Accepted Manuscript

Title: Performance and Mechanism of Biosorption of Nickel(II) from Aqueous Solution by Non-living *Streptomyces roseorubens* SY

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PII: \$0927-7757(18)30217-6

DOI: https://doi.org/10.1016/j.colsurfa.2018.03.040

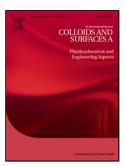
Reference: COLSUA 22365

To appear in: Colloids and Surfaces A: Physicochem. Eng. Aspects

Received date: 21-2-2018 Revised date: 15-3-2018 Accepted date: 16-3-2018

Please cite this article as: Long J, Gao X, Su M, Li H, Chen D, Zhou S, Performance and Mechanism of Biosorption of Nickel(II) from Aqueous Solution by Non-living *Streptomyces roseorubens* SY, *Colloids and Surfaces A: Physicochemical and Engineering Aspects* (2010), https://doi.org/10.1016/j.colsurfa.2018.03.040

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Performance and Mechanism of Biosorption of Nickel(II) from Aqueous Solution

by Non-living Streptomyces roseorubens SY

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Highlights

1. Non-living strain Streptomyces roseorubens SY was first developed as a biosorbent for nickel(II)

biosorption.

2. The bio-removal kinetics of nickel(II) by Streptomyces roseorubens SY were well described by

Langmuir model..

3. The biosorption mechanism was mainly ascribed to the contributions from a number of functional

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