SUPPLEMENTARY MATERIAL

Ecofriendly Synthesis of Silver Nanoparticles from Garden Rhubarb (*Rheum rhabarbarum*)

Palem Ramasubba Reddy, Shimoga D. Ganesh, Nabanita Saha*

Oyunchimeg Zandraa and Petr Sáha

Centre of Polymer Systems, University Institute, Tomas Bata University in Zlin,

Tř. T. Bati 5678, Zlin 760 01, Czech Republic

* Corresponding author. E-mail: nabanita@cps.utb.cz, Tel. +420 57 603 8156

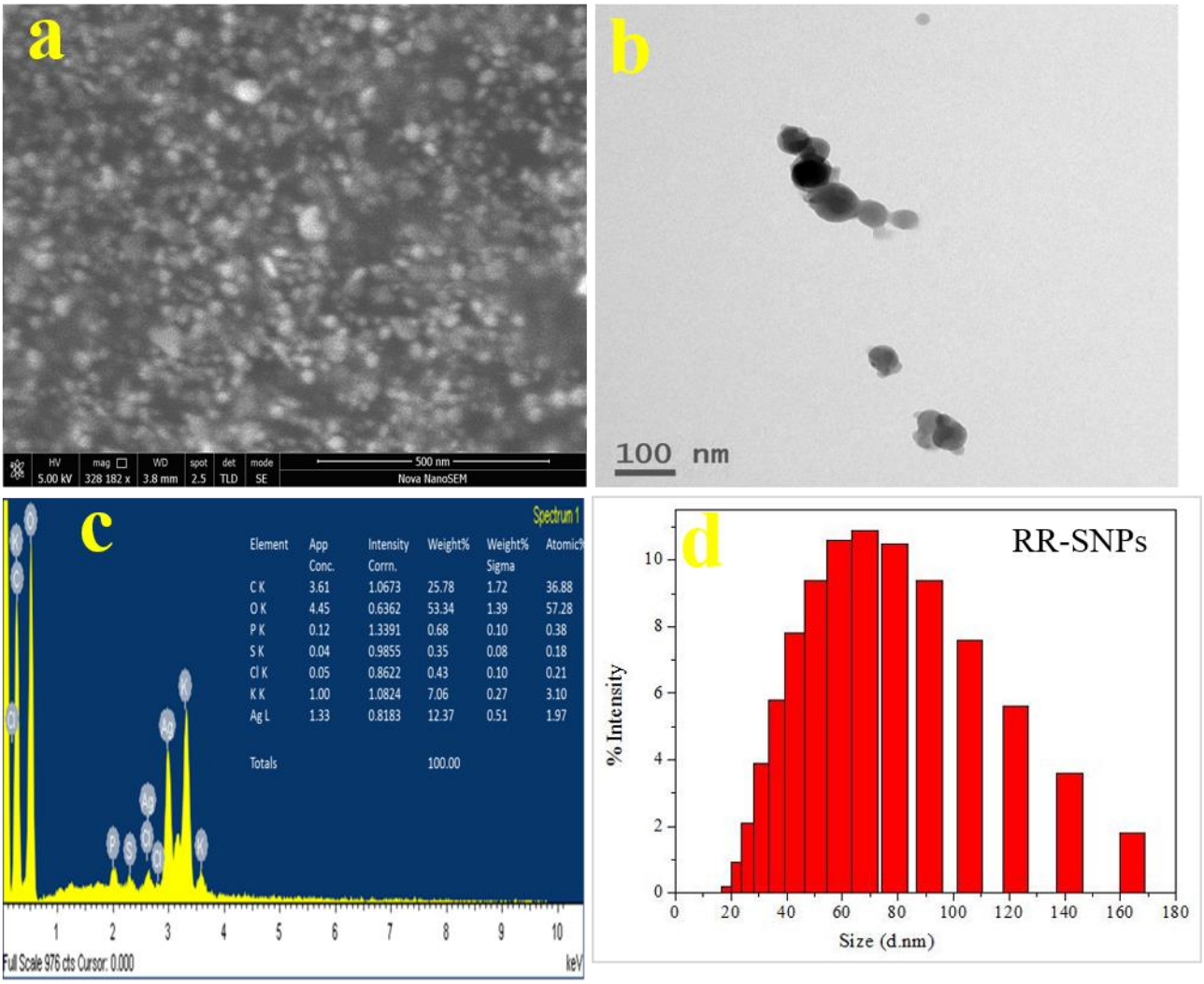

Figure S1. Spectroanalytical characterization of biogenic RR–SNPs: (a) SEM micrograph (b) TEM image (c) EDX Spectrum (d) Histogram of particle size distribution.

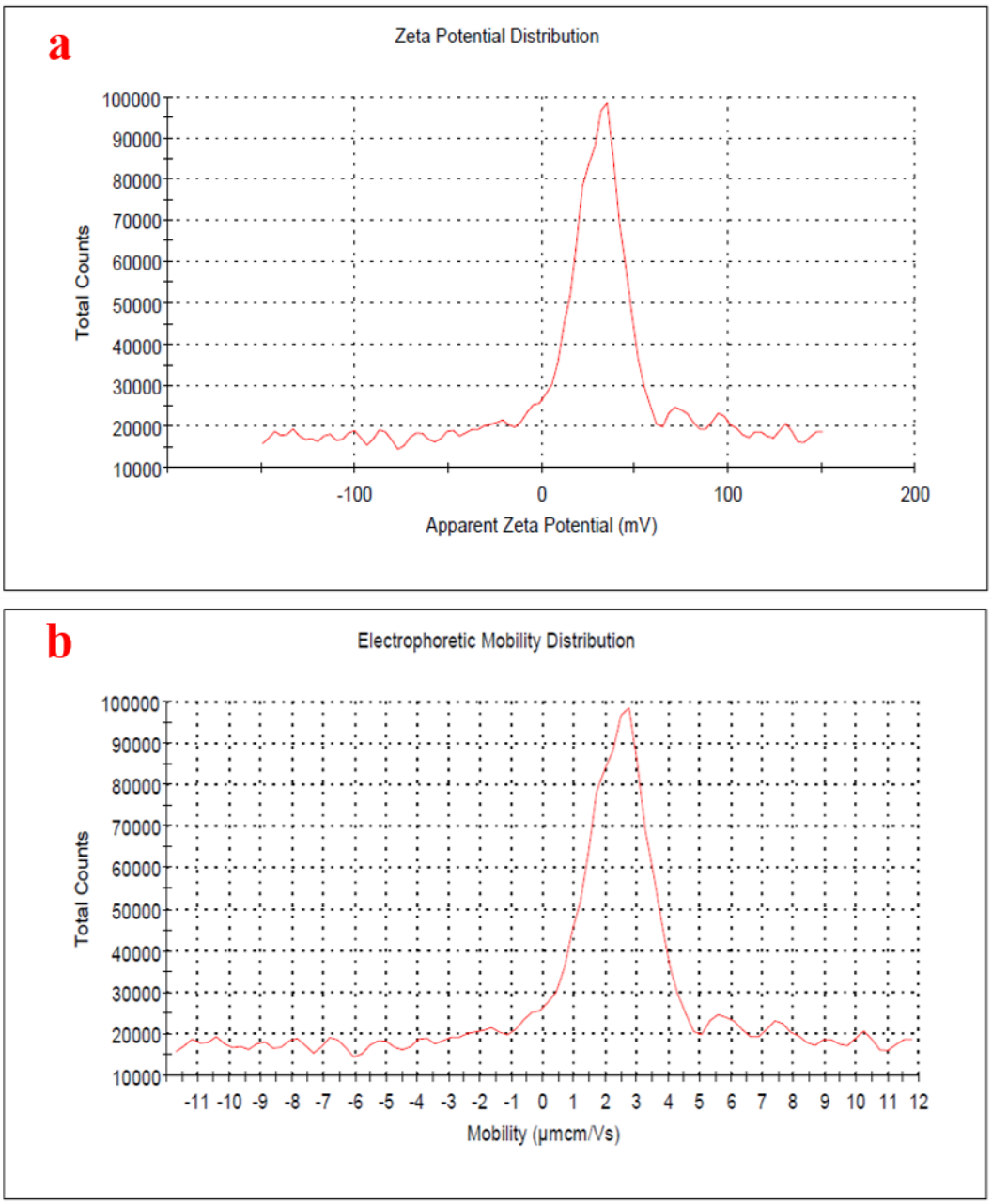

Figure S2. (a) Zeta potential, (b) Electrophoretic mobility distribution of of RR–SNPs on 120^{th} day after biosynthesis

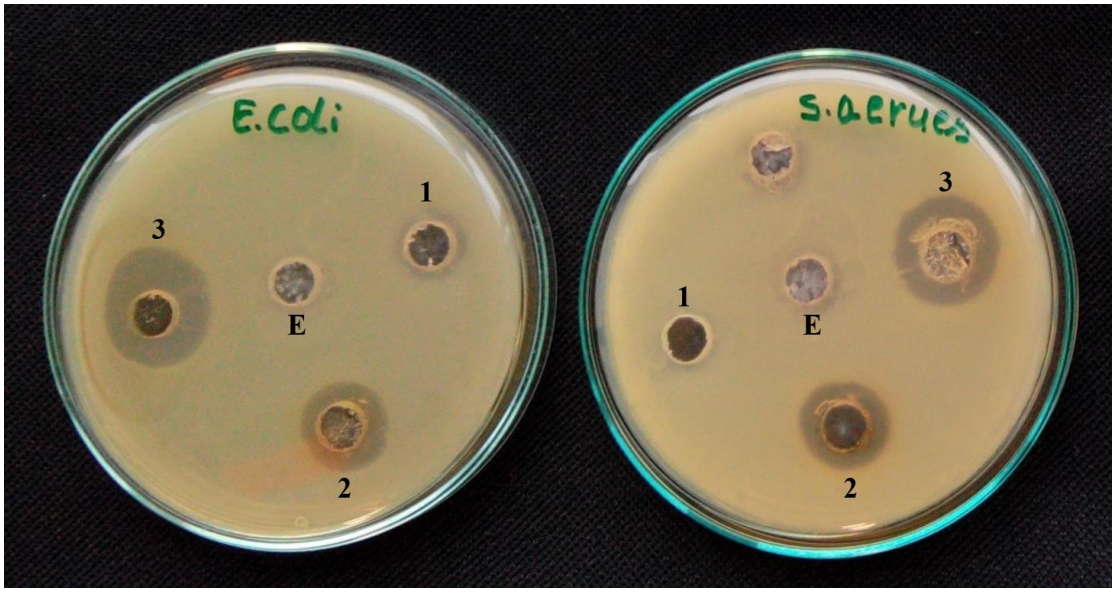

Figure S3. Antibacterial activity of RR–SNPs against gram positive (*S. aureus*) and gram negative (*E. coli*) bacteria. [Where, E = RR, 1 = (RR 4ml + 5µL $AgNO_3$), 2 = (RR 4ml + 10µL $AgNO_3$), and 3 = (RR 4ml + 15µL $AgNO_3$)]