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Efficacy of UV-TiO<sub>2</sub> photocatalysis technology for inactivation of *Escherichia coli* K12 on the surface of blueberries and a model agar matrix and the influence of surface characteristics

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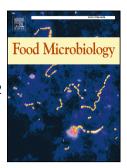
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## ACCEPTED MANUSCRIPT

**R**1 1 Efficacy of UV-TiO<sub>2</sub> photocatalysis technology for inactivation of 2 Escherichia coli K12 on the surface of blueberries and a model 3 agar matrix and the influence of surface characteristics 4 5 Mijin Lee a, Hafiz Muhammad Shahbaz b, Jeong Un Kim a, Hyunah Lee a, Dong-Un Lee c, Jiyong Park <sup>a,\*</sup> 6 <sup>a</sup> Department of Biotechnology, Yonsei University, Seoul 03722, South Korea 7 <sup>b</sup> Department of Food Science and Human Nutrition, University of Veterinary and Animal 8 Sciences, Lahore 54000, Pakistan 9 <sup>c</sup> Department of Food Science and Technology, Chung-Ang University, Anseong 17546, South 10 11 Korea 12 \* Corresponding author: 13 E-mail address: foodpro@yonsei.ac.kr (J. Park) 14

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