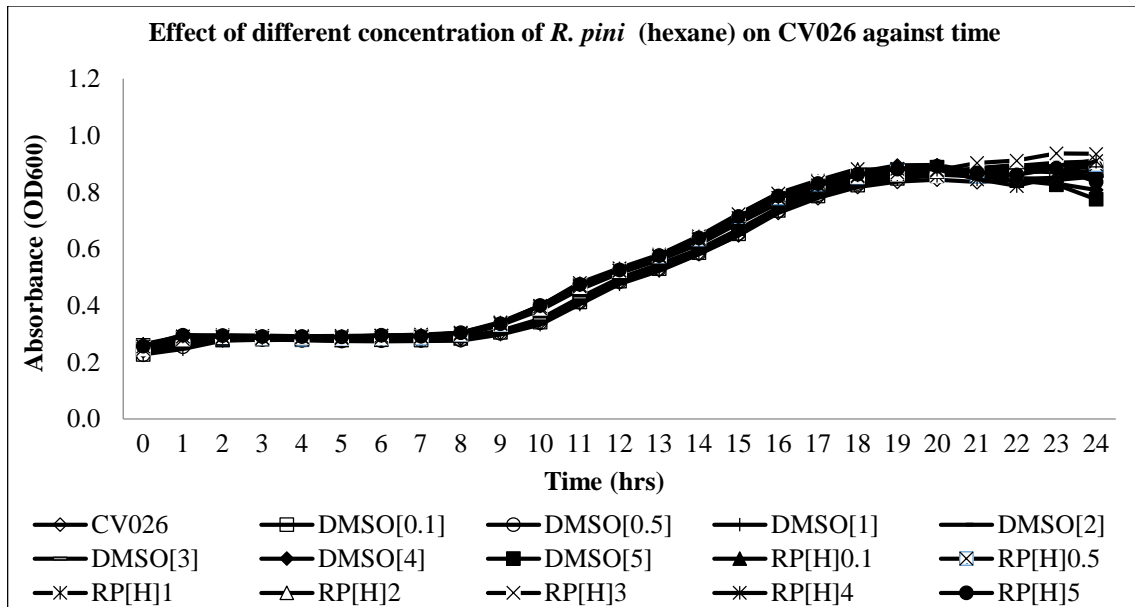


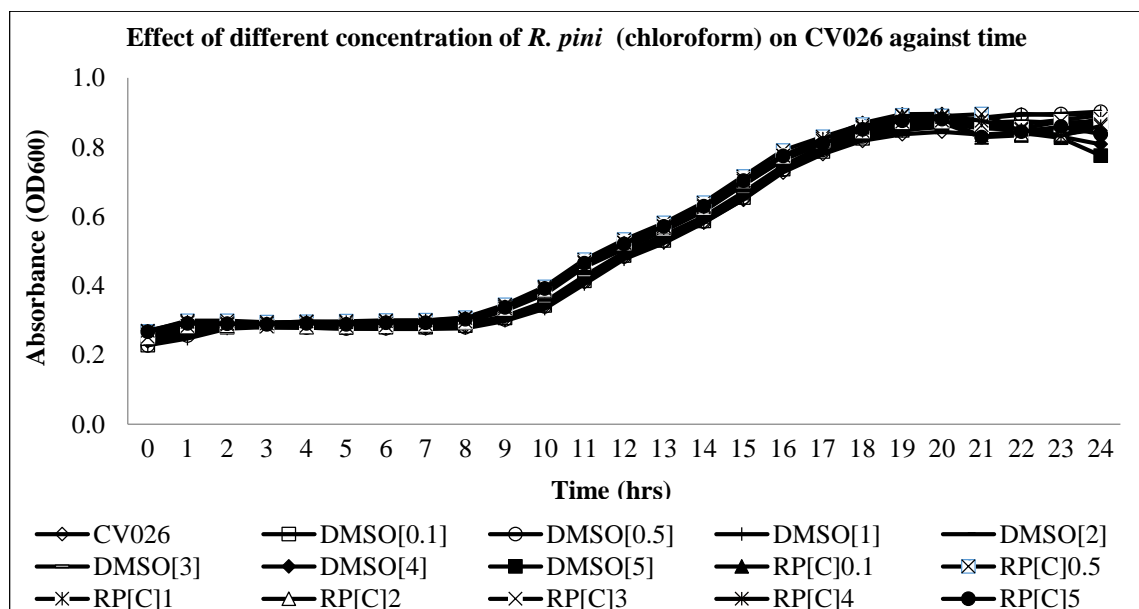
Supplementary data

A. Bacterial Growth

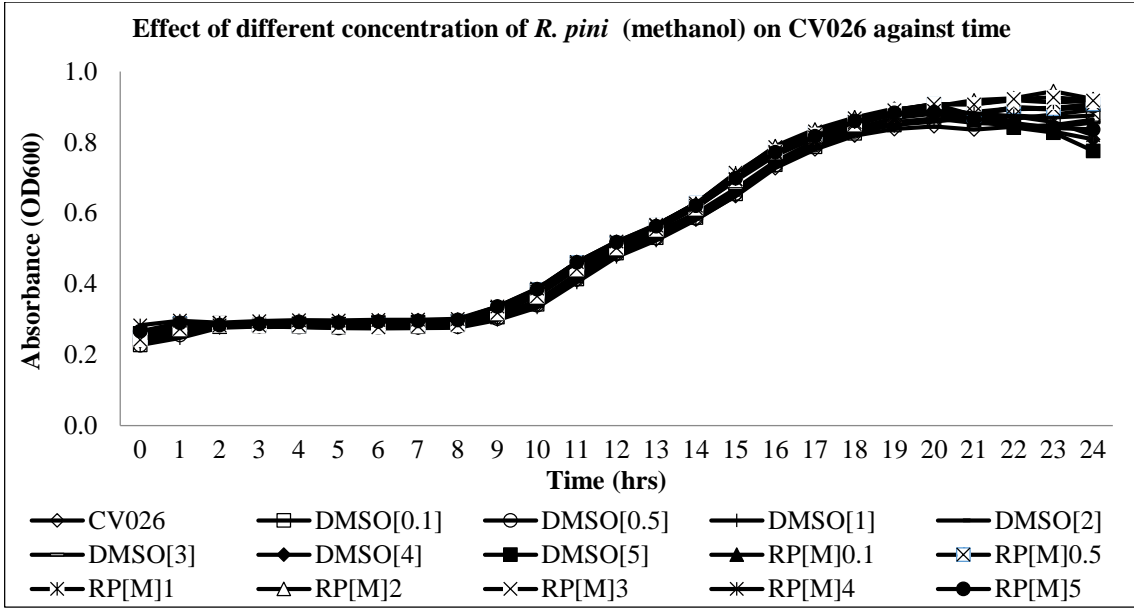
(i) *C. violaceum* CV026



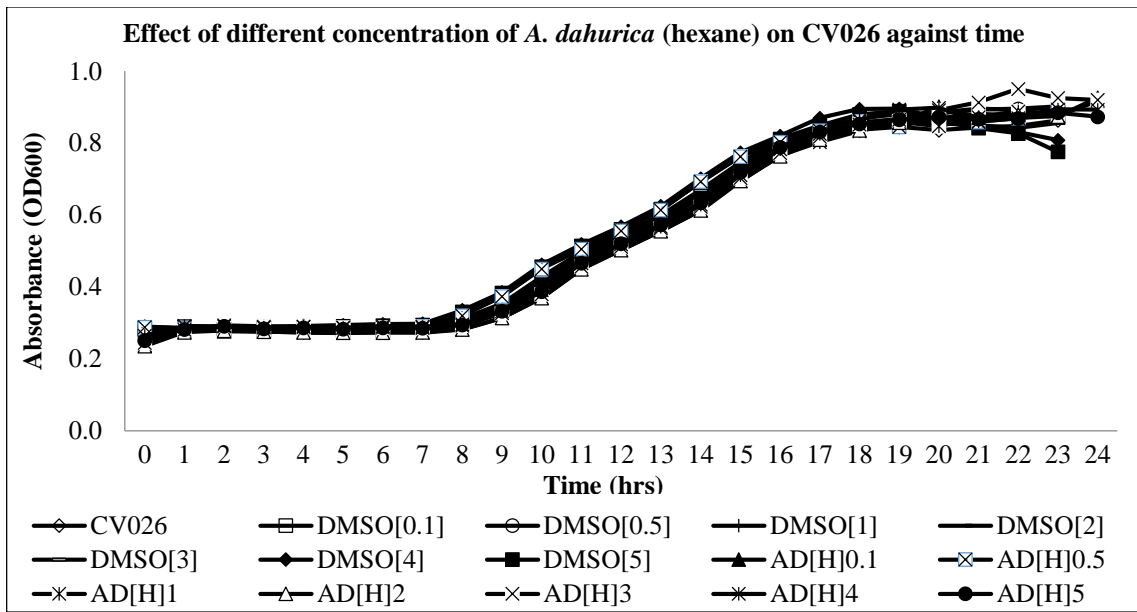
(1A)



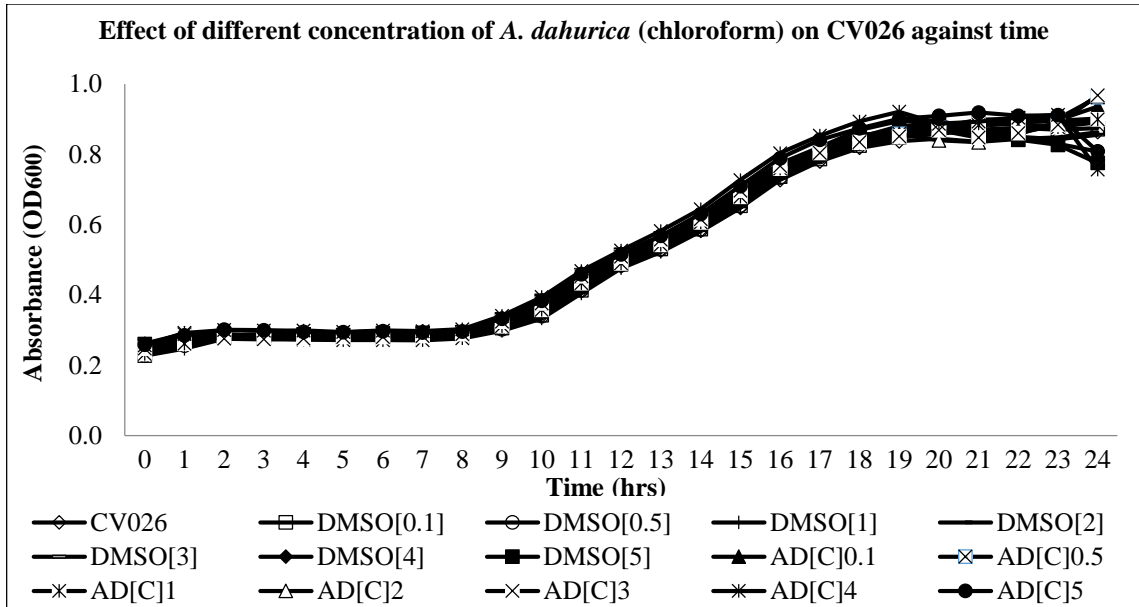
(1B)



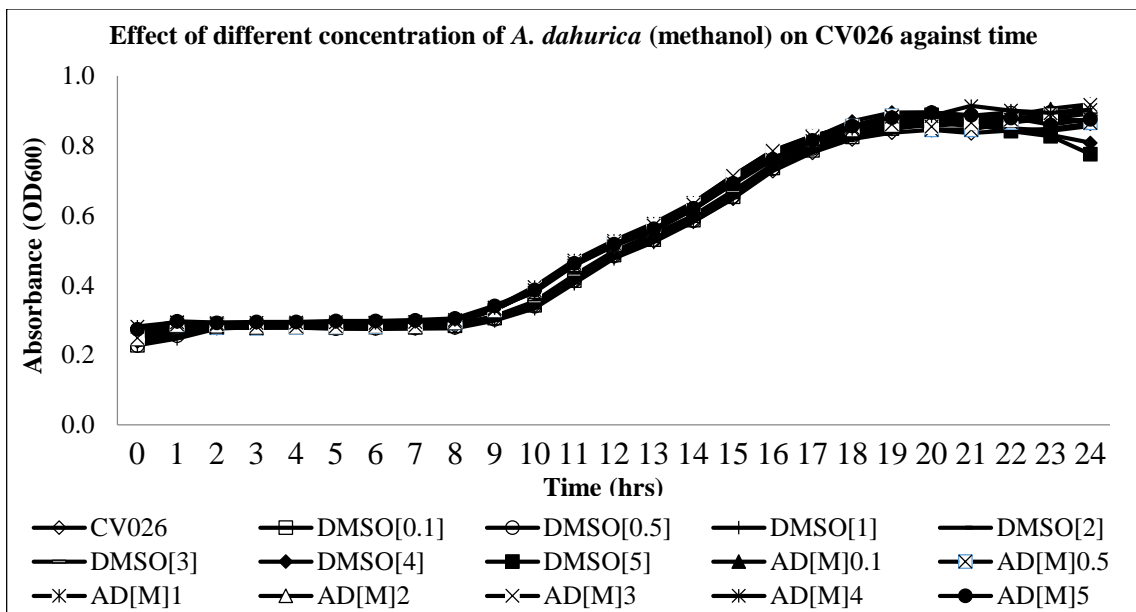
(1C)



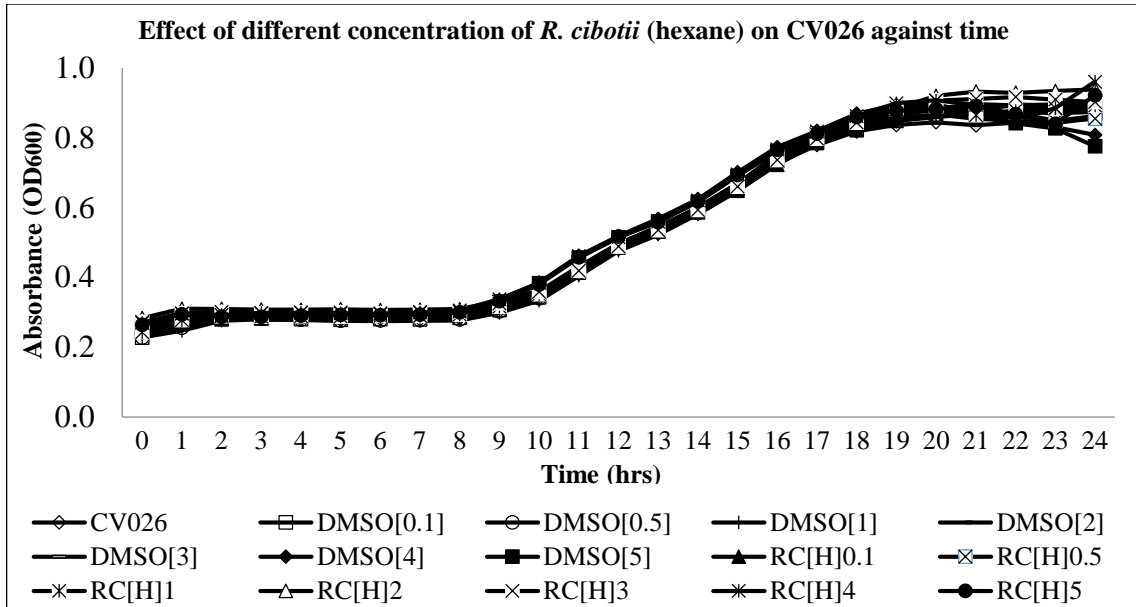
(2A)



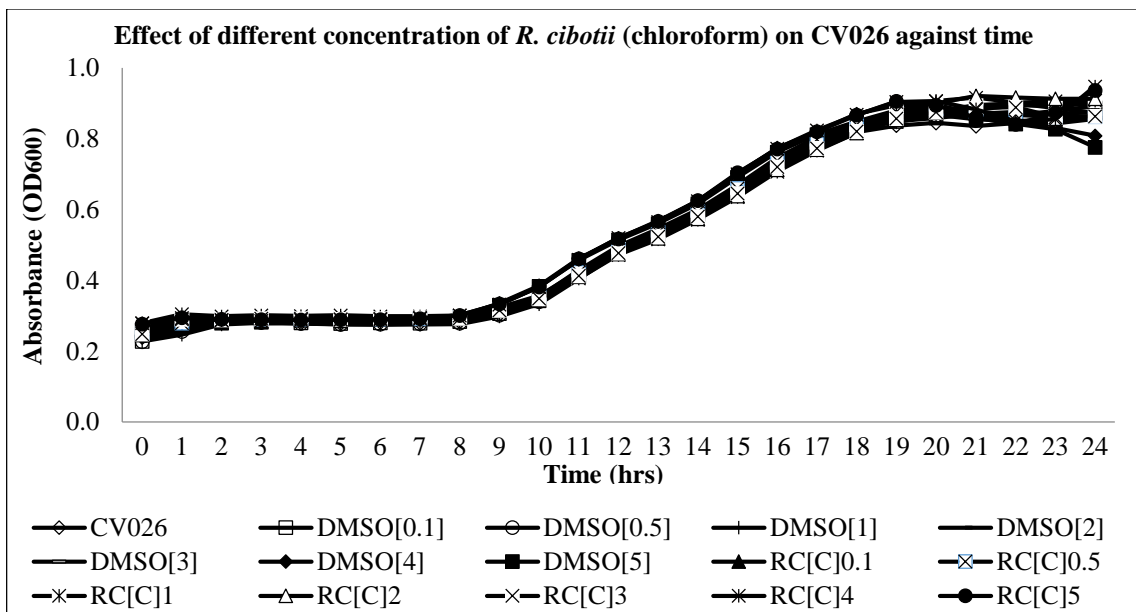
(2B)



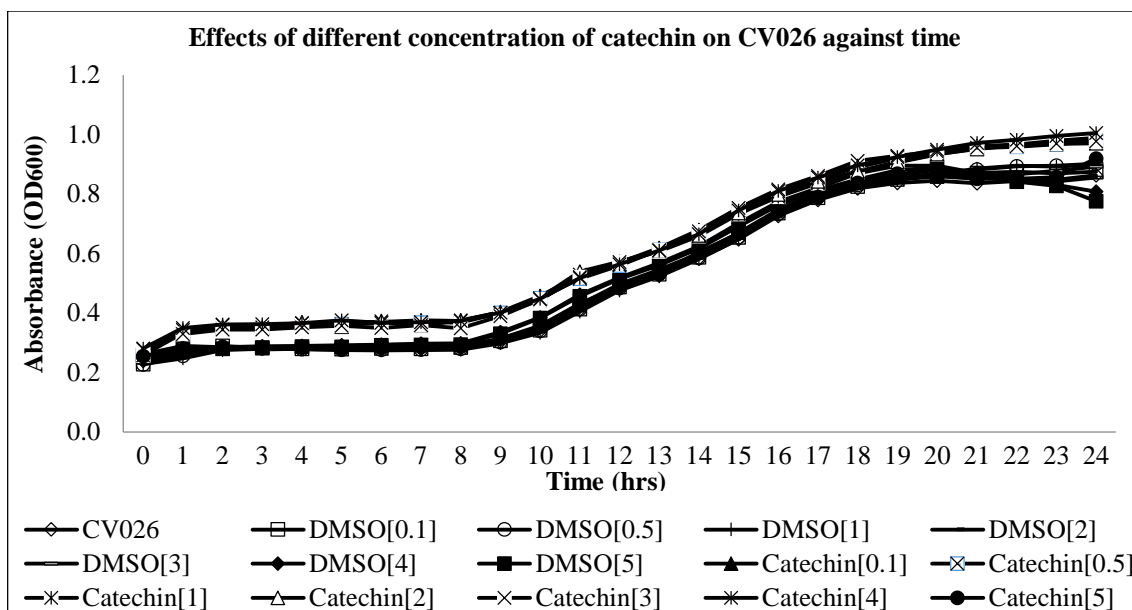
(2C)



(3A)

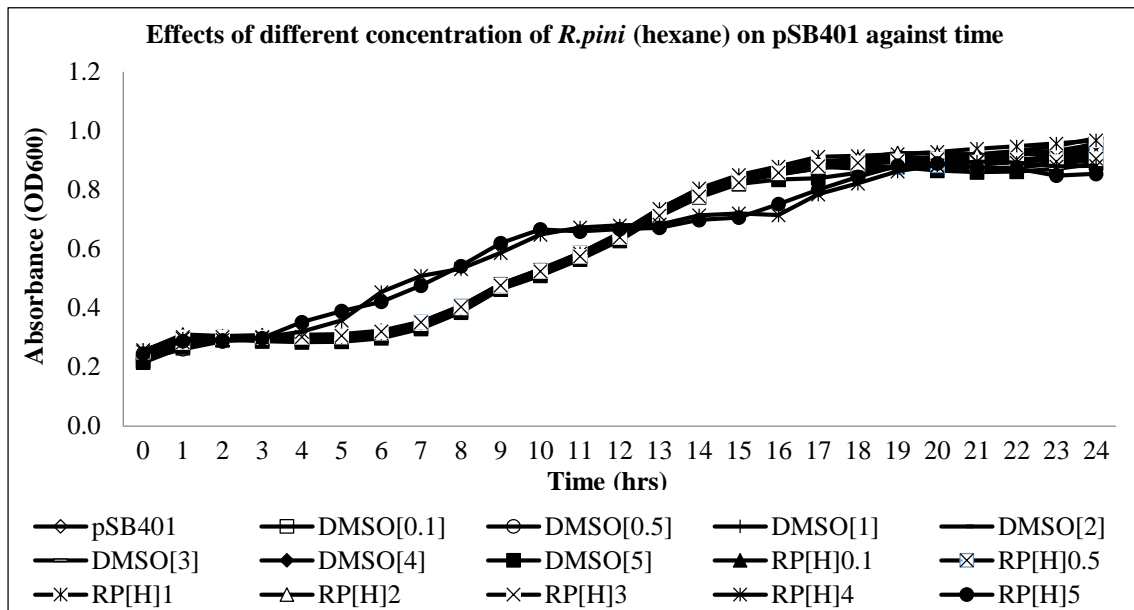


(3B)

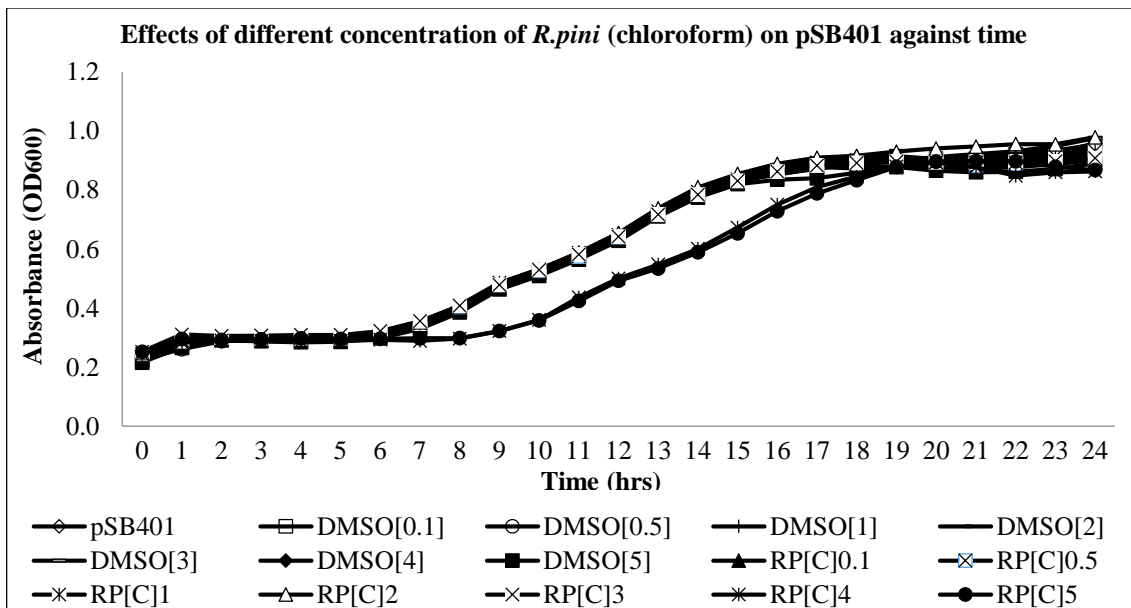


Supplementary Figure 1. The growth curve of *C. violaceum* CV026 at the concentration of 0.1, 0.5, 1, 2, 3, 4 and 5 mg/mL of plant extracts in hexane(A), chloroform (B) and methanol(C). (1) *R. pini* (2) *A. dahurica* (3) *R. cibotii* (4) *S. tenuifolia*. The curve for *C. violaceum* CV026 refers to untreated culture while DMSO and catechin served as negative and positive controls, respectively.

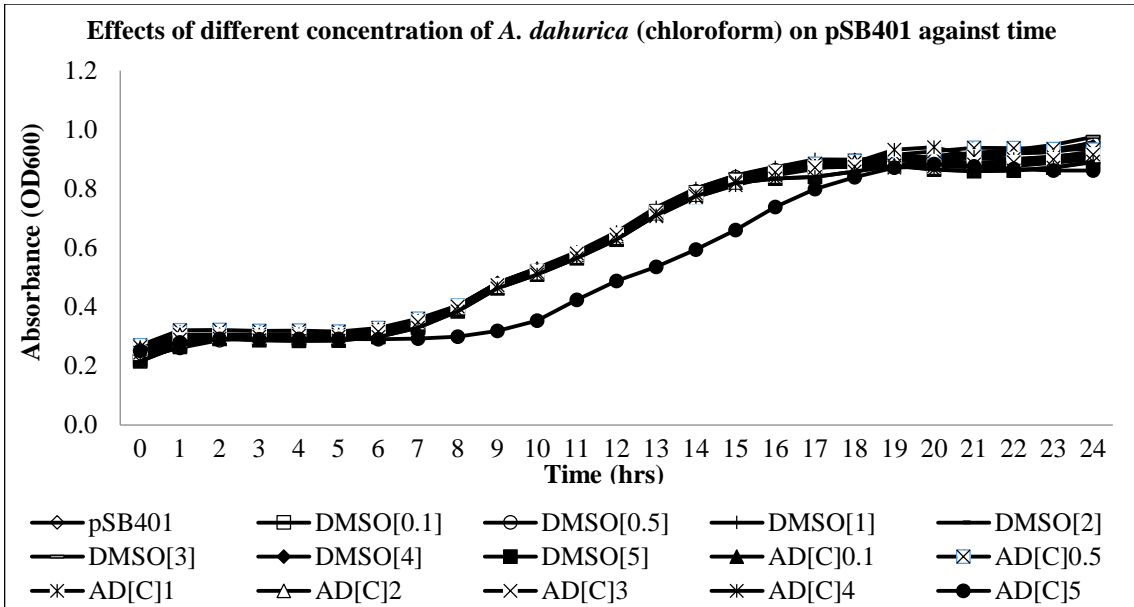
(ii) *E. coli* [pSB401]



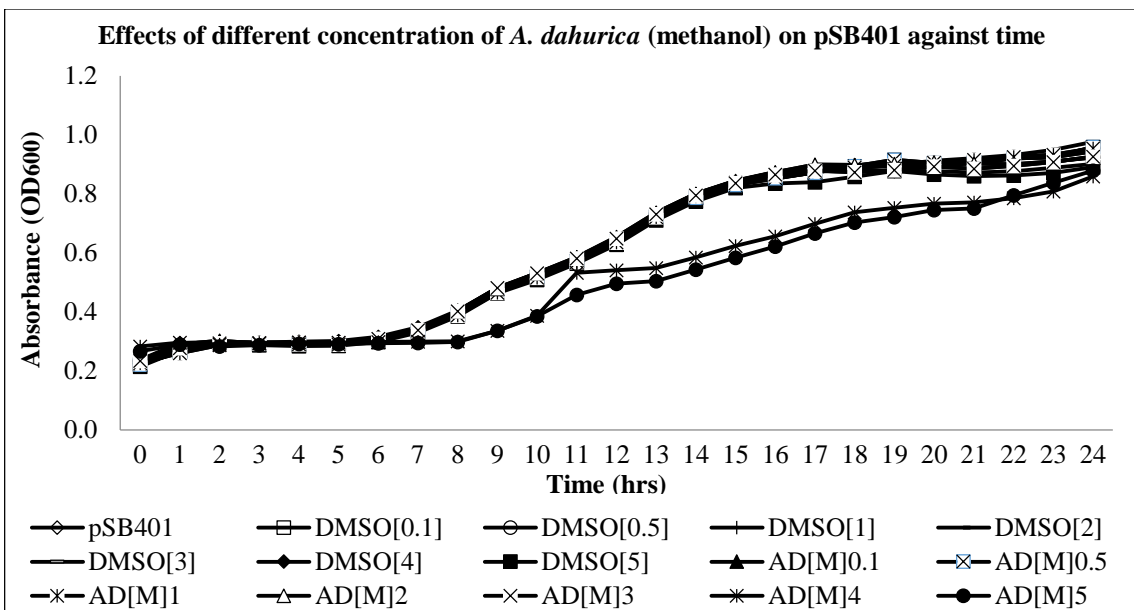
(1A)



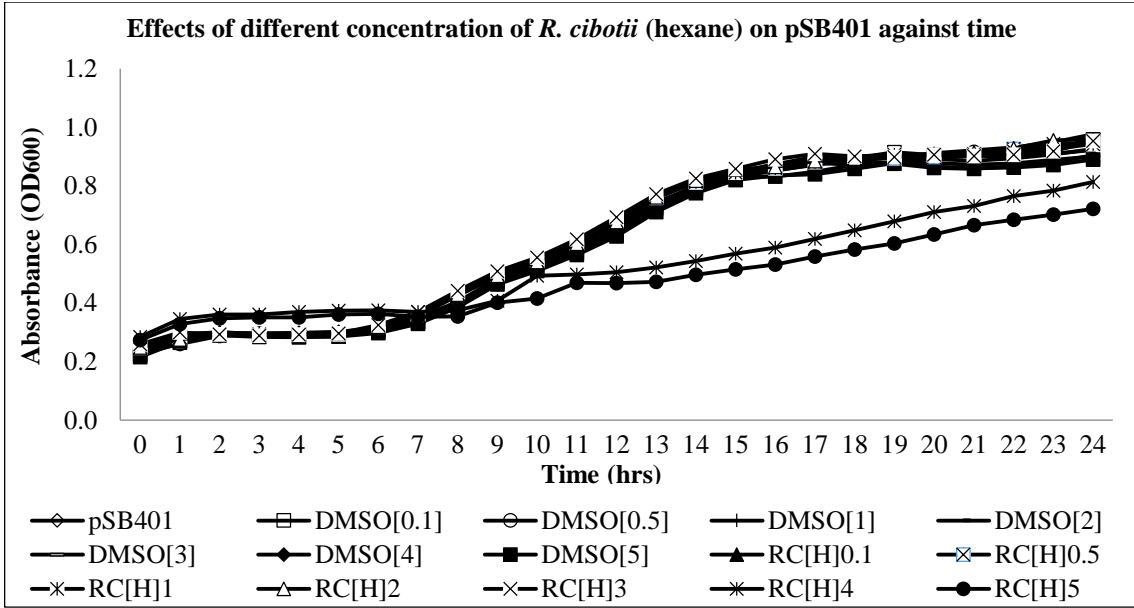
(1B)



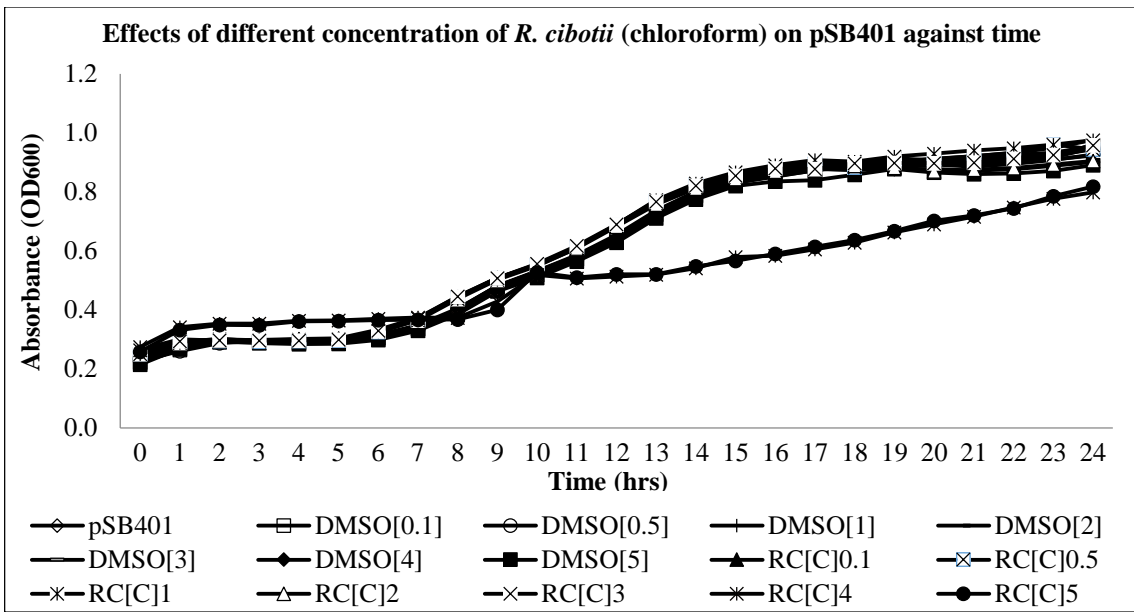
(2B)



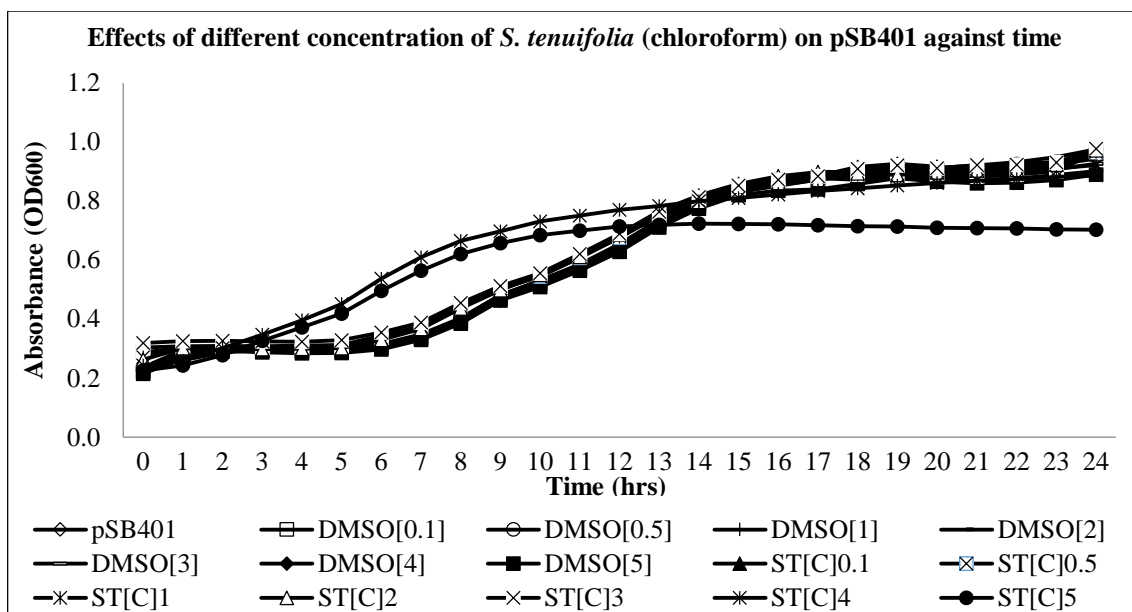
(2C)



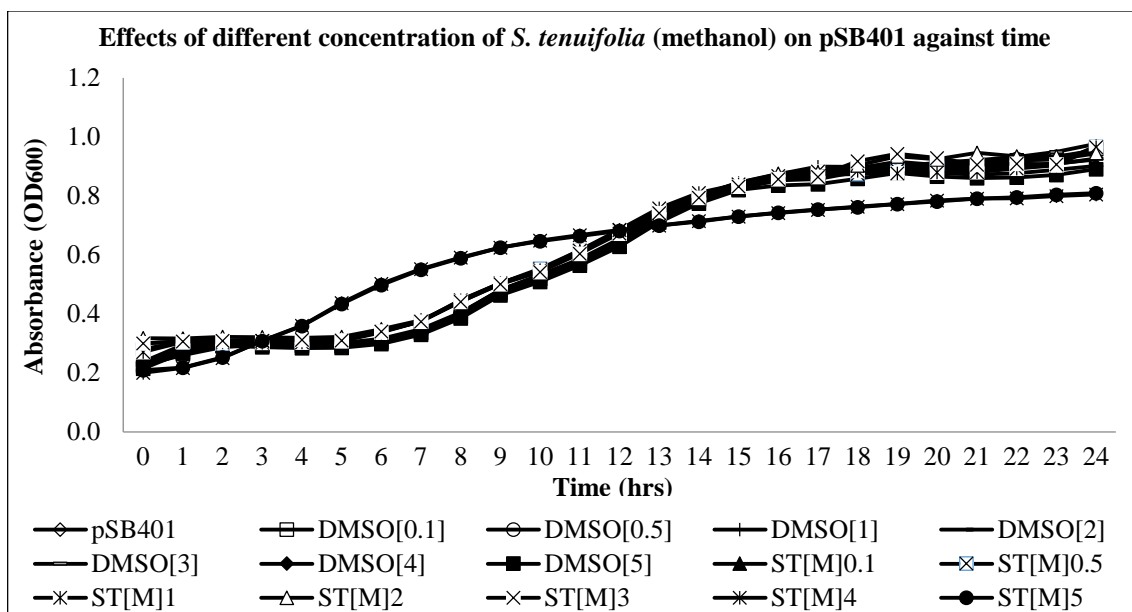
(3A)



(3B)

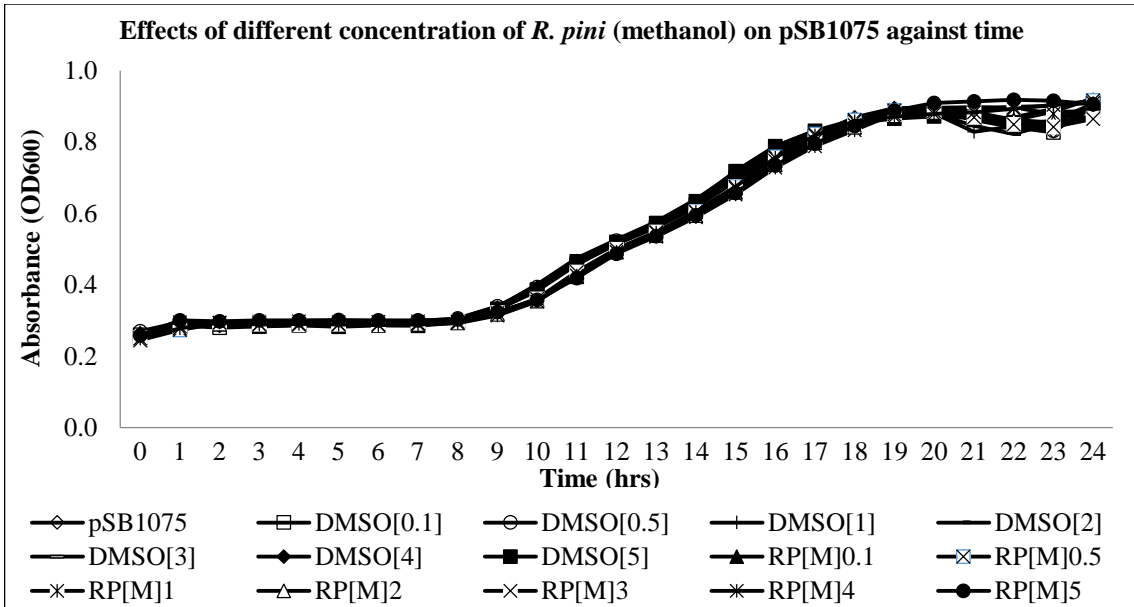


(4B)

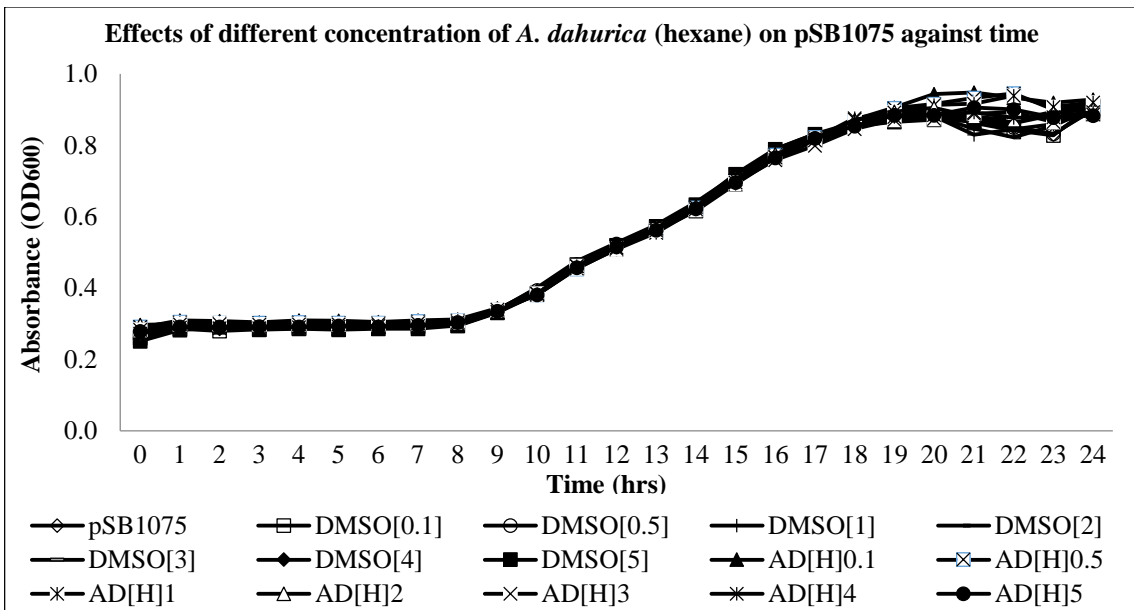


(4C)

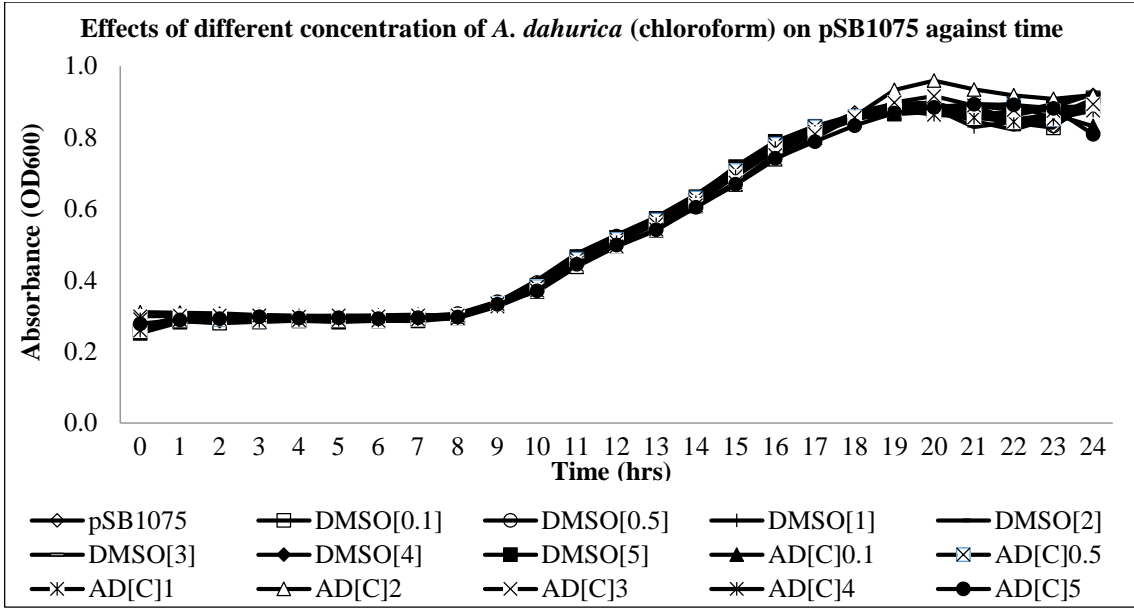
Supplementary Figure 2. The growth curve of *E. coli* [pSB401] at the concentration of 0.1, 0.5, 1, 2, 3, 4 and 5 mg/mL of plant extracts in hexane(A), chloroform (B) and methanol(C). (1) *R. pini* (2) *A. dahurica* (3) *R. cibotii* (4) *S. tenuifolia*. The curve for *E. coli* [pSB401] refers to untreated culture while DMSO served as negative control.



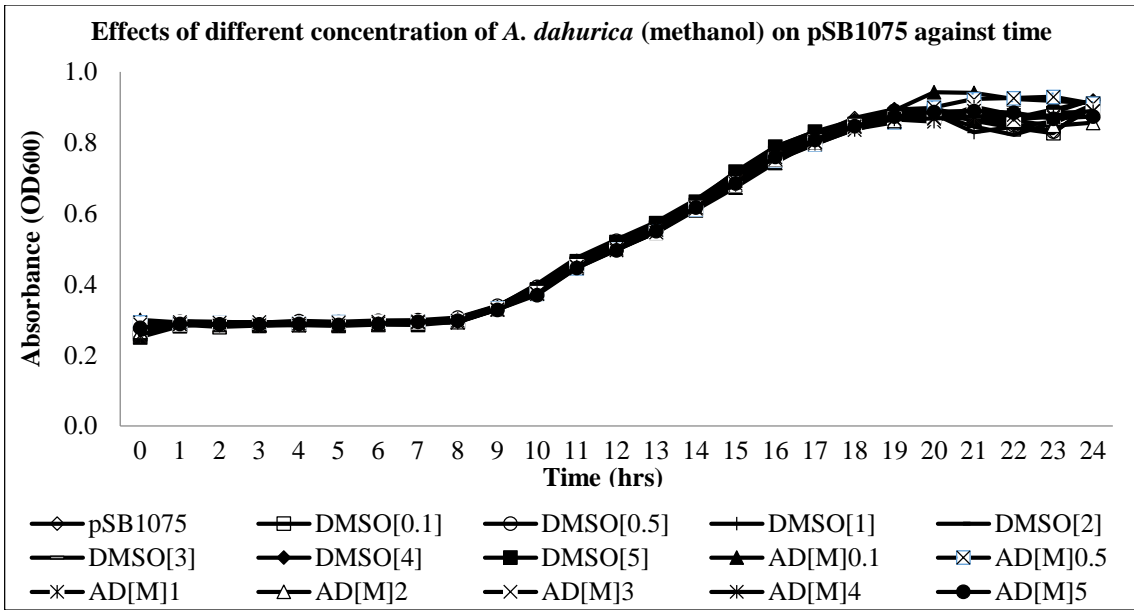
(1C)



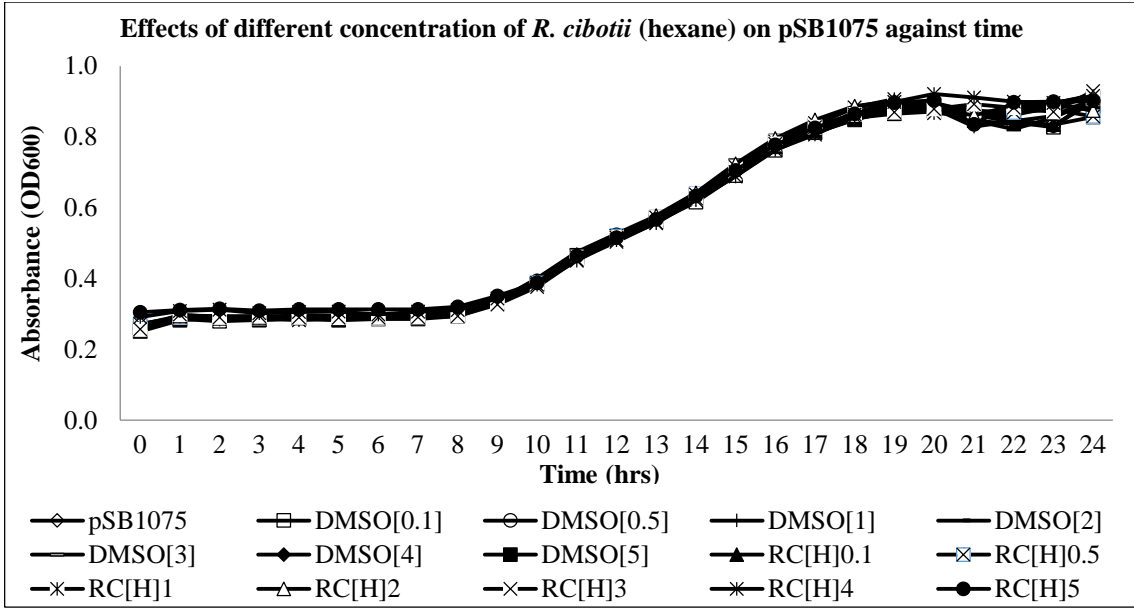
(2A)



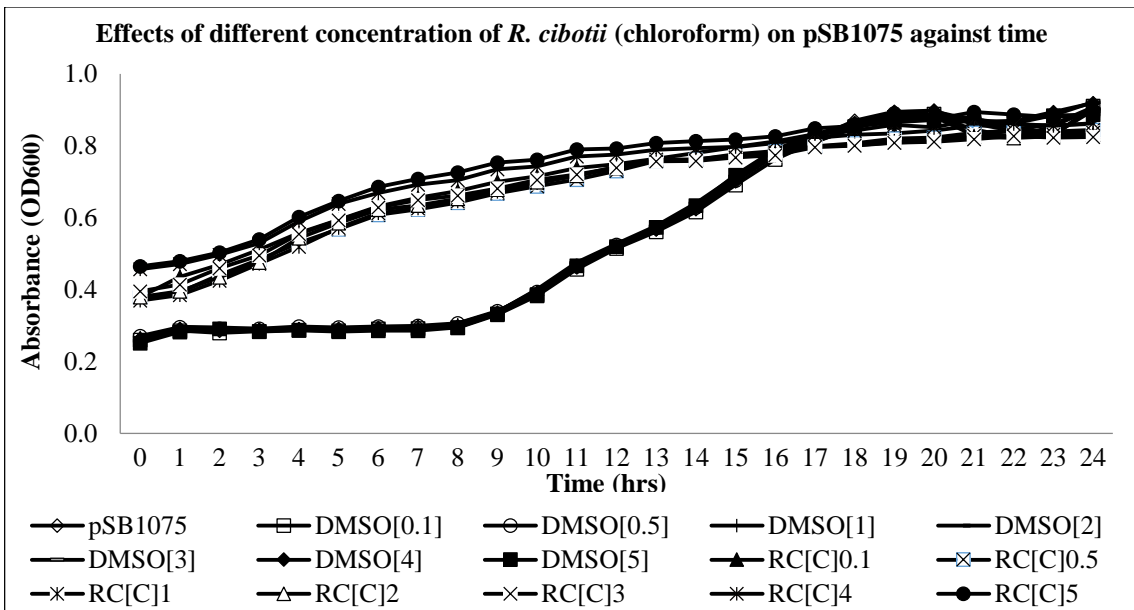
(2B)



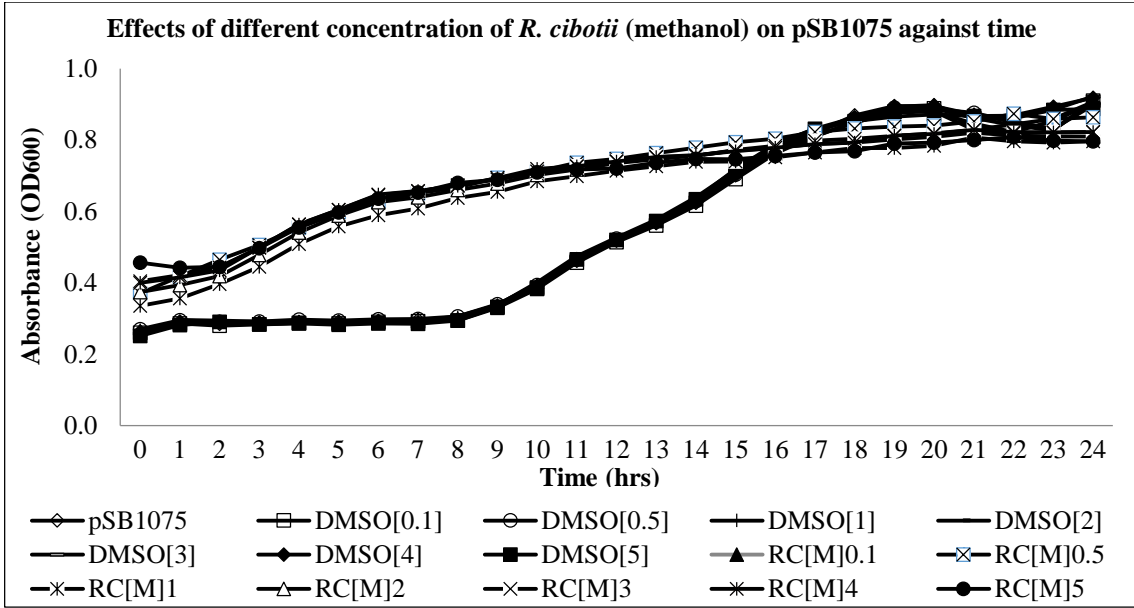
(2C)



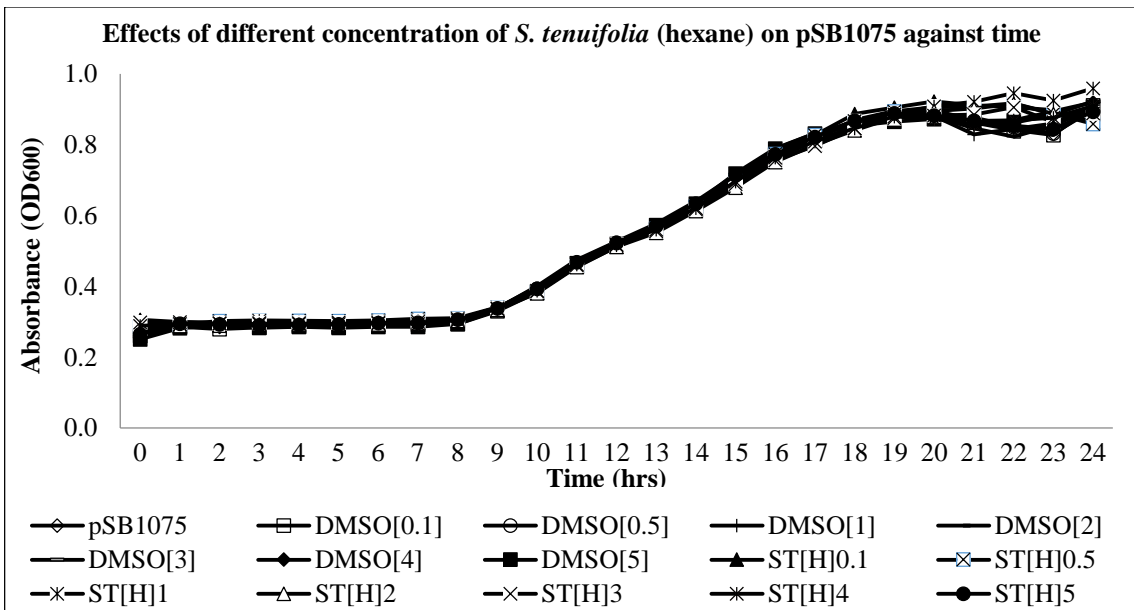
(3A)



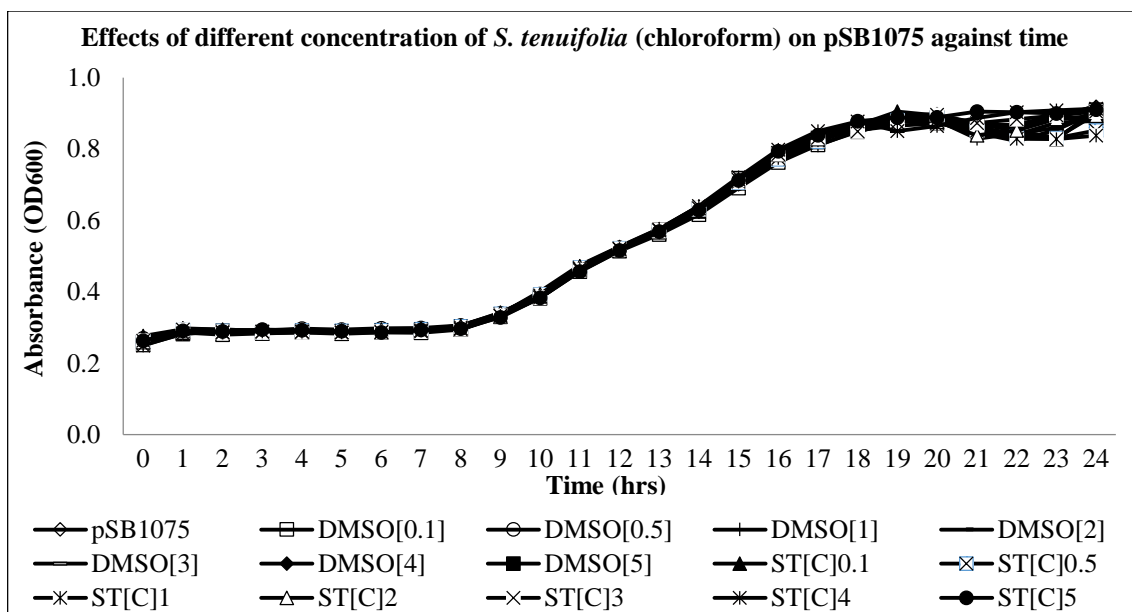
(3B)



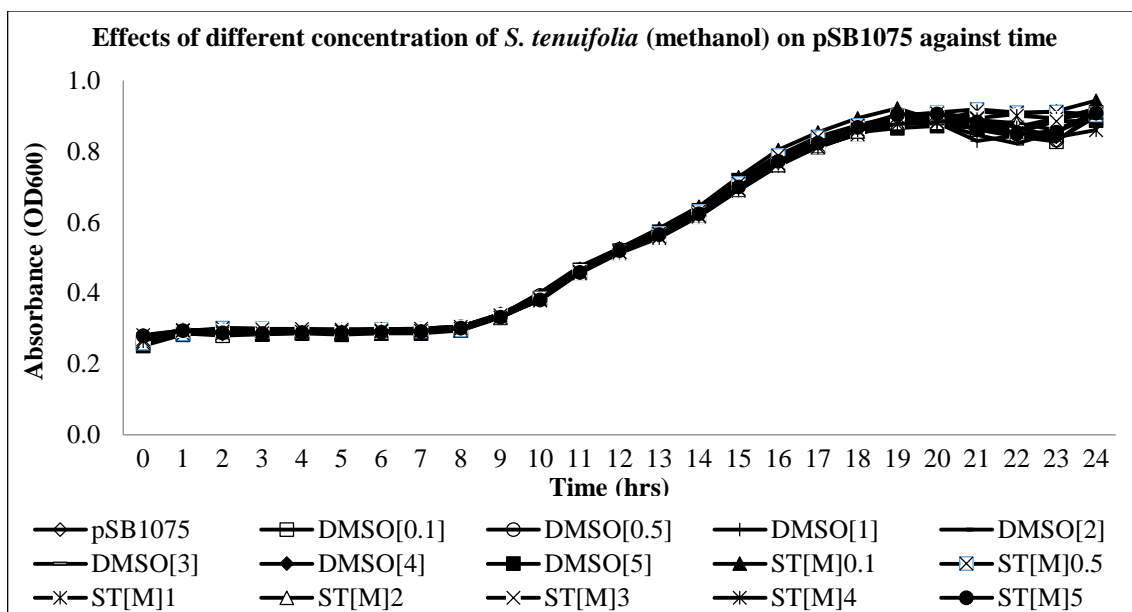
(3C)



(4A)

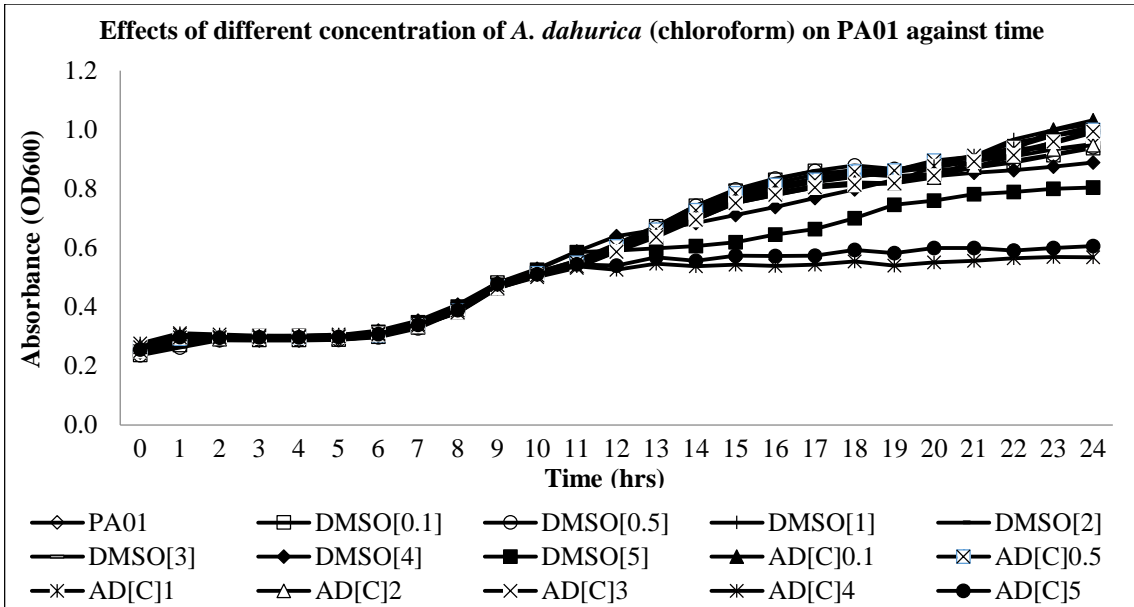


(4B)

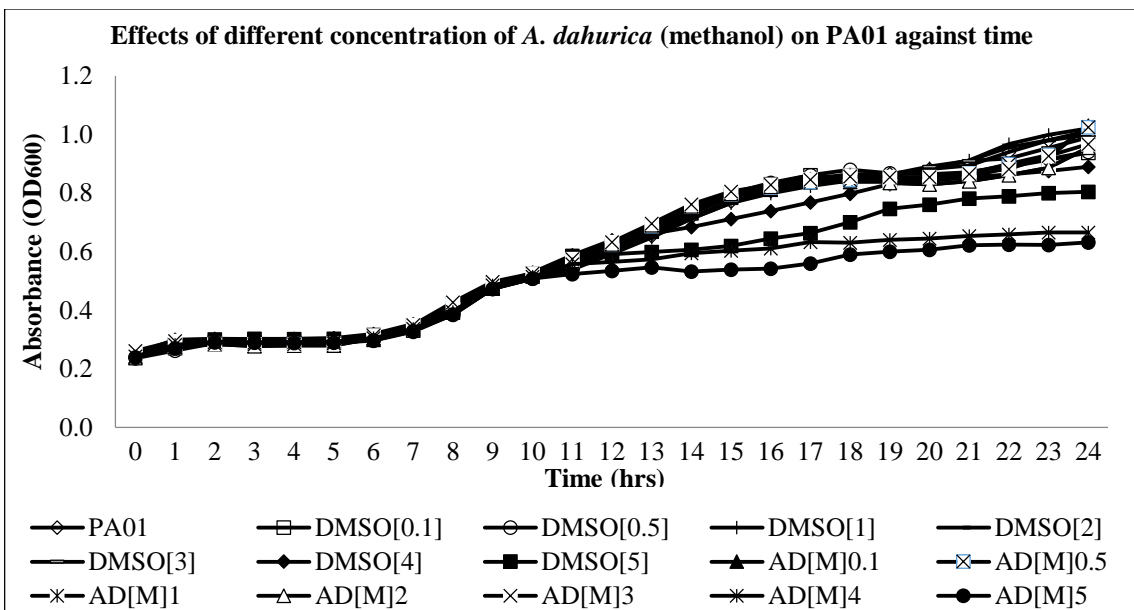


(4C)

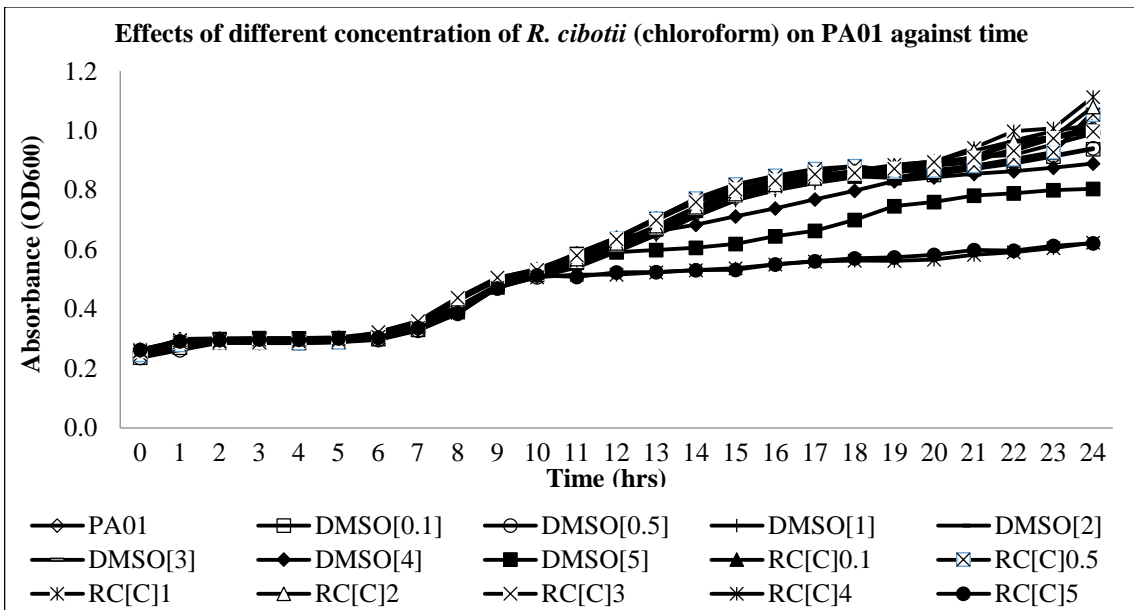
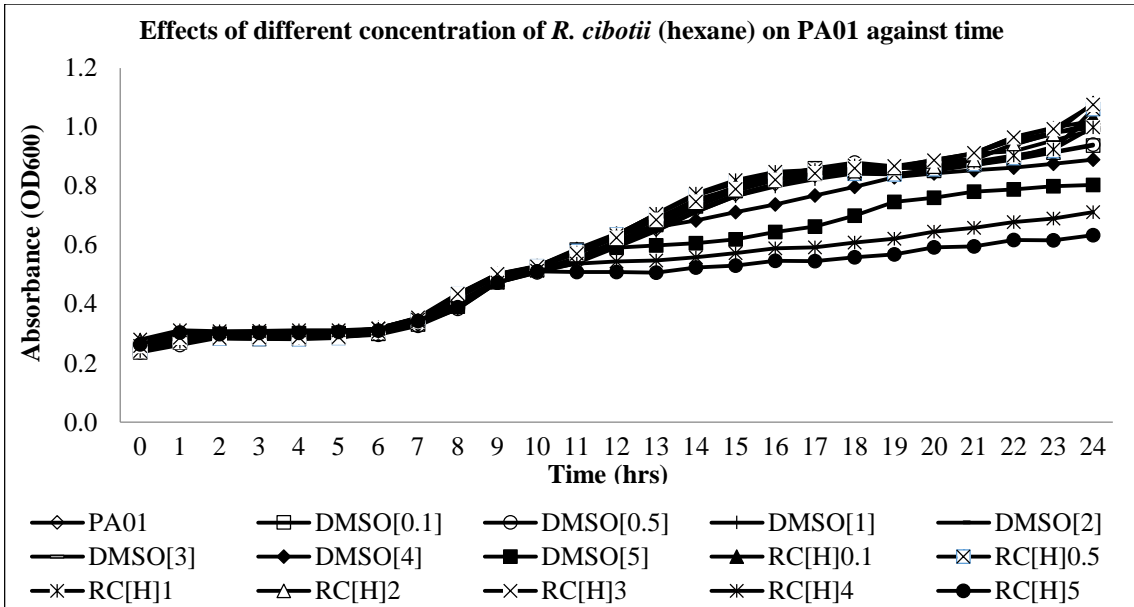
Supplementary Figure 3. The growth curve of *E. coli* [pSB1075] at the concentration of 0.1, 0.5, 1, 2, 3, 4 and 5 mg/mL of plant extracts in hexane(A), chloroform (B) and methanol(C). (1) *R. pini* (2) *A. dahurica* (3) *R. cibotii* (4) *S. tenuifolia*. The curve for *E. coli* [pSB1075] refers to untreated culture while DMSO served as negative control.

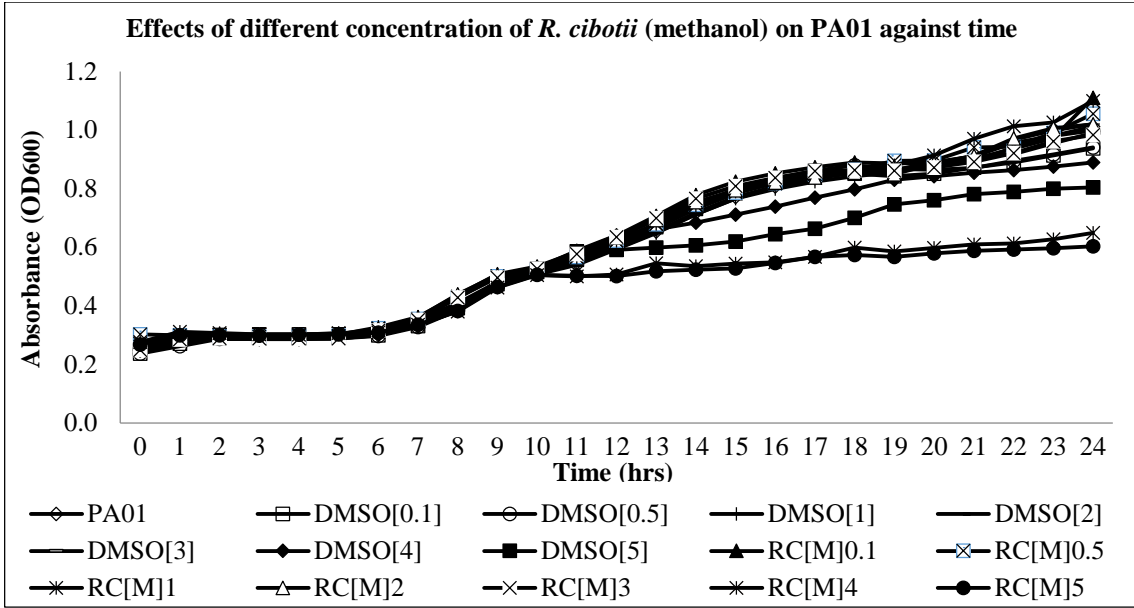


(2B)

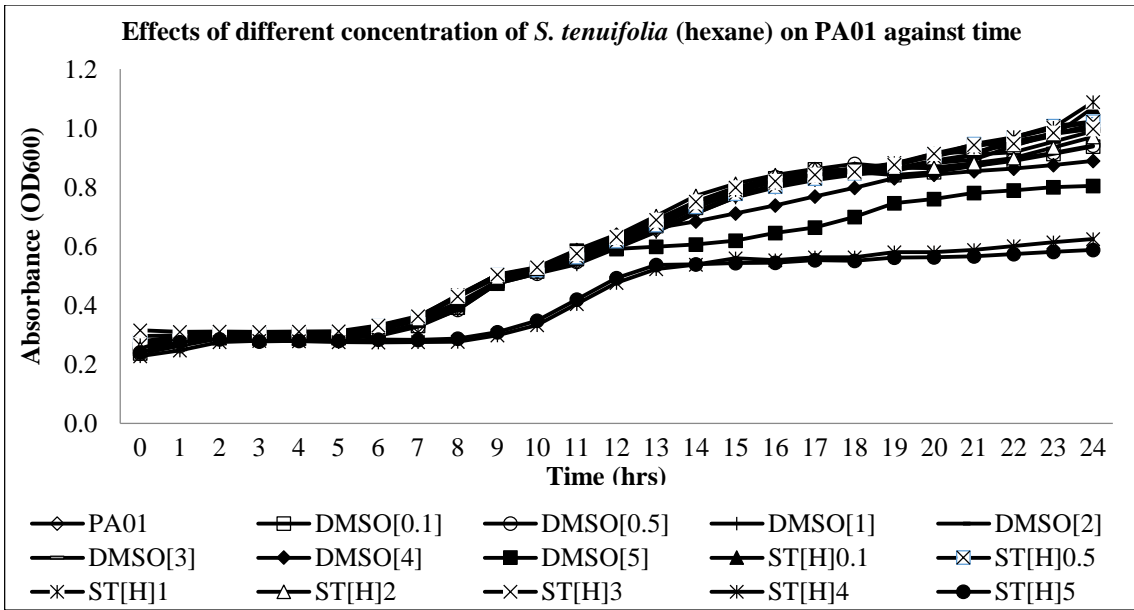


(2C)

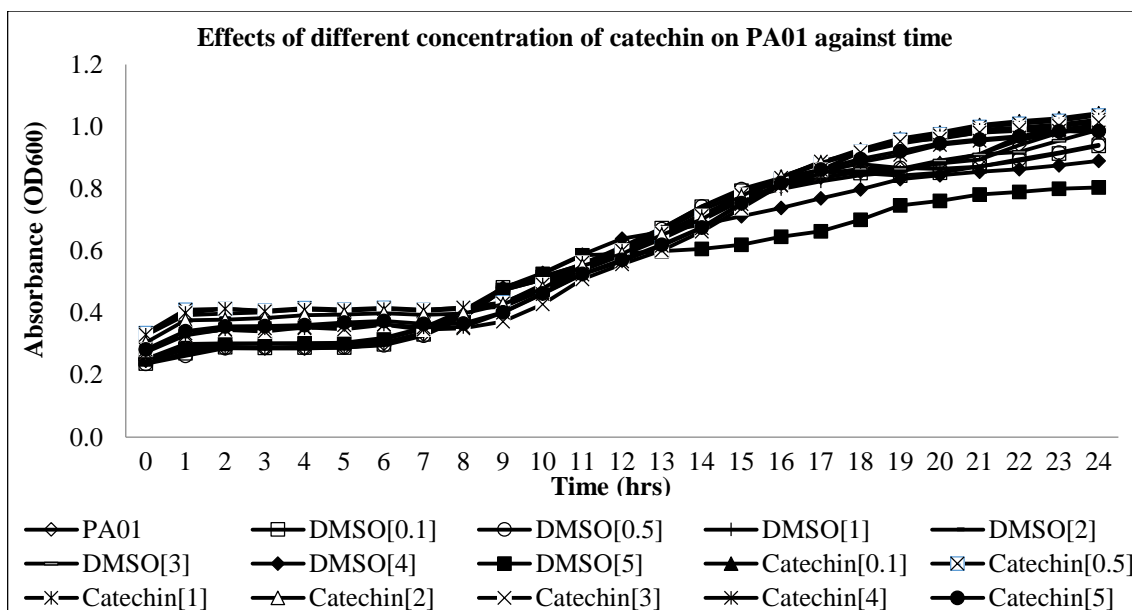




(3C)

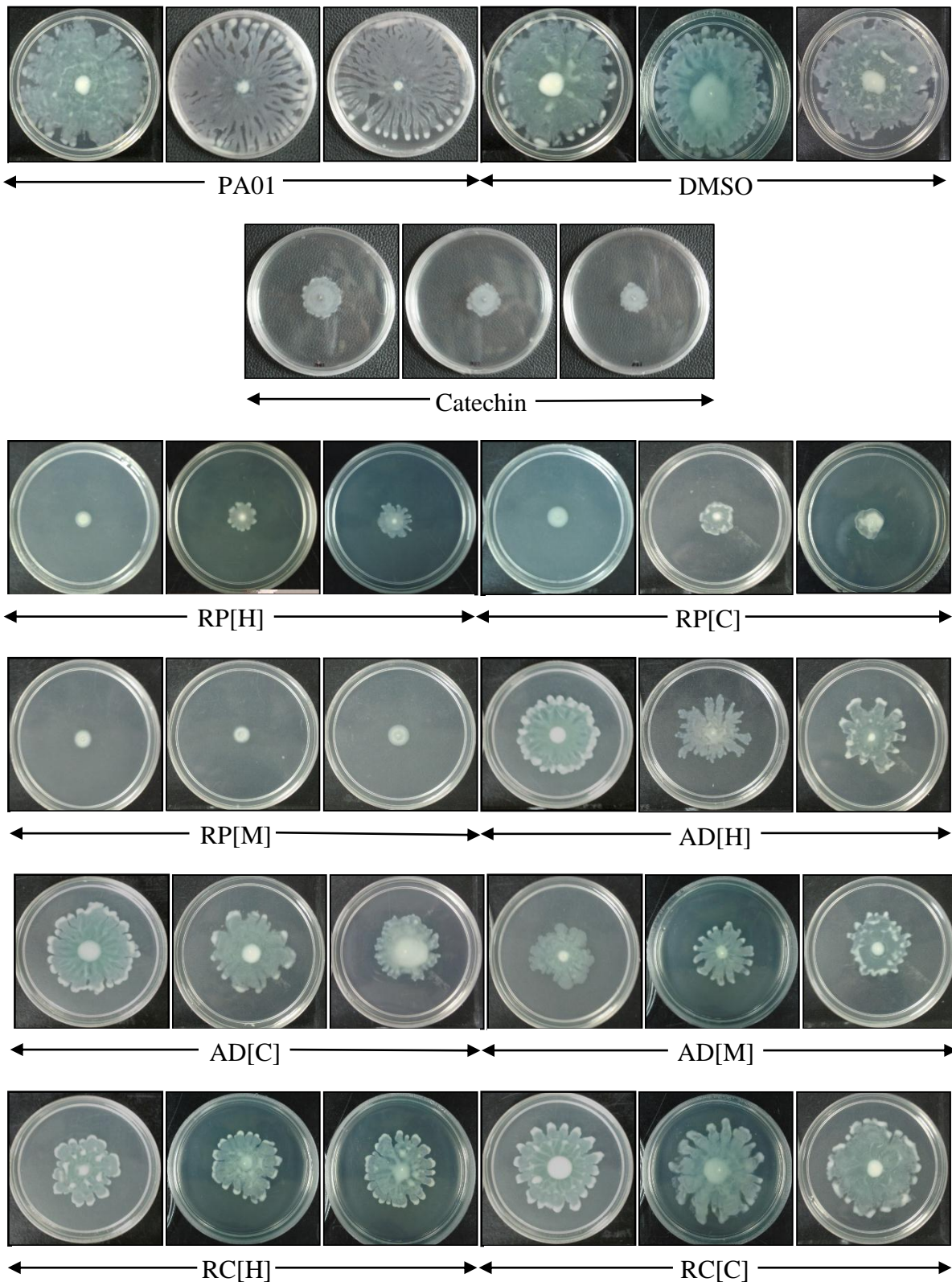


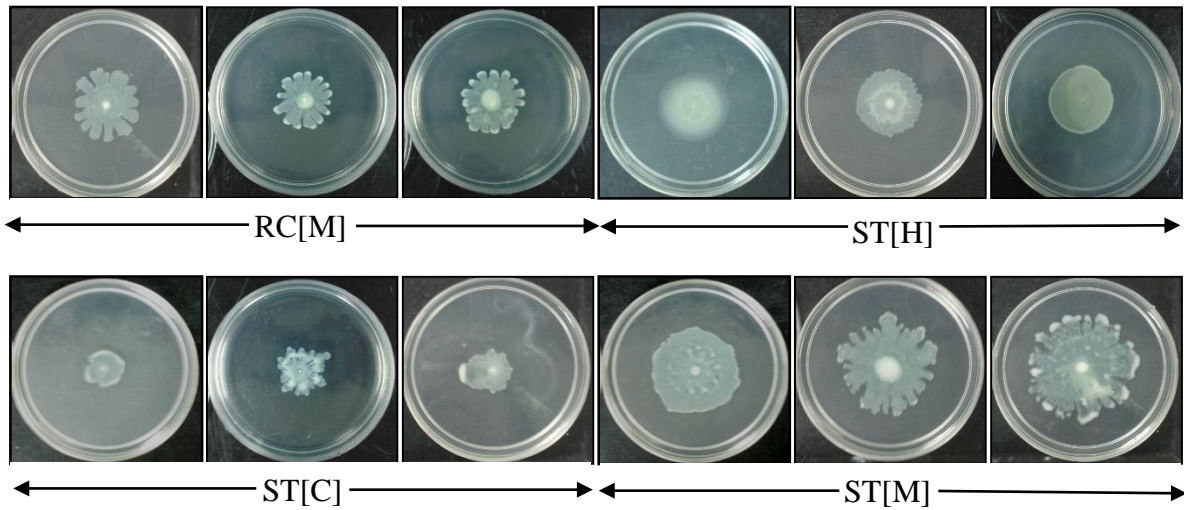
(4A)



Supplementary Figure 4. The growth curve of *P. aeruginosa* PA01 at the concentration of 0.1, 0.5, 1, 2, 3, 4 and 5 mg/mL of plant extracts in hexane(A), chloroform (B) and methanol(C). (1) *R. pini* (2) *A. dahurica* (3) *R. cibotii* (4) *S. tenuifolia*. The curve for *P. aeruginosa* PA01 refers to untreated culture while DMSO and catechin served as negative and positive controls, respectively.

B. Swarming Motility Assay





Supplementary Figure 5. The effects of the four plant extracts (*R. pini*, *A. dahurica*, *R. cibotii* and *S. tenuifolia*) on the swarming motility in *P. aeruginosa* PAO1 at the concentration of 1 mg/mL in hexane[H], chloroform[C] and methanol[M] extraction. Swarming agar inoculated with *P. aeruginosa* PAO1 alone, *P. aeruginosa* PAO1 supplemented with DMSO (10% v/v) as negative control and *P. aeruginosa* PAO1 supplemented with catechin at 1 mg/mL as positive control.