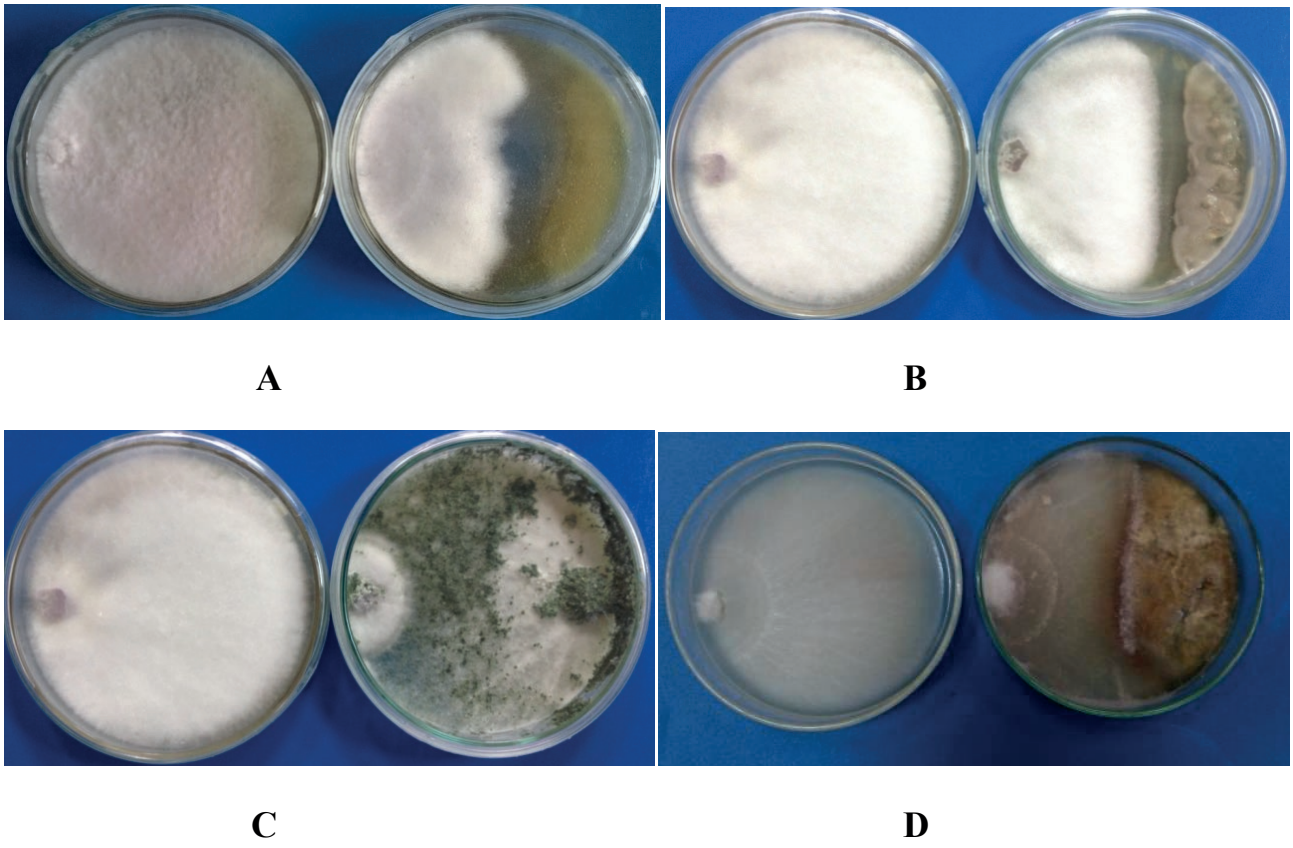
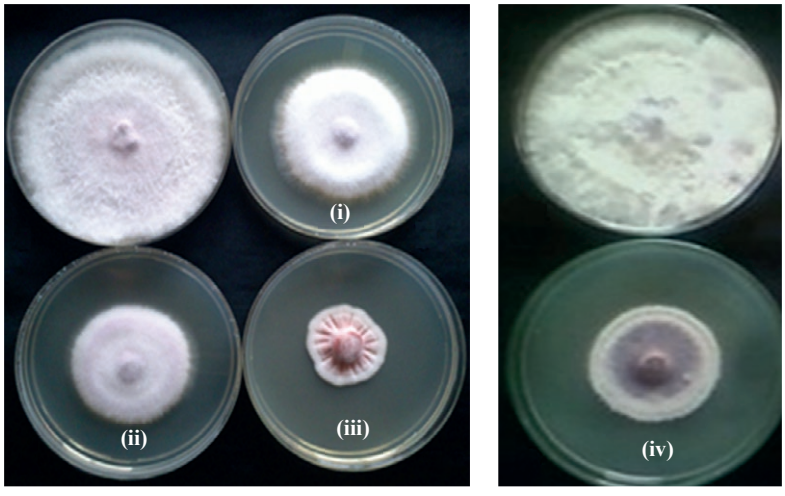
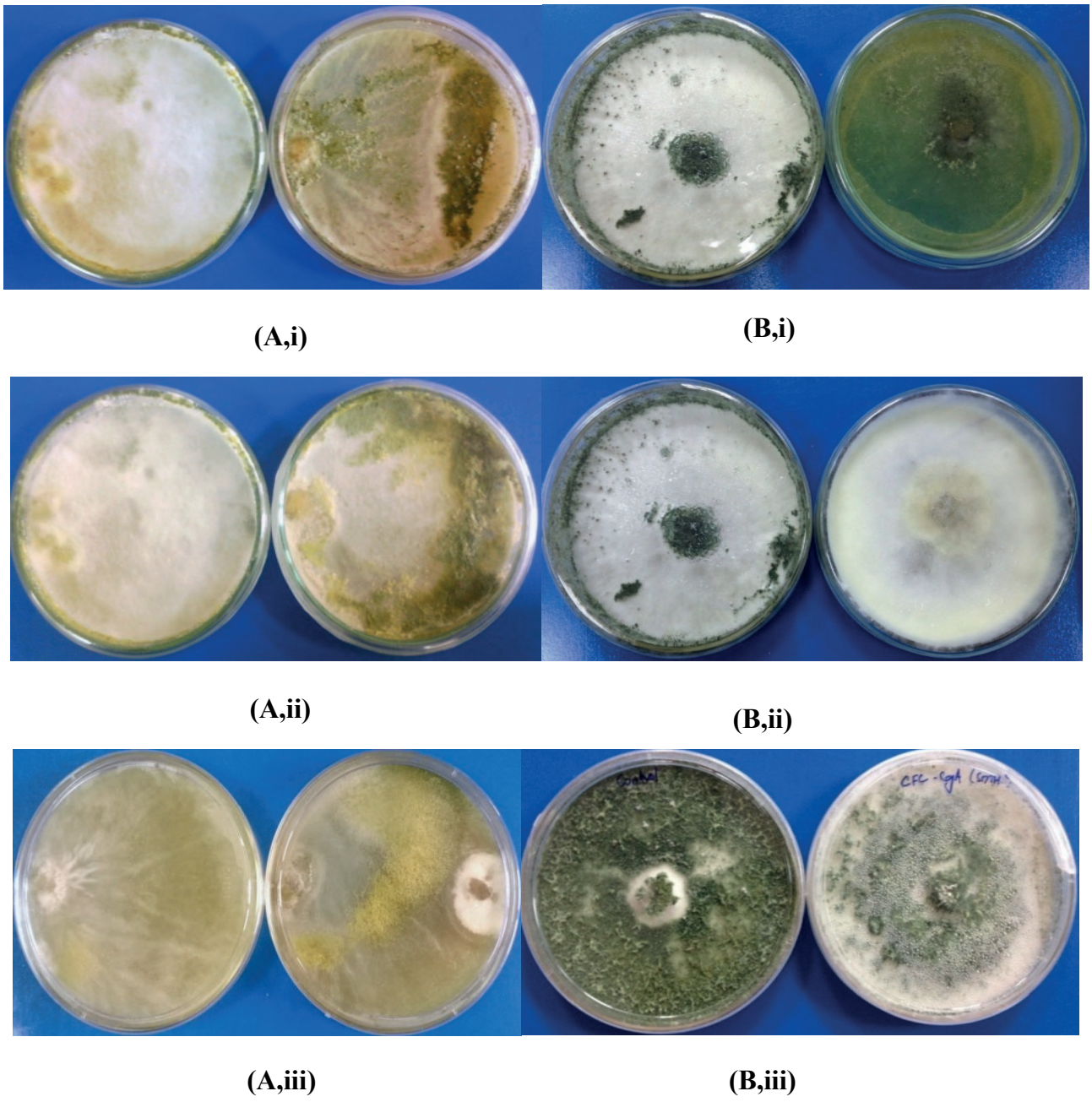
V.K. Sidharthan, G. Pothiraj, V. Suryaprakash, A.K. Singh, R. Aggarwal, V. Shanmugam (2023). A synergic and compatible microbial-based consortium for biocontrol of Fusarium wilt of tomato. *Phytopathologia Mediterranea* 62(2): 183-197. doi: 10.36253/phyto-13055



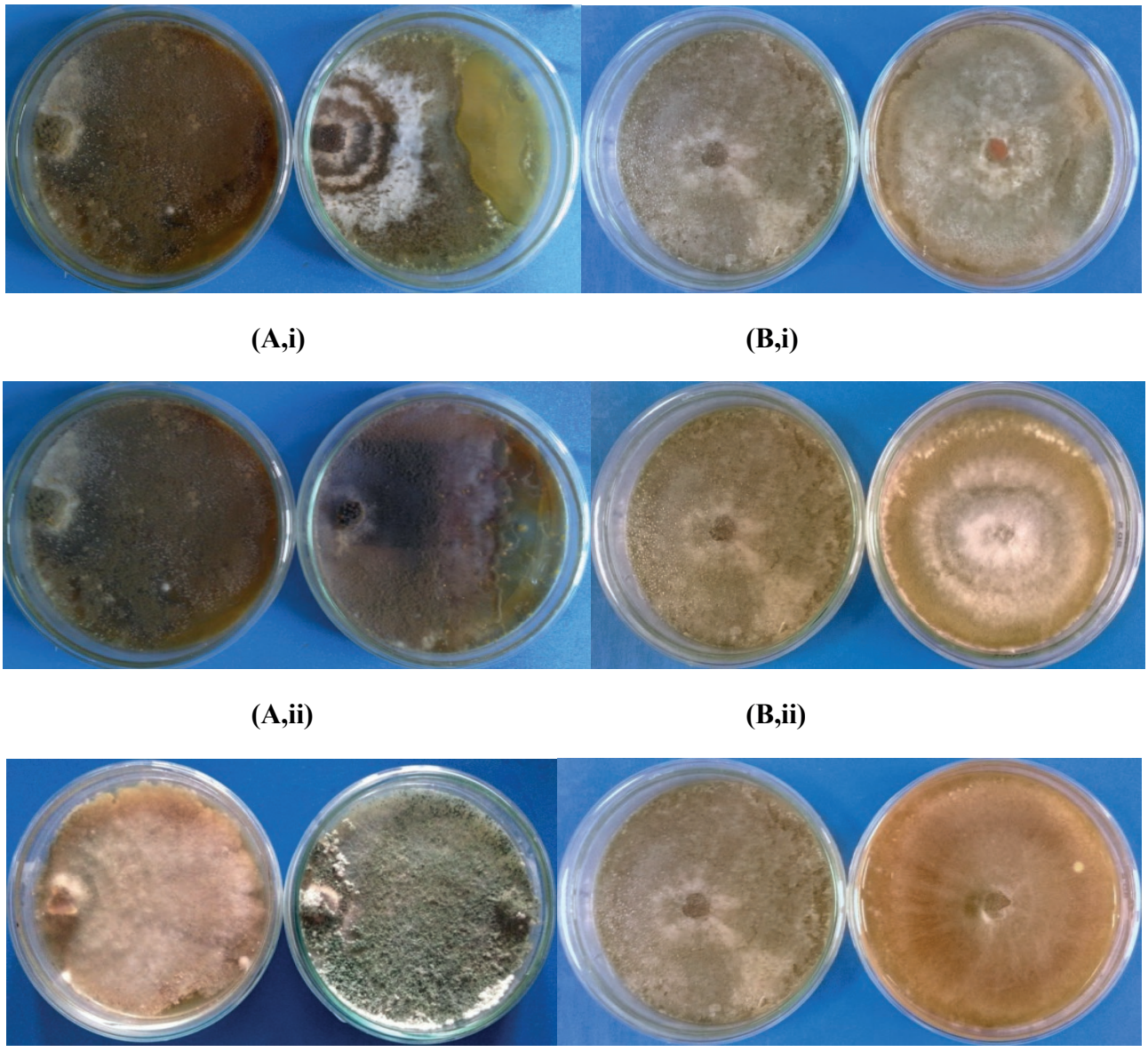
Supplementary Figure 1. Antagonism of the candidate biocontrol strains against *Fusarium oxysporum* f. sp. *lycospersici* (*Fol*) in dual culture assays. (A) BsS2BC-1, (B) PpTS-1, (C) ThS17TH and (D) CgCG-A.



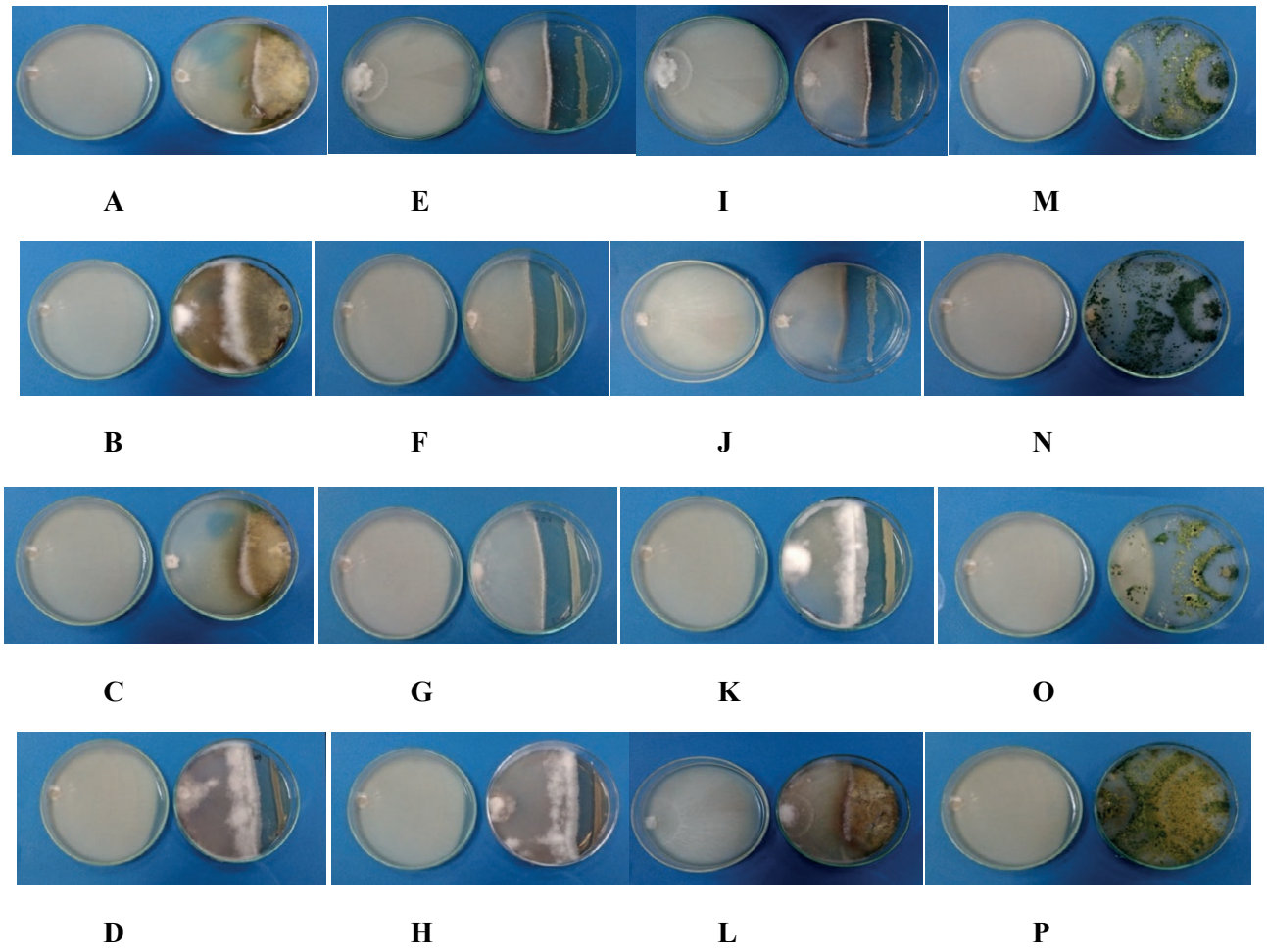
Supplementary Figure 2. Antagonism of the candidate biocontrol strains against *Fuarium oxysporum* f. sp. *lycospersici* (*Fol*) in cell free culture filtrate (10%) assays. (i) ThS17TH, (ii) BsS2BC-1, (iii) PpTS-1 and (iv) CgCG-A.



Supplementary Figure 3. *In vitro* interactions of ThS17TH with (i) BsS2BC-1; (ii) PpTS-1, and (iii) CgCG-A in (A) dual culture and (B) cell-free culture filtrate assays.



Supplementary Figure 4. *In vitro* interactions of CgCG-A with (i) BsS2BC-1; (ii) PpTS-1, and (iii) ThS17TH in (A) dual culture and (B) cell-free culture filtrate assays.



Supplementary Figure 5. Cell-free filtrate (10%) assays for antagonism of each of the biocontrol strains microbes against *Fol* in the presence of extracellular metabolites of the other biocontrol strains. A-D are BsS2BC-1 vs *Fol* in the presence of CFC filtrates of ThS17TH, CgCG-A, & PpTS-1, respectively, PDA alone-control; E-H are TEPF vs FOL in the presence of CFC filtrates of ThS17TH, CgCG-A, & BsS2BC-1, respectively, PDA alone-control; I-L are CgCG-A vs FOL in the presence of CFC filtrates of ThS17TH, BsS2BC-1, and PpTS-1, respectively, PDA alone-control; M-P are ThS17TH vs FOL in the presence of CFC filtrates of CgCG-A, BsS2BC-1 & PpTS-1, respectively, PDA alone-control.

Supplementary Figure 6. Polyhouse evaluation of biocontrol agents for the management of Fusarium wilt of tomato. (A) overview (B) shoot growth and (C) root growth of best performing biocontrol treatments; (i) untreated control; (ii) pathogenic control; (iii) carbendazim (0.1%); (iv) CgCG-A; (v) BsS2BC-1+PpTS-1+CgCG-A; (vi) BsS2BC-1+ CgCG-A+ThS17TH; (vii) PpTS-1+CgCG-A+ThS17TH; (viii) BsS2BC-1+PpTS-1+ThS17TH+ CgCG-A; (ix) BsS2BC-1+ PpTS-1+ThS17TH.