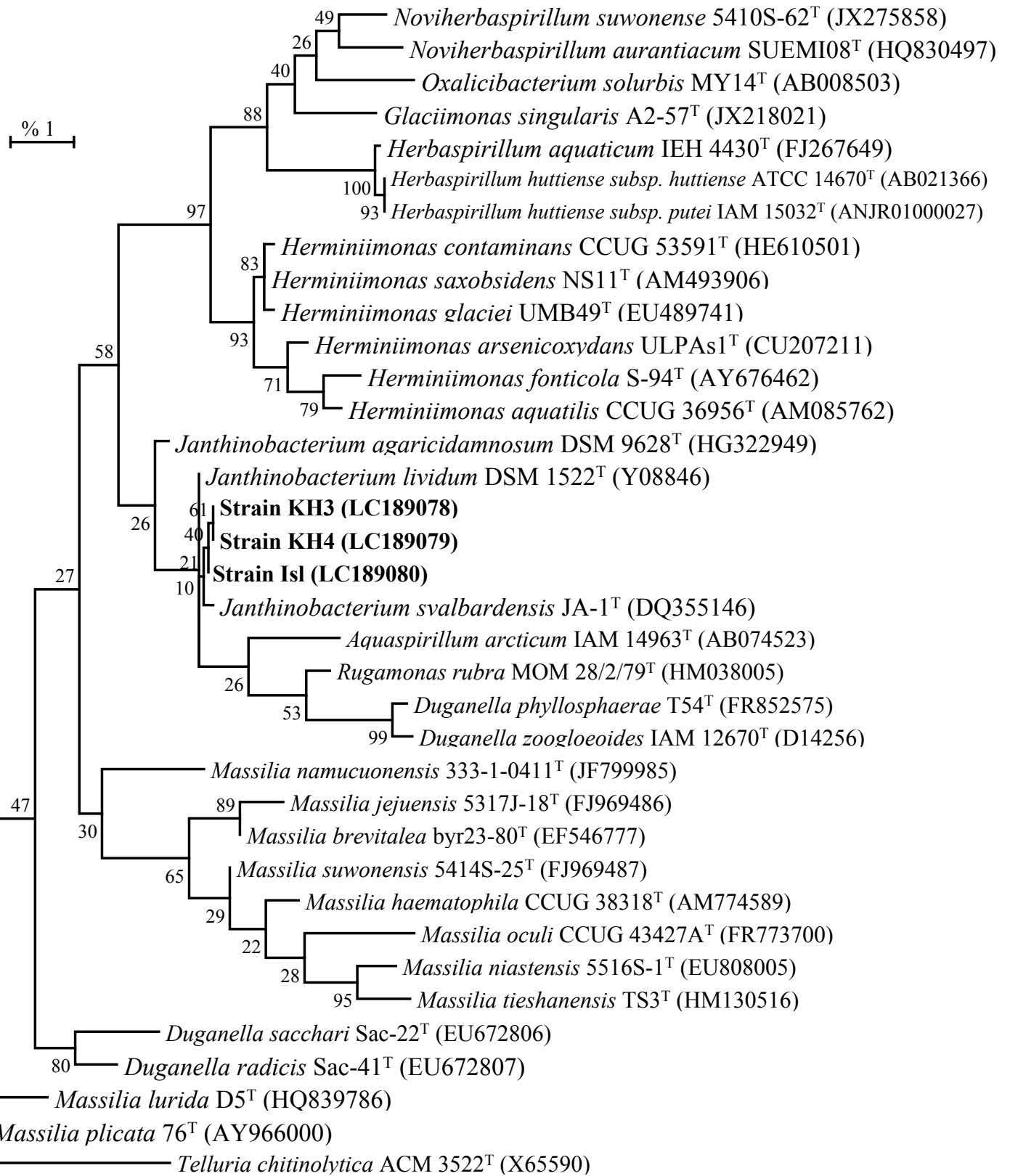
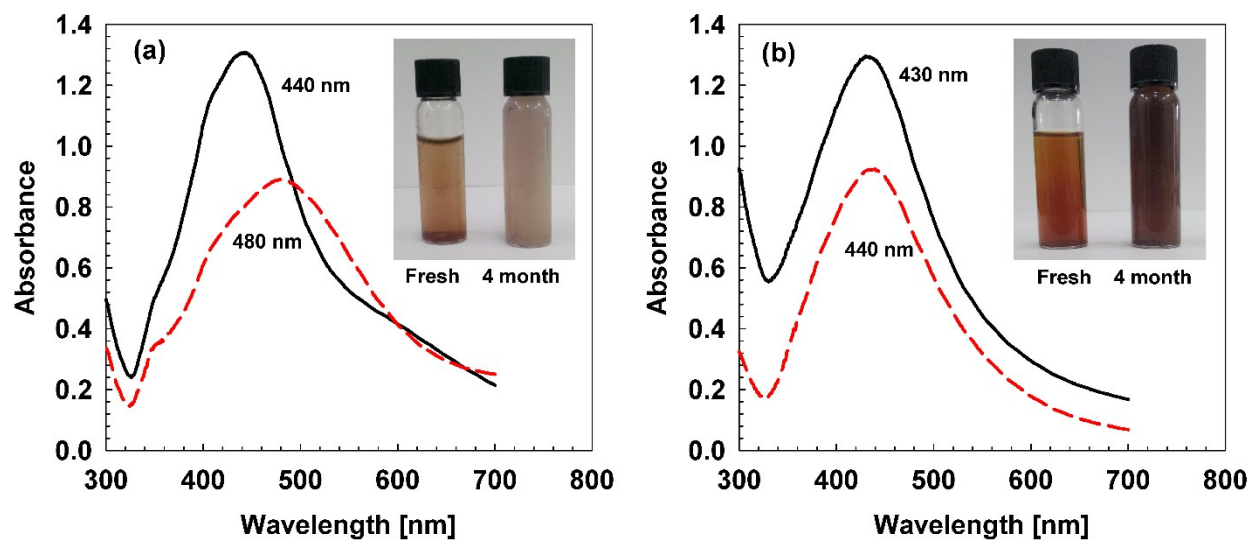


**Figure S1:** Maximum parsimony phylogenetic tree constructed based on 16S rRNA gene sequence of isolated strains with the closely related validly published species. The tree was rooted by using *Telluria chitinolytica* ACM 3522<sup>T</sup> (X65590) as an out-group. Bootstrap values (only > 60 % are shown) are given at the branching points. Bar indicates 1.0 % sequence divergence.

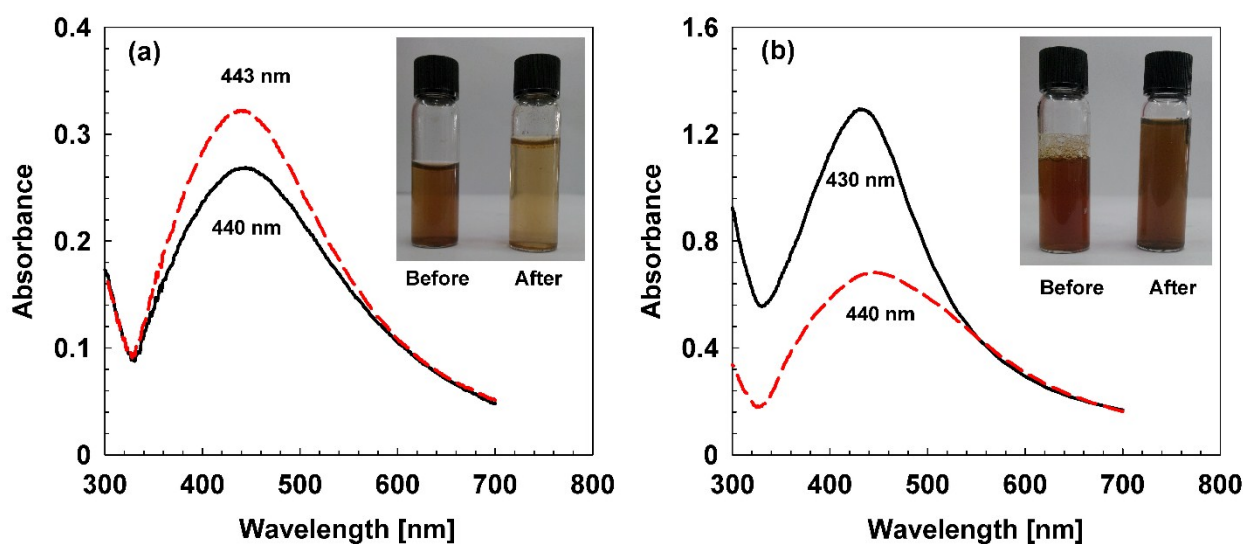


**Figure S2:** Maximum likelihood phylogenetic tree constructed based on 16S rRNA gene sequence of isolated strains with the closely related validly published species. The tree was rooted by using *Telluria chitinolytica* ACM 3522<sup>T</sup> (X65590) as

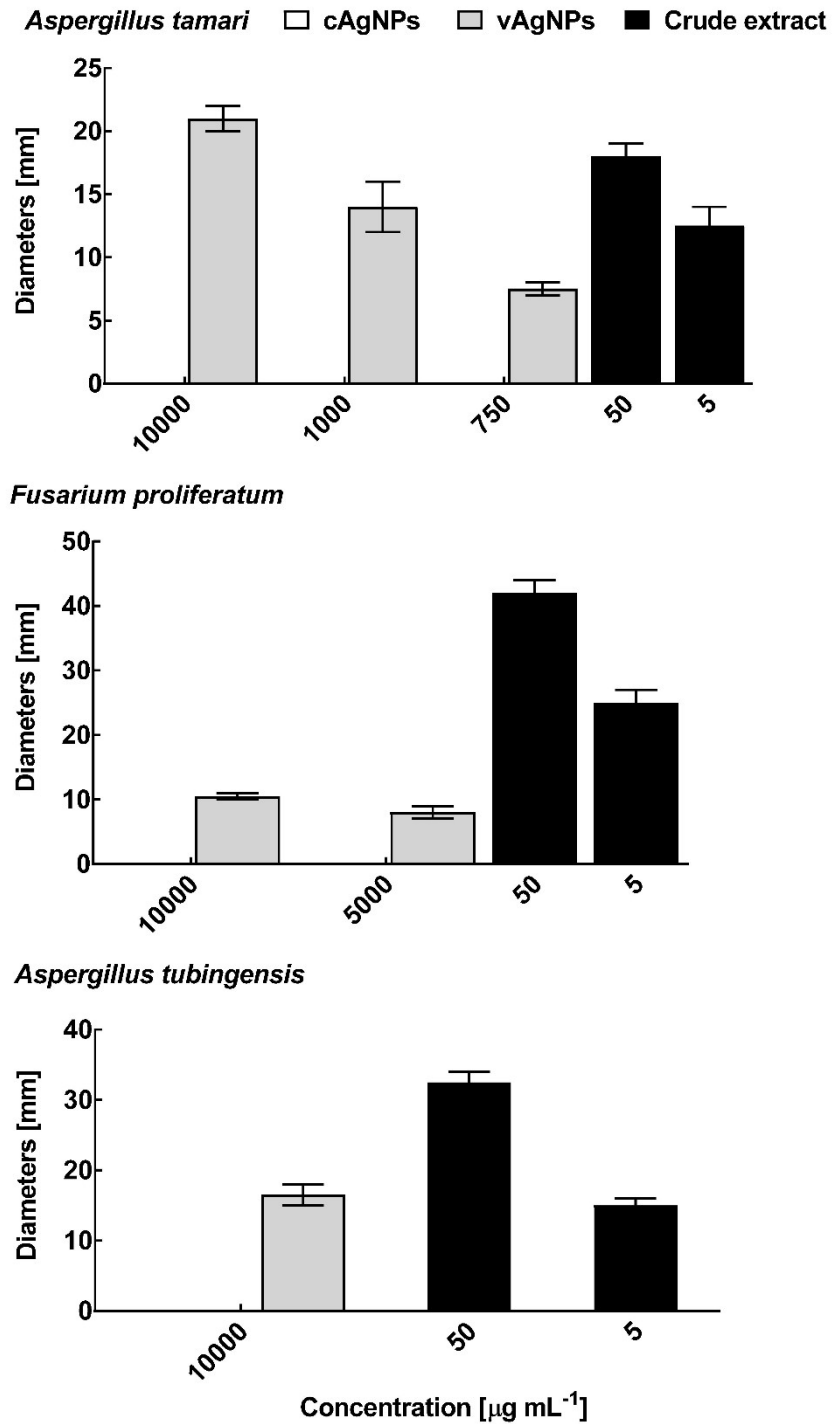
an out-group. Bootstrap values (only > 60 % are shown) are given at the branching points. Bar indicates 1.0 % sequence divergence.



**Figure S3:** UV-Vis spectra indicating aging of AgNPs. (a) cAgNPs and (b) vAgNPs. (—) denote freshly prepared samples and (---) denote storage time of 4 months.



**Figure S4:** UV-Vis Spectra indicating effect of temperature on AgNPs. (a) cAgNPs (b) vAgNPs. (—) denote absorbance before heating and (---) denote absorbance after heating at 60°C.



**Figure S5:** Antifungal activity of AgNPs and crude violacein. The error bars represent the standard error of mean. Greater the error bars, greater is the deviation between repetitive values.

**Table S1: Crystalline Size Measurement for the AgNPs. (a) cAgNPs and (b) vAgNPs**

**(a)**

<b>Phases cAgNPs</b>	<b>Peak position (°2<math>\theta</math>)</b>	<b><math>\beta</math> Observed</b>	<b><math>\beta</math> Standard</b>	<b><math>\beta</math> Structural</b>	<b>Size (Å)</b>	<b>Size (nm)</b>
<b>111</b>	32.24	0.197	0.008	0.19	<b>437.55</b>	<b>43.75</b>
<b>200</b>	43.91	0.134	0.008	0.13	<b>679.82</b>	<b>67.98</b>
<b>220</b>	64.33	0.472	0.008	0.46	<b>202.26</b>	<b>20.23</b>

Average=44.01

**(b)**

<b>Phases vAgNPs</b>	<b>Peak position (°2<math>\theta</math>)</b>	<b><math>\beta</math> Observed</b>	<b><math>\beta</math> Standard</b>	<b><math>\beta</math> Structural</b>	<b>Size (Å)</b>	<b>Size (nm)</b>
<b>111</b>	32.2	0.276	0.008	0.19	<b>309.01</b>	<b>30.90</b>
<b>200</b>	44.04	0.203	0.008	0.13	<b>439.47</b>	<b>43.95</b>
<b>220</b>	64.40	0.63	0.008	0.46	<b>150.94</b>	<b>15.09</b>

Average=29.98