

# Vinayak S Ghate

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7342240/publications.pdf>

Version: 2024-02-01

17  
papers

814  
citations

759233

12  
h-index

888059

17  
g-index

18  
all docs

18  
docs citations

18  
times ranked

517  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Developing an LED preservation technology to minimize strawberry quality deterioration during distribution. <i>Food Chemistry</i> , 2022, 366, 130566.   | 8.2  | 12        |
| 2  | Antifungal action of 405 nm light emitting diodes on tomatoes in a meso-scale system and their effect on the physicochemical properties. <i>Postharvest Biology and Technology</i> , 2021, 172, 111366.  | 6.0  | 11        |
| 3  | Influence of temperature and relative humidity on the antifungal effect of 405Ånm LEDs against <i>Botrytis cinerea</i> and <i>Rhizopus stolonifer</i> and their inactivation on strawberries and tomatoes. <i>International Journal of Food Microbiology</i> , 2021, 359, 109427.              | 4.7  | 9         |
| 4  | Perspectives and Trends in the Application of Photodynamic Inactivation for Microbiological Food Safety. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2019, 18, 402-424.   | 11.7 | 102       |
| 5  | Inactivation of <i>Listeria monocytogenes</i> on paperboard, a food packaging material, using 410Ånm light emitting diodes. <i>Food Control</i> , 2019, 96, 281-290.   | 5.5  | 12        |
| 6  | Antibacterial effect of 460Ånm light-emitting diode in combination with riboflavin against <i>Listeria monocytogenes</i> on smoked salmon. <i>Food Control</i> , 2018, 84, 354-361.  | 5.5  | 63        |
| 7  | Effect of 460Ånm light emitting diode illumination on survival of <i>Salmonella</i> spp. on fresh-cut pineapples at different irradiances and temperatures. <i>Journal of Food Engineering</i> , 2017, 196, 130-138.   | 5.2  | 63        |
| 8  | Inactivation and changes in metabolic profile of selected foodborne bacteria by 460Ånm LED illumination. <i>Food Microbiology</i> , 2017, 63, 12-21.   | 4.2  | 39        |
| 9  | Antibacterial efficacy of 405, 460 and 520Ånm light emitting diodes on <i>Lactobacillus plantarum</i> , <i>Staphylococcus aureus</i> and <i>Vibrio parahaemolyticus</i> . <i>Journal of Applied Microbiology</i> , 2016, 120, 49-56.   | 3.1  | 60        |
| 10 | Irradiance and Temperature Influence the Bactericidal Effect of 460-Nanometer Light-Emitting Diodes on <i>Salmonella</i> in Orange Juice. <i>Journal of Food Protection</i> , 2016, 79, 553-560.   | 1.7  | 49        |
| 11 | Effect of organic acids on the photodynamic inactivation of selected foodborne pathogens using 461Ånm LEDs. <i>Food Control</i> , 2015, 57, 333-340.   | 5.5  | 35        |
| 12 | Enhancing the antibacterial effect of 461 and 521Ånm light emitting diodes on selected foodborne pathogens in trypticase soy broth by acidic and alkaline pH conditions. <i>Food Microbiology</i> , 2015, 48, 49-57.   | 4.2  | 58        |
| 13 | Kinetics of bacterial inactivation by 405nm and 520nm light emitting diodes and the role of endogenous coproporphyrin on bacterial susceptibility. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 149, 37-44.  | 3.8  | 87        |
| 14 | ENSURING FOOD SECURITY THROUGH ENHANCING MICROBIOLOGICAL FOOD SAFETY. <i>Cosmos</i> , 2015, 11, 69-97.   | 0.4  | 6         |
| 15 | Antibacterial effect and mechanism of high-intensity 405Å±5nm light emitting diode on <i>Bacillus cereus</i> , <i>Listeria monocytogenes</i> , and <i>Staphylococcus aureus</i> under refrigerated condition. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 153, 33-39. | 3.8  | 59        |
| 16 | Antibacterial effect of light emitting diodes of visible wavelengths on selected foodborne pathogens at different illumination temperatures. <i>International Journal of Food Microbiology</i> , 2013, 166, 399-406.   | 4.7  | 135       |
| 17 | Prevalence of <i>Salmonella</i> and <i>Vibrio</i> spp. in Seafood Products Sold in Singapore. <i>Journal of Food Protection</i> , 2012, 75, 1320-1323.   | 1.7  | 14        |