 12, 671 | 1 | - |
| 162 | Efficacy and Mechanism of Thymol/KGM/LG Edible Coating Solution on Inhibition of Mucor circinelloides Isolated From Okra. <i>Frontiers in Microbiology</i> , 2022 , 13, | 7 C |) |
| 161 | Semisynthetic bioactive organoselenium and organotellurium compounds. 2022 , 253-289 | | |
| | | | |
| 160 | Origanum vulgare extract as a natural additive in fresh cheese. 2022 , 43, 1705-1720 | | |
| 160 159 | Origanum vulgare extract as a natural additive in fresh cheese. 2022 , 43, 1705-1720 Application of Clove Oil and Sonication Process on the Influence of the Functional Properties of Mung Bean Flour-Based Edible Film. 2022 , 12, 535 | 1 | |
| | Application of Clove Oil and Sonication Process on the Influence of the Functional Properties of | 1 | |
| 159 | Application of Clove Oil and Sonication Process on the Influence of the Functional Properties of Mung Bean Flour-Based Edible Film. 2022 , 12, 535 Phytochemicals Profiling, Antimicrobial Activity and Mechanism of Action of Essential Oil Extracted from Ginger (Zingiber officinale Roscoe cv. Bentong) against Burkholderia glumae Causative Agent | | |
| 159 158 | Application of Clove Oil and Sonication Process on the Influence of the Functional Properties of Mung Bean Flour-Based Edible Film. 2022, 12, 535 Phytochemicals Profiling, Antimicrobial Activity and Mechanism of Action of Essential Oil Extracted from Ginger (Zingiber officinale Roscoe cv. Bentong) against Burkholderia glumae Causative Agent of Bacterial Panicle Blight Disease of Rice. 2022, 11, 1466 Insights for the control of dried-fruit beetle Carpophilus hemipterus (Nitidulidae) using rosemary | 1 | |
| 159 158 157 | Application of Clove Oil and Sonication Process on the Influence of the Functional Properties of Mung Bean Flour-Based Edible Film. 2022, 12, 535 Phytochemicals Profiling, Antimicrobial Activity and Mechanism of Action of Essential Oil Extracted from Ginger (Zingiber officinale Roscoe cv. Bentong) against Burkholderia glumae Causative Agent of Bacterial Panicle Blight Disease of Rice. 2022, 11, 1466 Insights for the control of dried-fruit beetle Carpophilus hemipterus (Nitidulidae) using rosemary essential oil loaded in chitosan nanoparticles. 1-11 Exogenous Paclobutrazol Reinforces the Antioxidant and Antimicrobial Properties of Lavender (Lavandula officinalis L.) Oil through Modulating Its Composition of Oxygenated Terpenes. 2022, | 1 C | |
| 159 158 157 156 | Application of Clove Oil and Sonication Process on the Influence of the Functional Properties of Mung Bean Flour-Based Edible Film. 2022, 12, 535 Phytochemicals Profiling, Antimicrobial Activity and Mechanism of Action of Essential Oil Extracted from Ginger (Zingiber officinale Roscoe cv. Bentong) against Burkholderia glumae Causative Agent of Bacterial Panicle Blight Disease of Rice. 2022, 11, 1466 Insights for the control of dried-fruit beetle Carpophilus hemipterus (Nitidulidae) using rosemary essential oil loaded in chitosan nanoparticles. 1-11 Exogenous Paclobutrazol Reinforces the Antioxidant and Antimicrobial Properties of Lavender (Lavandula officinalis L.) Oil through Modulating Its Composition of Oxygenated Terpenes. 2022, 11, 1607 | 1 | |
| 159 158 157 156 | Application of Clove Oil and Sonication Process on the Influence of the Functional Properties of Mung Bean Flour-Based Edible Film. 2022, 12, 535 Phytochemicals Profiling, Antimicrobial Activity and Mechanism of Action of Essential Oil Extracted from Ginger (Zingiber officinale Roscoe cv. Bentong) against Burkholderia glumae Causative Agent of Bacterial Panicle Blight Disease of Rice. 2022, 11, 1466 Insights for the control of dried-fruit beetle Carpophilus hemipterus (Nitidulidae) using rosemary essential oil loaded in chitosan nanoparticles. 1-11 Exogenous Paclobutrazol Reinforces the Antioxidant and Antimicrobial Properties of Lavender (Lavandula officinalis L.) Oil through Modulating Its Composition of Oxygenated Terpenes. 2022, 11, 1607 Functional roles of Essential oils as effective alternative of synthetic food preservatives: A review. | 1 | |

| 151 | Nanoencapsulation of Thyme Essential Oils: Formulation, Characterization, Storage Stability, and Biological Activity. 2022 , 11, 1858 | 2 |
|-----|--|---|
| 150 | Improvement of the antioxidant activity of thyme essential oil against biosynthesized titanium dioxide nanoparticles-induced oxidative stress, DNA damage, and disturbances in gene expression in vivo. 2022 , 73, 127024 | 1 |
| 149 | Molecular Modeling Approaches to Investigate Essential Oils (Volatile Compounds) Interacting with Molecular Targets. 2022 , 417-442 | 2 |
| 148 | Essential Oils and Their General Aspects, Extractions and Aroma Recovery. 2022 , 3-20 | |
| 147 | Safety Assessment of Essential Oil as a Food Ingredient. 2022 , 123-171 | |
| 146 | <i>Litsea cubeba</i> Essential Oil: Component Analysis, Anti-<i>Candida albicans</i> Activity and Mechanism Based on Molecular Docking. 2022 , | О |
| 145 | In vitro and in silico evaluation of the schistosomicidal activity of eugenol derivatives using biochemical, molecular, and morphological tools. 28, | |
| 144 | Positive and Negative Impacts of the Use of Essential Oils in Food. 2022 , 191-217 | |
| 143 | In Vitro Antimicrobial Activity of the Alcoholic Extract of Quercus brantii subsp. persica. 2022 , 8, 22-26 | |
| 142 | Application of Natural Antimicrobial Agents in Different Food Packaging Systems and Their Role in Shelf-life Extension of Food: A Review. | 1 |
| 141 | Antioxidant and Antimicrobial Activity of Rosemary (Rosmarinus officinalis) and Garlic (Allium sativum) Essential Oils and Chipotle Pepper Oleoresin (Capsicum annum) on Beef Hamburgers. 2022 , 11, 2018 | 1 |
| 140 | Efficacy of 405 nm Light-Emitting Diode Illumination and Citral Used Alone and in Combination for Inactivation of Vibrio parahaemolyticus on Shrimp. 2022 , 11, 2008 | |
| 139 | Essential Oil-Based Active Polymer-Based Packaging System: A Review on its Effect on the Antimicrobial, Antioxidant, and Sensory Properties of Beef and Chicken Meat. | 2 |
| 138 | Fabrication and characterization of electrospun nanofibrous mats of polycaprolactone/gelatin containing ZnO nanoparticles and cumin essential oil and their anti-staphylococcal potency in white cheese. 2022 , 101904 | O |
| 137 | Antimicrobial properties of PLA membranes loaded with pink pepper (Schinus terebinthifolius Raddi) essential oil applied in simulated cream cheese packaging. | |
| 136 | Natural Products And Their Semi-synthetic Derivatives Against Antimicrobial-resistant Human Pathogenic Bacteria and Fungi. 2022 , 103376 | 3 |
| 135 | Plectranthus amboinicus (Lour.) Spreng. essential oil as a natural alternative for the conservation of beef patties stored under refrigeration. 2022 , 49, 101896 | 1 |
| 134 | Pimenta dioica: a review on its composition, phytochemistry, and applications in food technology. 2021 , 28, 893-904 | |

| 133 | Determination of Antioxidant Activity and Sun Protection Factor of Commercial Essential Oils. | |
|-----|---|---|
| 132 | Antipathogenic effects of plant essential oil nanoemulsions. 2022 , 245-257 | |
| 131 | Use of essential oil-loaded nanoemulsions in active food packaging. 2022 , 363-386 | |
| 130 | Chemical composition and antimicrobial activity of essential oils from Mentha pulegium and Rosmarinus officinalis against multidrug-resistant microbes and their acute toxicity study. 2022 , 20, 694-702 | 1 |
| 129 | Therapeutic Suitability of Functional Phyto-Oils Against Oral and MDR-Pathogens Through Nanotechnology. 2022 , 137-160 | |
| 128 | Can droplet size influence antibacterial activity in ultrasound-prepared essential oil nanoemulsions?. 1-11 | 1 |
| 127 | Interactions between Medical Plant-Derived Bioactive Compounds: Focus on Antimicrobial Combination Effects. 2022 , 11, 1014 | 1 |
| 126 | Chemical composition and healing potential of essential oil of Dennettia tripetala on methicillin-resistant Staphylococcus aureus: infected wound model. 2022 , 11, | |
| 125 | Antimicrobial Activity of Essential Oils Evaluated In Vitro against Escherichia coli and Staphylococcus aureus. 2022 , 11, 979 | 1 |
| 124 | An overview of the natural antimicrobial alternatives for sheep meat preservation. | |
| 123 | Evaluation of antibacterial activity of compounds isolated from the peel of Newhall navel orange. 1-5 | |
| 122 | In-Vitro Study on the Antibacterial and Antioxidant Activity of Four Commercial Essential Oils and In-Situ Evaluation of Their Effect on Quality Deterioration of Pacific White Shrimp (Litopenaeus vannamei) during Cold Storage. 2022 , 11, 2475 | |
| 121 | Synergistic antifungal effectiveness of essential oils from andean plants combined with commercial drugs. 2022 , 8, 023-031 | |
| 120 | In situ rapid conjugation of chitosan-gum Arabic coacervated complex with cinnamaldehyde in cinnamon essential oil to stabilize high internal phase Pickering emulsion. 2022 , 108103 | 1 |
| 119 | Effects of Rubus fruticosus and Juniperus oxycedrus derivatives on culturability and viability of Listeria monocytogenes. 2022 , 12, | 0 |
| 118 | Antibacterial Activity and Kinetic Release of Laureliopsis philippiana (Looser) Essential Oil from Nanostructured Porous Silicon with Surface-Functionalization Alternatives. 2022 , 12, 8258 | |
| 117 | Essential Oils as Multicomponent Mixtures and Their Potential for Human Health and Well-Being. 13, | 4 |
| 116 | Coacervation as a Novel Method of Microencapsulation of Essential Oils Review. 2022 , 27, 5142 | 1 |

| 115 | The medicinal and aromatic plants as ingredients in functional beverage production. 2022, 96, 105210 | 2 |
|-----|---|---|
| 114 | Anti-quorum sensing and cytotoxic activity of elemi essential oil. 2022 , 9, 258-267 | 1 |
| 113 | Evaluation of the combined effect of antibiotics and essential oils against Campylobacter multidrug resistant strains and their biofilm formation. 2022 , 150, 451-465 | 1 |
| 112 | Development of antifungal films from nanocomplexes based on egg white protein nanogels and phenolic compounds. | О |
| 111 | Antifungal Activities of Essential Oils in Vapor Phase against Botrytis cinerea and Their Potential to Control Postharvest Strawberry Gray Mold. 2022 , 11, 2945 | 1 |
| 110 | Effects of cinnamaldehyde against planktonic bacteria and biofilm formation of Shigella flexneri. 2022 , 171, 105741 | O |
| 109 | Lipids as antimicrobials. 2023, 209-230 | O |
| 108 | Application of natamycin and farnesol as bioprotection agents to inhibit biofilm formation of yeasts and foodborne bacterial pathogens in apple juice processing lines. 2023 , 109, 104123 | 1 |
| 107 | Melissa officinalis essential oil as an antimicrobial agent against Listeria monocytogenes in watermelon juice. 2023 , 109, 104105 | 0 |
| 106 | Citral and cinnamaldehyde IPickering emulsion stabilized by zein coupled with chitosan against Aspergillus. spp and their application in food storage. 2023 , 403, 134272 | 1 |
| 105 | Extraction, Chemical Composition and in vitro Antibacterial Activity of the Essential Oil of Lippia origanoides Kunth from Northeast Brazil. 65, | О |
| 104 | Green/food grade nanoemulsions: An arsenal for controlling food spoilage causatives/pathogens. 2022 , 261-278 | O |
| 103 | Review of trends in essential oils as alternatives to antibiotics in bovine mastitis treatment. 2022 , 47-60 | O |
| 102 | Antimicrobial effect of essential oils in content of edible films (review). 2022 , 124-134 | O |
| 101 | Design and development of orally disintegrating films: A platform based on hydroxypropyl methylcellulose and guar gum. 2023 , 299, 120155 | 0 |
| 100 | Rapid Classification and Recognition Method of the Species and Chemotypes of Essential Oils by ATR-FTIR Spectroscopy Coupled with Chemometrics. 2022 , 27, 5618 | 1 |
| 99 | In vitro antimicrobial effect of essential tea tree oil(Melaleuca alternifolia), thymol, and carvacrol on microorganisms isolated from cases of bovine clinical mastitis. 2022 , 10, 72-79 | 2 |
| 98 | Review - Combinatory approaches targeting cognitive impairments and memory enhancement. 2022 , 23, | O |

| 97 | Polyphenols and Small Phenolic Acids as Cellular Metabolic Regulators. 2022 , 44, 4152-4166 | 3 |
|----|--|----|
| 96 | Assessment of Antimicrobial Efficiency of Pistacia lentiscus and Fortunella margarita Essential Oils against Spoilage and Pathogenic Microbes in Ice Cream and Fruit Juices. 2022 , 13, 667-680 | 2 |
| 95 | Activity of antibacterial phytochemicals and their potential use as natural food preservatives. 1-12 | O |
| 94 | Encapsulation of volatile oils with antimicrobial activity in chitosan-CD molecular inclusion complexes by spray drying. 1-13 | O |
| 93 | Processing interventions for enhanced microbiological safety of beef carcasses and beef products: A review. 1-25 | 0 |
| 92 | Efficacy of chitosan-pectin beads encapsulated with combined garlic and holy basil essential oils on shelf life extension of ready to eat food. | O |
| 91 | Potential Antimicrobial Activities of Terpenoids. 2022, 279-297 | 0 |
| 90 | Effect of Thymus vulgaris L. essential oil and thymol on the microbiological properties of meat and meat products: A review. 2022 , 8, e10812 | 3 |
| 89 | Investigation of the High-order Effect of Rosmarinus officinalis, Salvia officinalis, and Thymus satureioides Essential Oils with Antibiotics on the Membrane Integrity of Salmonella typhi. 2022 , 25, 939-952 | О |
| 88 | Storage life extension of raspberry using chitosan composite coating functionalized with Bidens pilosa extract. 2022 , 509-516 | O |
| 87 | Alternatives to Pyrethroid Resistance: Combinations of Cymbopogon nardus and Ocimum americanum Essential Oils Improve the Bioefficiency Control Against the Adults Populations of Aedes aegypti (Diptera: Culicidae). | О |
| 86 | Combined effect of thyme and clove phenolic compounds on Xanthomonas campestris pv. campestris and biocontrol of black rot disease on cabbage seeds. 13, | 0 |
| 85 | Chemical composition, Antibacterial and Antioxidant Activities of the Essential Oil of Lavandula Pedunculata from Khenifra Morocco. 2022 , 1090, 012022 | O |
| 84 | THE ANTIMICROBIAL AND ANTIBIOFILM POTENTIAL OF SWEET BASIL ESSENTIAL OIL ON Streptococcus mutans AND Staphylococcus aureus. 2022 , 51, 213-220 | O |
| 83 | In Vitro Antibacterial Activity and in Silico Analysis of the Bioactivity of Major Compounds Obtained from the Essential Oil of Virola surinamensis Warb (Myristicaceae). 2022 , 2022, 1-11 | 0 |
| 82 | Recent trends in the application of essential oils: The next generation of food preservation and food packaging. 2022 , 129, 421-439 | 11 |
| 81 | Effects of immersing treatment of curcumin and piperine combined with vacuum packaging on the quality of salmon (Salmo salar) during cold chain logistics. 9, | 0 |
| 80 | Antibiotic properties of Satureja montana L. hydrolate in bacteria and fungus of clinical interest and its impact in non-target environmental microorganisms. 2022 , 12, | O |

| 79 | First Evidence of a Combination of Terpinen-4-ol and ∃-Terpineol as a Promising Tool against ESKAPE Pathogens. 2022 , 27, 7472 | 0 |
|----|--|---|
| 78 | Bioactive chitosan and essential oils in sustainable active food packaging: Recent trends, mechanisms, and applications. 2022 , 34, 100962 | 1 |
| 77 | Enhanced preservation effects of clove (Syzygium aromaticum) essential oil on the processing of Chinese bacon (preserved meat products) by beta cyclodextrin metal organic frameworks (ECD-MOFs). 2023 , 195, 108998 | 1 |
| 76 | Whole transcriptome sequencing analysis of synergistic combinations of plant-based antimicrobials and zinc oxide nanoparticles against Campylobacter jejuni. 2023 , 266, 127246 | О |
| 75 | Antibacterial activity of essential oils from different parts of plants against Salmonella and Listeria spp 2023 , 404, 134723 | 1 |
| 74 | Citrus essential oil: would it be feasible as antimicrobial in the bioethanol industry?. | 1 |
| 73 | The role of essential oils in maintaining the postharvest quality and preservation of peach and other fruits. | 1 |
| 72 | Nano-technology platforms to increase the antibacterial drug suitability of essential oils: A drug prospective assessment. 2023 , 9, 100115 | О |
| 71 | Potential antifungal activity of essential oil from Cymbopogon citratus (DC) Stapf and its performances as biostabilization of tiger nut milk (Cyperus exculentus). 2023 , 19, e01497 | 0 |
| 70 | In vitro activity of soybean extract on cocoa disease pathogens (Erythricium salmonicolor and Marasmiellus scandens) and termite pest (Microtermes subhyalinus). 2022 , 8, | O |
| 69 | Development of Antifungal Films from Nanocomplexes Based on Egg White Protein Nanogels and Phenolic Compounds. | O |
| 68 | Susceptibility of Fall Armyworm Spodoptera frugiperda (Lepidoptera: Noctuidae) to Natural Products and Entomopathogenic Fungi. | O |
| 67 | Long-Term Refrigerated Storage of Beef Using an Active Edible Film Reinforced with Mesoporous Silica Nanoparticles Containing Oregano Essential Oil (Lippia graveolens Kunth). 2023 , 24, 92 | 0 |
| 66 | Essential oils and their active components applied as: free, encapsulated and in hurdle technology to fight microbial contaminations. A review. 2022 , 8, e12472 | 1 |
| 65 | Nano-vesicular carriers for bioactive compounds and their applications in food formulations. 1-20 | 1 |
| 64 | Antibacterial and Antibiofilm Activity of Carvacrol against Oral Pathogenic Bacteria. 2022 , 12, 1255 | o |
| 63 | Comparative Analysis of the Chemical Composition and Antimicrobial Activity of Four Moroccan North Middle Atlas Medicinal PlantsŒssential Oils: Rosmarinus officinalis L., Mentha pulegium L., Salvia officinalis L., and Thymus zygis subsp. gracilis (Boiss.) R. Morales. 2022 , 4, 1775-1788 | 0 |
| 62 | Antimicrobial Activity of Some Essential Oils Against Pseudomonas aeruginosa. 2023 , 27-34 | О |

| 61 | Metabolomics insights into the potential of encapsulated essential oils as multifunctional food additives. 1-18 | 0 |
|----|---|---|
| 60 | Microbial diversity of meat products under spoilage and its controlling approaches. 9, | 1 |
| 59 | Physical Properties, Antioxidant Activity, and In Vitro Digestibility of Essential Oil Nanoemulsions of Betel and Pandan Leaves. | 0 |
| 58 | Interactions between Natural Products Review. 2022 , 12, 1256 | 1 |
| 57 | Essential oils of some medicinal plants and their biological activities: a mini review. | 0 |
| 56 | Recent advances to combat ESKAPE pathogens with special reference to essential oils. 13, | O |
| 55 | The Antimicrobial and Toxicity Influence of Six Carrier Oils on Essential Oil Compounds. 2023, 28, 30 | 0 |
| 54 | A Review of Regulatory Standards and Advances in Essential Oils as Antimicrobials in Foods. 2022 , 100025 | 2 |
| 53 | Synthesis and Characterization of Calcium Alginate-Based Microspheres Entrapped with TiO2 Nanoparticles and Cinnamon Essential Oil Targeting Clinical Staphylococcus aureus. 2022 , 14, 2764 | О |
| 52 | Essential Oil from Coriandrum sativum: A review on Its Phytochemistry and Biological Activity. 2023 , 28, 696 | O |
| 51 | Anthracnose Controlled by Essential Oils: Are Nanoemulsion-Based Films and Coatings a Viable and Efficient Technology for Tropical Fruit Preservation?. 2023 , 12, 279 | 1 |
| 50 | Determination of the Antifungal, Antibacterial Activity and Volatile Compound Composition of Citrus bergamia Peel Essential Oil. 2023 , 12, 203 | O |
| 49 | Biomass, Essential Oil Yield, and Composition of Marjoram as Influenced by Interactions of Different Agronomic Practices under Controlled Conditions. 2023 , 12, 173 | О |
| 48 | Investigation of antifungal activity mechanisms of alpha-pinene, eugenol, and limonene. | O |
| 47 | Dental Hydrogels with Essential Oils with Potential Activity in Periodontitis. 2023, 13, 1787 | 0 |
| 46 | Salinity Stress Influences the Main Biochemical Parameters of Nepeta racemosa Lam 2023 , 12, 583 | 2 |
| 45 | Synergistic Effects of Benzyl Isothiocyanate and Resveratrol Against Listeria Monocytogenes and Their Application in Chicken Meat Preservation. | О |
| 44 | Nanotechnology as sustainable strategy for remediation of soil contaminants, air pollutants, and mitigation of food biodeterioration. 2023 , 3-16 | O |

| 43 | Antimicrobial Resistance and Recent Alternatives to Antibiotics for the Control of Bacterial Pathogens with an Emphasis on Foodborne Pathogens. 2023 , 12, 274 | 2 |
|----|---|---|
| 42 | Combination of response surface methodology and UPLC-QTOF-MSE for phenolic compounds analysis from Cinnamomum cassia bark as a novel antifungal agent. | O |
| 41 | Activity of Essential Oils and Plant Extracts as Biofungicides for Suppression of Soil-Borne Fungi Associated with Root Rot and Wilt of Marigold (Calendula officinalis L.). 2023 , 9, 222 | 1 |
| 40 | Antimicrobial and physiochemical properties of films and coatings prepared from bio-fiber gum and whey protein isolate conjugates. 2023 , 148, 109666 | Ο |
| 39 | Phytocompounds Analysis and Antimicrobial Potential of Callistemon Viminalis Essential Oil from North-East India. 2023 , 209-226 | 0 |
| 38 | Phytochemical profiling and biocidal activity of four Iranian Mentha (Lamiaceae) species. 2023 , 155, 110-117 | Ο |
| 37 | Flavoring and Coating Technologies for Processing Methods, Packaging Materials, and Preservation of Food. | 0 |
| 36 | Evaluation of bioactive low-density polyethylene (LDPE) nanocomposite films in combined treatment with irradiation on strawberry shelf-life extension. | O |
| 35 | Essential Oils in Postharvest Treatment against Microbial Spoilage of the Rosaceae Family Fruits. 2023 , 3, 196-216 | 0 |
| 34 | Extending shelf life of chilled pork meat by cinnamaldehyde nano emulsion at non-contact mode. 2023 , 37, 101067 | O |
| 33 | Antimicrobial effects of essential oil vapors on Bacillus cereus on nutrient agar and iceberg lettuce. 2023 , 53, 102580 | 0 |
| 32 | Essential oils, herbal extracts and propolis for alleviating Helicobacter pylori infections: A critical view. 2023 , 157, 138-150 | O |
| 31 | Synergistic effects of benzyl isothiocyanate and resveratrol against Listeria monocytogenes and their application in chicken meat preservation. 2023 , 419, 135984 | 0 |
| 30 | Comparative effects of savory (Satureja hortensis), dill (Anethum graveolens), and mooseer (Allium hirtifolium) essential oils on growth, digestive, and immunoantioxidant parameters and resistance to Aeromonas hydrophila in juvenile common carp (Cyprinus carpio). 2023 , 572, 739541 | Ο |
| 29 | References. 2022 , 121-146 | 0 |
| 28 | Virucidal Activity of Lemon Essential Oil against Feline Calicivirus Used as Surrogate for Norovirus. 2023 , 12, 322 | O |
| 27 | Bioactive compounds derived from Brazilian Myrtaceae species: Chemical composition and antioxidant, antimicrobial and cytotoxic activities. 2023 , 48, 102629 | 0 |
| 26 | Essential Oils from Apiaceae, Asteraceae, Cupressaceae and Lamiaceae Families Grown in Serbia: Comparative Chemical Profiling with In Vitro Antioxidant Activity. 2023 , 12, 745 | O |

| 25 | Essential Oils and Bacteriocin-Based Active Edible Coating: An Innovative, Natural and Sustainable Approach for the Control of Listeria monocytogenes in Seafoods. 2023 , 13, 2562 | О |
|----|---|---|
| 24 | Nutmeg essential oil. 2023 , 391-399 | O |
| 23 | Safety of Food and Beverages: Spices, Seasonings and Condiments. 2023, | 0 |
| 22 | Volatile metabolites from new cultivars of catnip and oregano as potential antibacterial and insect repellent agents. 14, | O |
| 21 | Fabrication and characterization of cellulose acetate film containing falcaria vulgaris extract. | O |
| 20 | Intrinsic properties and extrinsic factors of food matrix system affecting the effectiveness of essential oils in foods: a comprehensive review. 1-34 | O |
| 19 | Essential Oils: Recent Advances on Their Dual Role as Food Preservatives and Nutraceuticals against the Metabolic Syndrome. 2023 , 12, 1079 | 0 |
| 18 | Antioxidant, Antimicrobial, and Anti-Insect Properties of Boswellia carterii Essential Oil for Food Preservation Improvement. 2023 , 9, 333 | o |
| 17 | Effectiveness of essential oils against dual-species biofilm of Listeria monocytogenes and Pseudomonas fluorescens in a Ricotta-based model system. 2023 , 12, | O |
| 16 | Molecular and phytomedicinal stability of long term micropropagated Malaxis acuminata: An endangered terrestrial orchid of biopharmaceutical importance. 2023 , 155, 372-382 | O |
| 15 | Essential Oils and Chitosan Applications to Protect Apples against Postharvest Diseases and to Extend Shelf Life. 2023 , 13, 822 | О |
| 14 | A phytobiotic extract, in an aqueous or in a cyclodextrin encapsulated form, added in diet affects meat oxidation, cellular responses and intestinal morphometry and microbiota of broilers. 4, | О |
| 13 | Propolis applications in food industries and packaging. | 0 |
| 12 | Chemical Composition and Biological Activities of Essential Oils from Origanum vulgare Genotypes Belonging to the Carvacrol and Thymol Chemotypes. 2023 , 12, 1344 | O |
| 11 | Shelf life extension of Oncorhynchus aguabonita fillets based on Trachyspermum copticum essential oil nanoemulsion coating during storage at 4 °C. | 0 |
| 10 | Assessment of the Antioxidant and Antimicrobial Potential of Ptychotis verticillata Duby Essential Oil from Eastern Morocco: An In Vitro and In Silico Analysis. 2023 , 12, 655 | O |
| 9 | Rapid Detection of Potential Natural Food Preservatives and Identification of Artemisia Species via High-Sensitivity Photoionization Mass Spectrometry. | О |
| 8 | Experimental Evolution Reveals a Novel Ene Reductase That Detoxifies θ , funsaturated Aldehydes in Listeria monocytogenes. | 0 |

CITATION REPORT

| 7 | The antimicrobial efficacy of native Australian essential oils in liquid and vapour phase against foodborne pathogens and spoilage microorganisms. 2023 , 151, 109774 | O |
|---|--|---|
| 6 | Antibiotic-Potentiating Activity of the Schinus terebinthifolius Raddi Essential Oil against MDR Bacterial Strains. 2023 , 12, 1587 | O |
| 5 | Chemical Composition, Antibacterial and Combinatorial Effects of the Essential Oils from Cymbopogon spp. and Mentha arvensis with Conventional Antibiotics. 2023 , 13, 1091 | O |
| 4 | In vitro anti-yeast activity, kinetics and mechanism of action of essential oils from two cameroonian medicinal plants. 2023 , 23, | O |
| 3 | Effect of Food Matrix and Treatment Time on the Effectiveness of Grape Seed Extract as an Antilisterial Treatment in Fresh Produce. 2023 , 11, 1029 | O |
| 2 | Multi-criteria decision analysis to select the most appropriate risk mitigation strategy to reduce aflatoxin intake in Mekong Delta, Vietnam. 2023 , 109792 | O |
| 1 | Anti-biofilm activity of essential oils in fruit and vegetable: A systematic review. 2023 , 152, 109875 | O |