

Supplementary Figures

Evaluation of Bacterial Consortium and Optimization of Growth Parameters for Effective Decolorization of Azo Dye Reactive Red 120

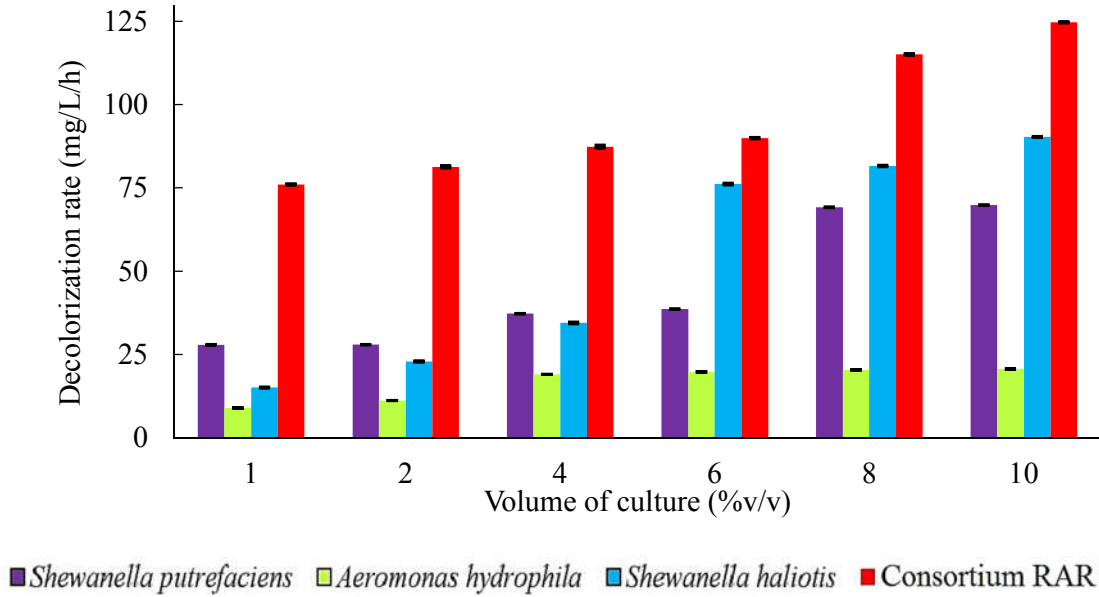


Figure 1. Comparison of the effect of inoculum size of individual isolates and consortium RAR on the decolorization of RR120

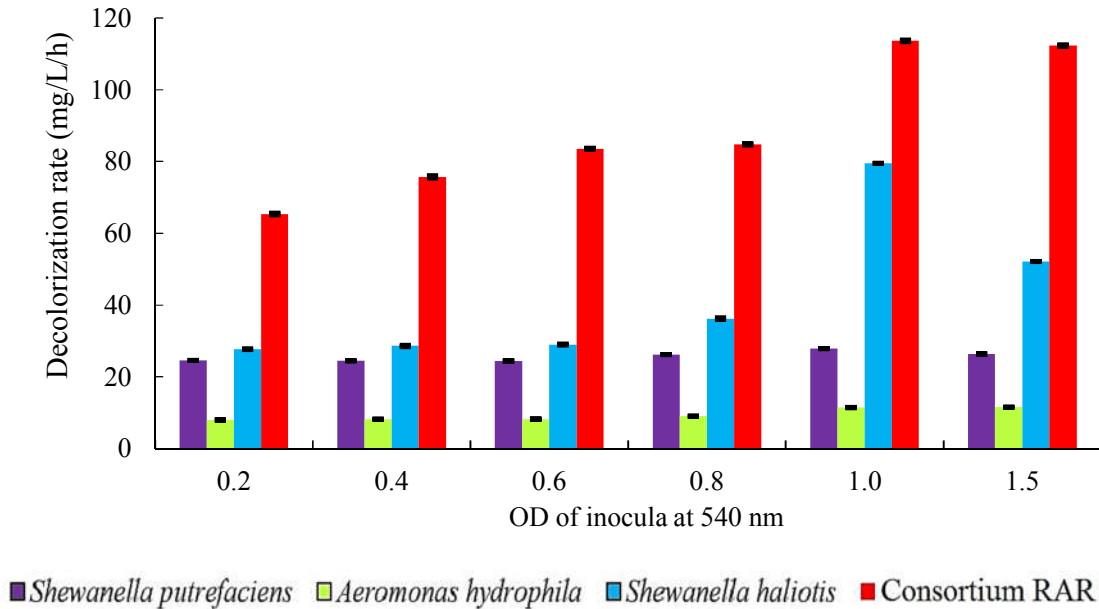


Figure 2. Comparison of the effect of inoculum density of individual isolates and RAR on the decolorization of RR120

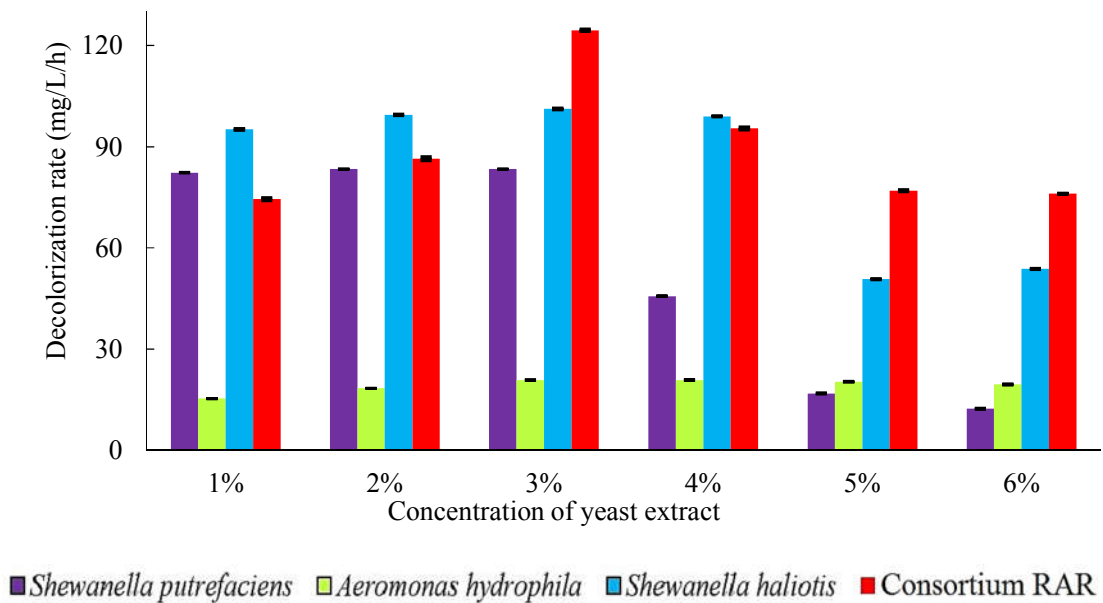


Figure 3. Comparison of the effect of varied concentrations of yeast extract on RR120 decolorization by individual isolates and consortium RAR

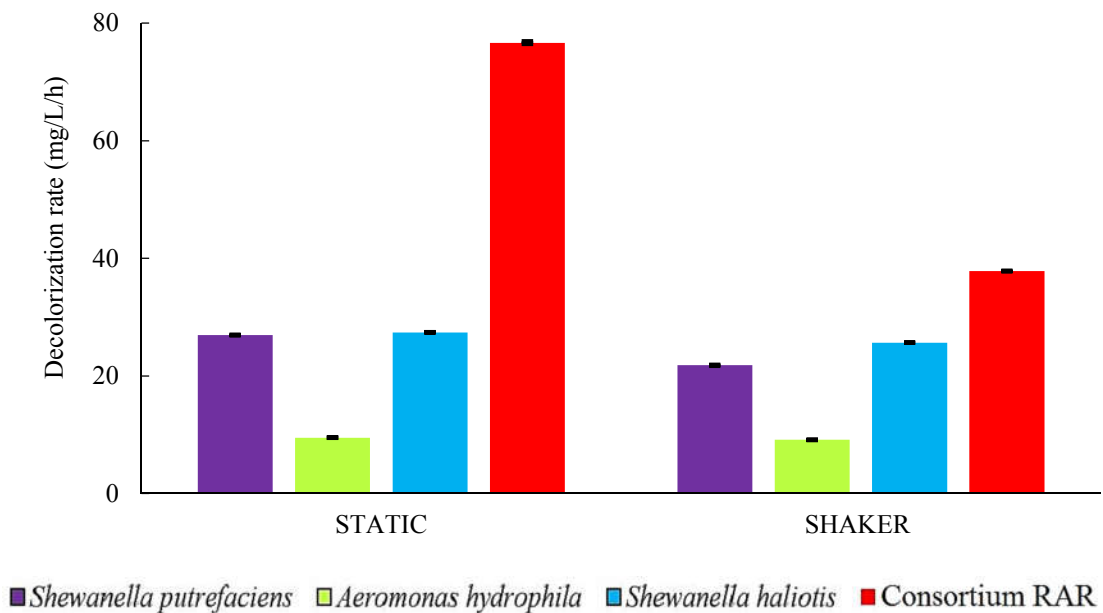


Figure 4. Comparison of effect of aeration on decolorization of RR120 by individual isolates and RAR

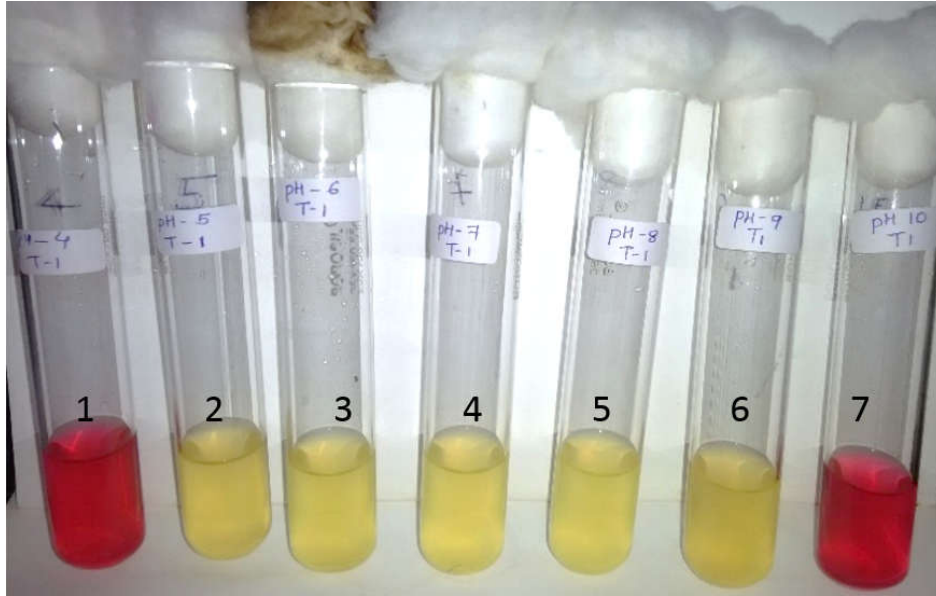


Figure 5. Decolorization of RR120 in 3% YE medium by consortium RAR under various pH conditions after 24h

The above figure shows extent of decolorization of RR120 in Tube 1-7 adjusted to pH 4.0-10.0 respectively

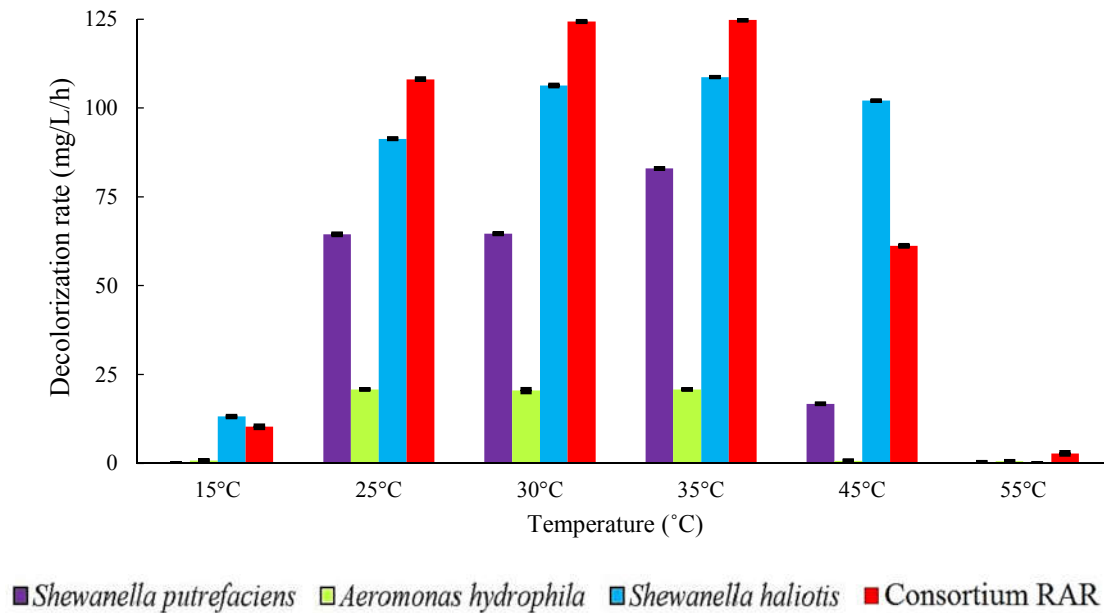


Figure 6. Comparison of the effect of temperature on the decolorization of RR120 by individual isolates and RAR

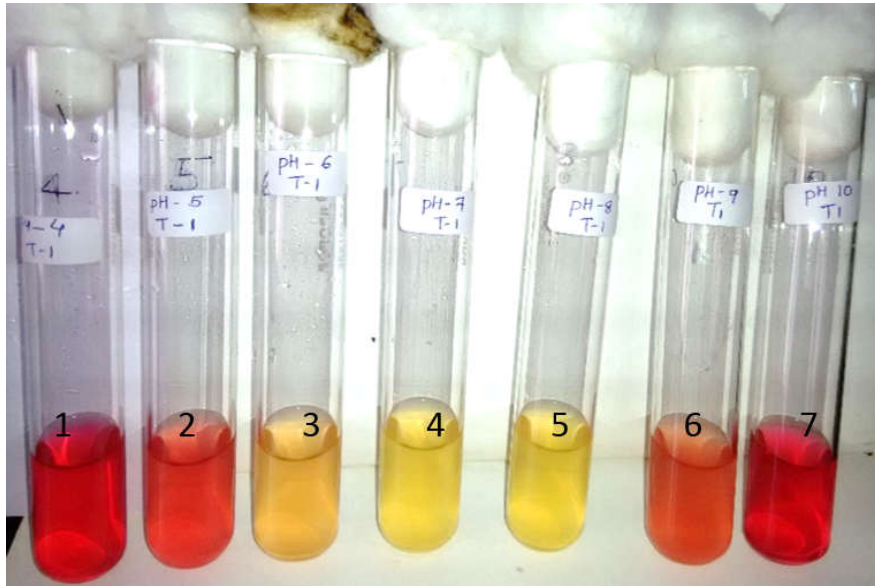


Figure 7. Decolorization of RR120 in 3% YE medium by consortium RAR under various pH conditions after 2.5h

The above figure shows extent of decolorization of RR120 in Tube 1-7 adjusted to pH 4.0-10.0 respectively

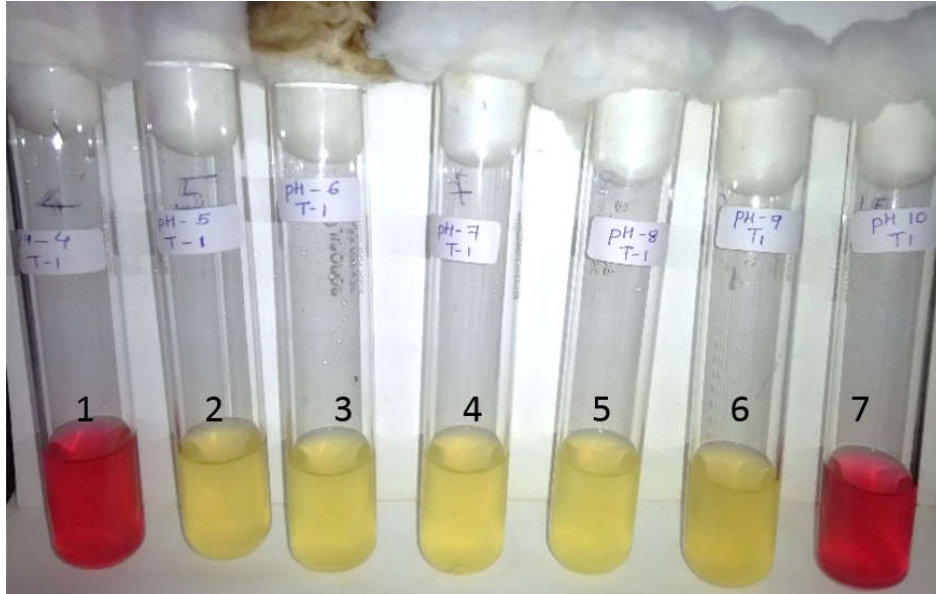


Figure 8. Decolorization of RR120 in 3% YE medium by consortium RAR under various pH conditions after 24h

The above figure shows extent of decolorization of RR120 in Tube 1-7 adjusted to pH 4.0-10.0 respectively

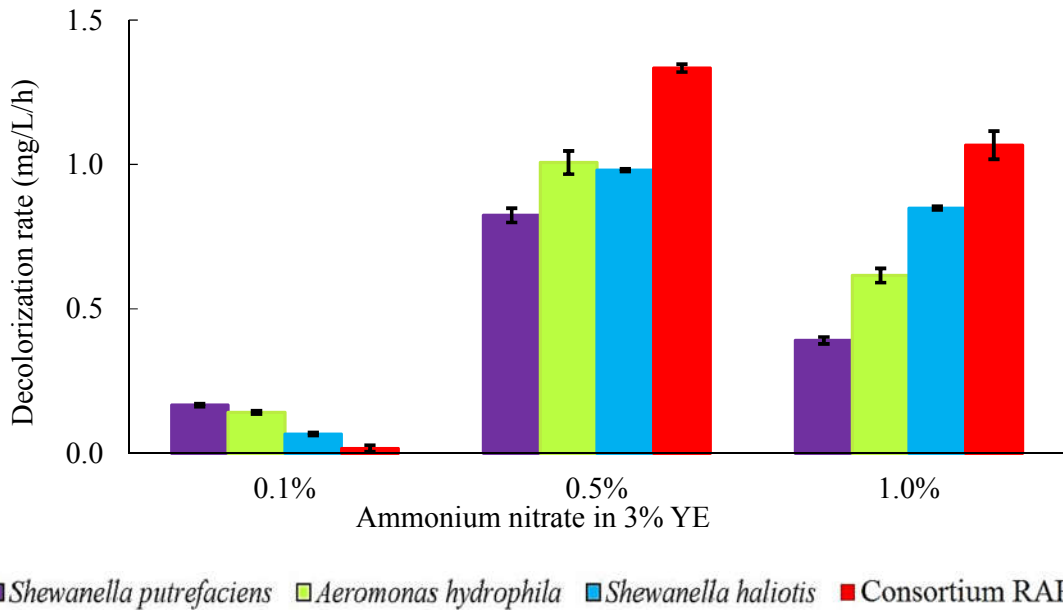


Figure 9. Comparison of the effect of ammonium nitrate on the decolorization of RR120 by consortium RAR and individual isolates

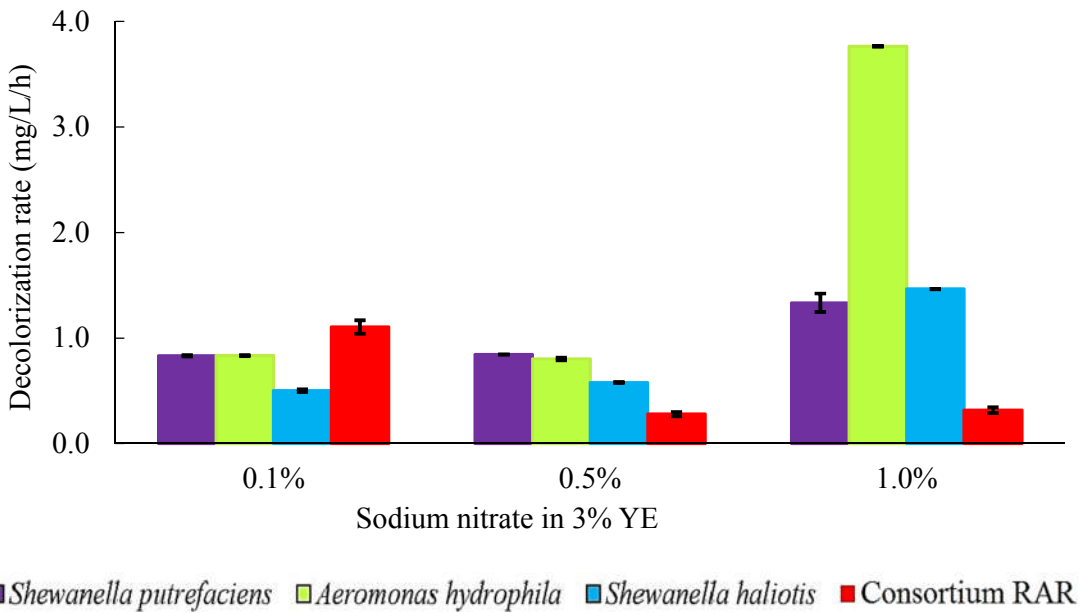
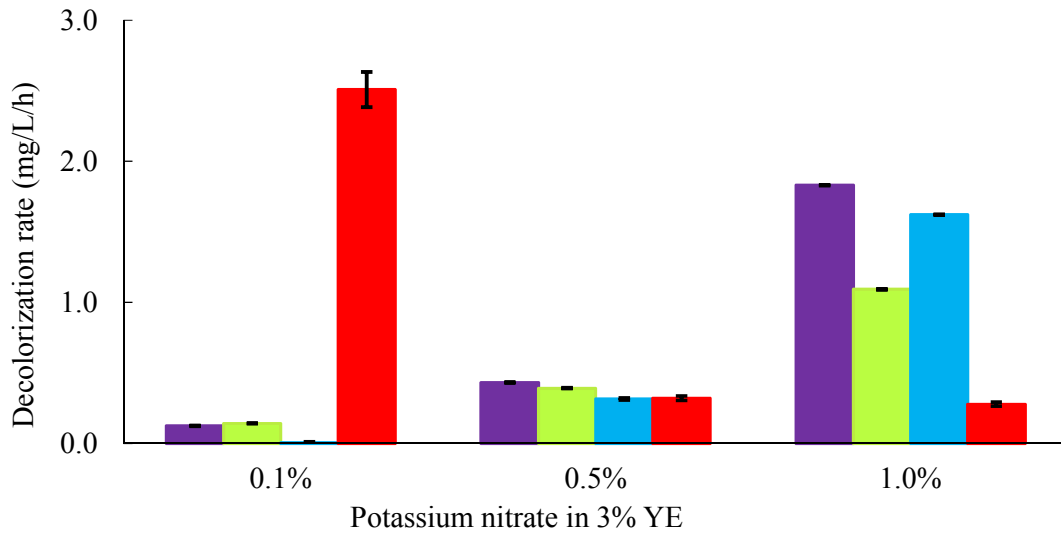
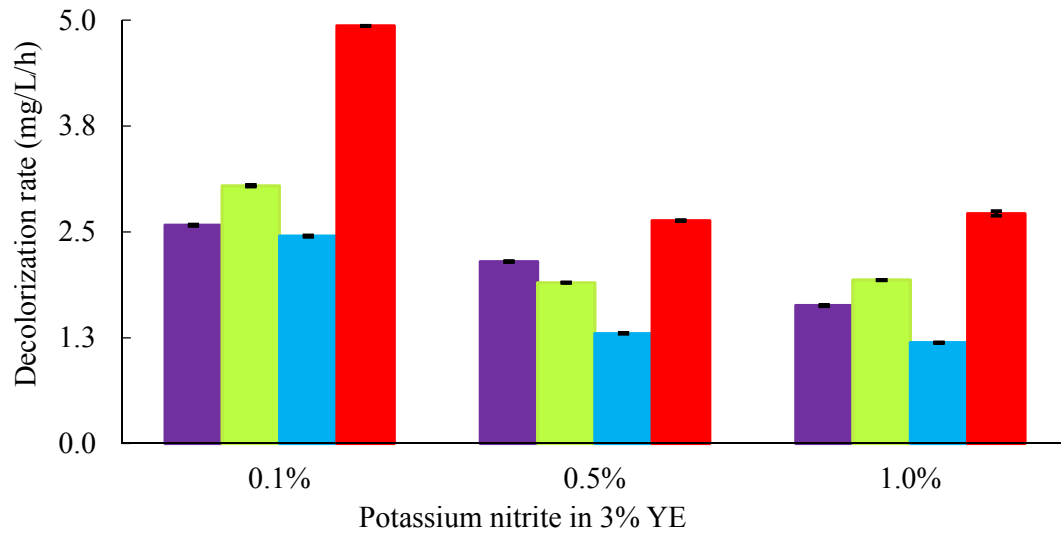


Figure 10. Comparison of the effect of sodium nitrate on the decolorization of RR120 by consortium RAR and individual isolates



■ *Shewanella putrefaciens* ■ *Aeromonas hydrophila* ■ *Shewanella haliotis* ■ Consortium RAR

Figure 11. Comparison of the effect of potassium nitrate on the decolorization of RR120 by consortium RAR and individual isolates



■ *Shewanella putrefaciens* ■ *Aeromonas hydrophila* ■ *Shewanella haliotis* ■ Consortium RAR

Figure 12. Comparison of the effect of potassium nitrite on the decolorization of RR120 by consortium RAR and individual isolates

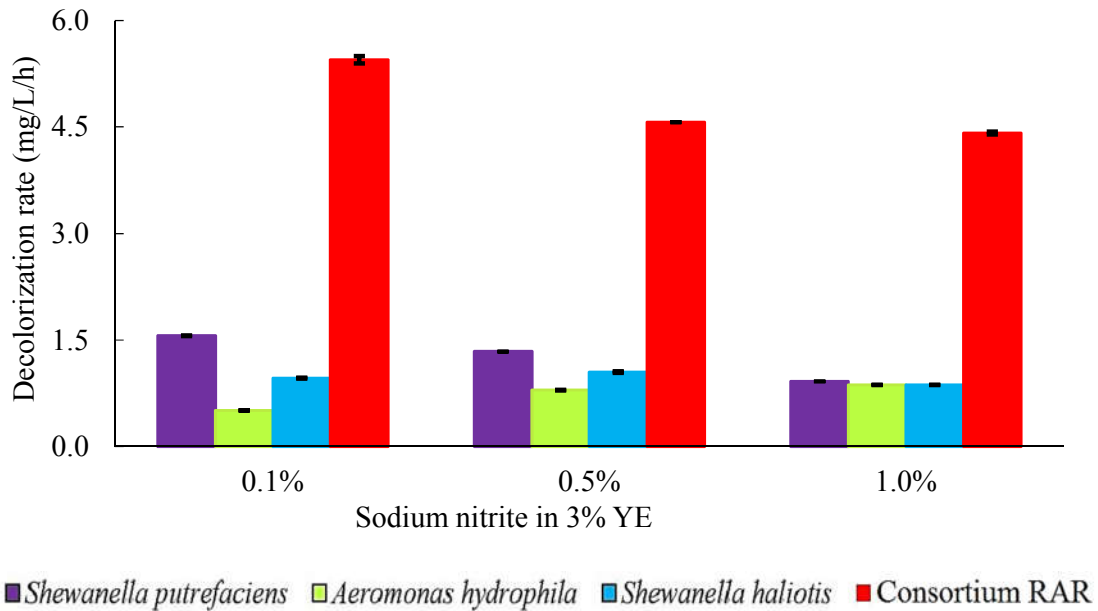


Figure 13. Comparison of the effect of sodium nitrite on the decolorization of RR120 by consortium RAR and individual isolates

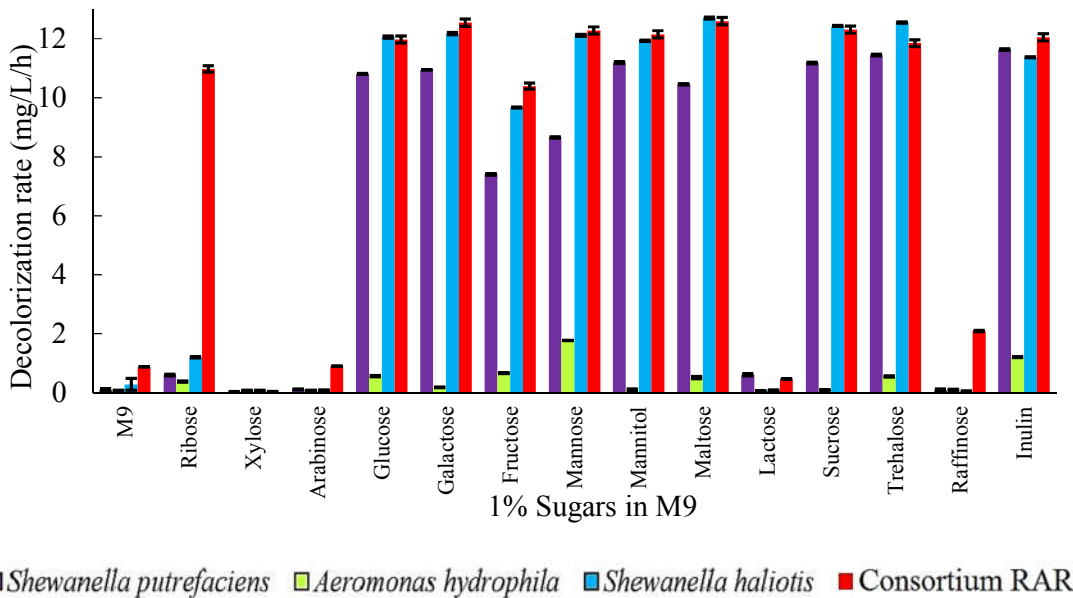
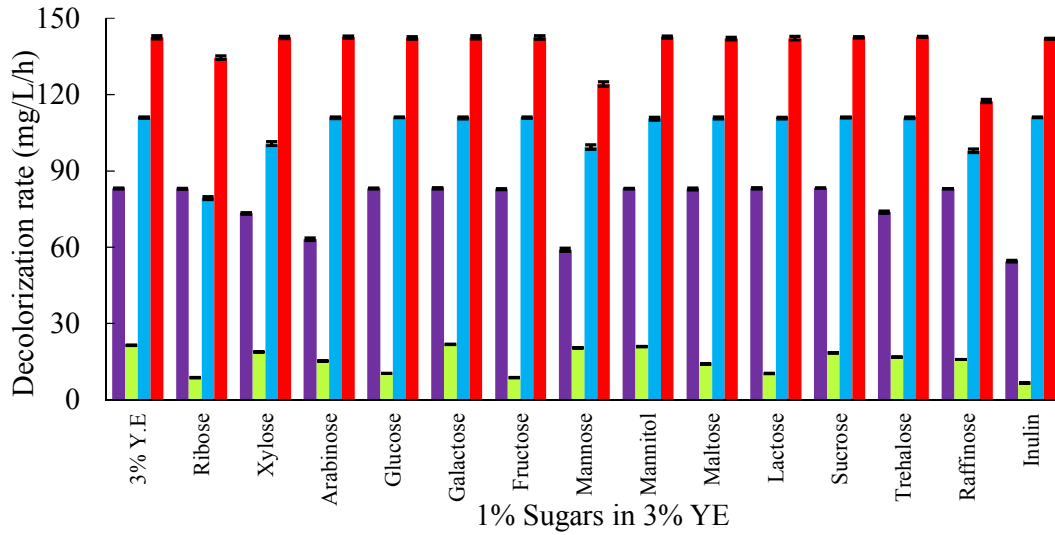
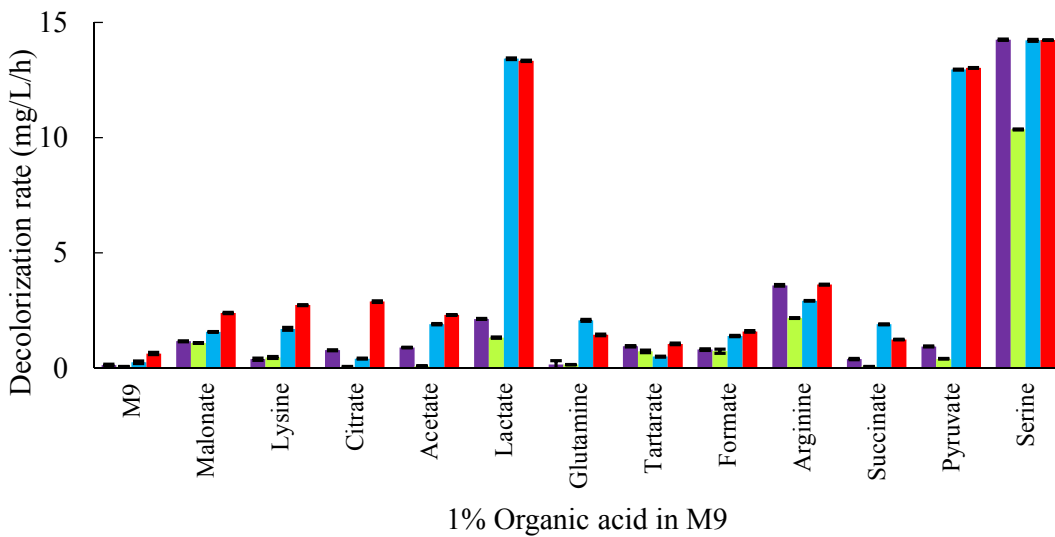


Figure 14. Comparison of the effect of various sugars as cosubstrates / electron donors in M9 medium on RR120 decolorization by the individual isolates and RAR



■ *Shewanella putrefaciens* ■ *Aeromonas hydrophila* ■ *Shewanella haliotis* ■ Consortium RAR

Figure 15. Comparison of the effect of various sugars as cosubstrates / electron donors in 3% YE on RR120 decolorization by the individual isolates and RAR



■ *Shewanella putrefaciens* ■ *Aeromonas hydrophila* ■ *Shewanella haliotis* ■ Consortium RAR

Figure 16. Comparison of the effect of various organic acids and amino acids as sole cosubstrates / electron donors in M-9 medium on RR120 decolorization by the individual isolates and consortium RAR

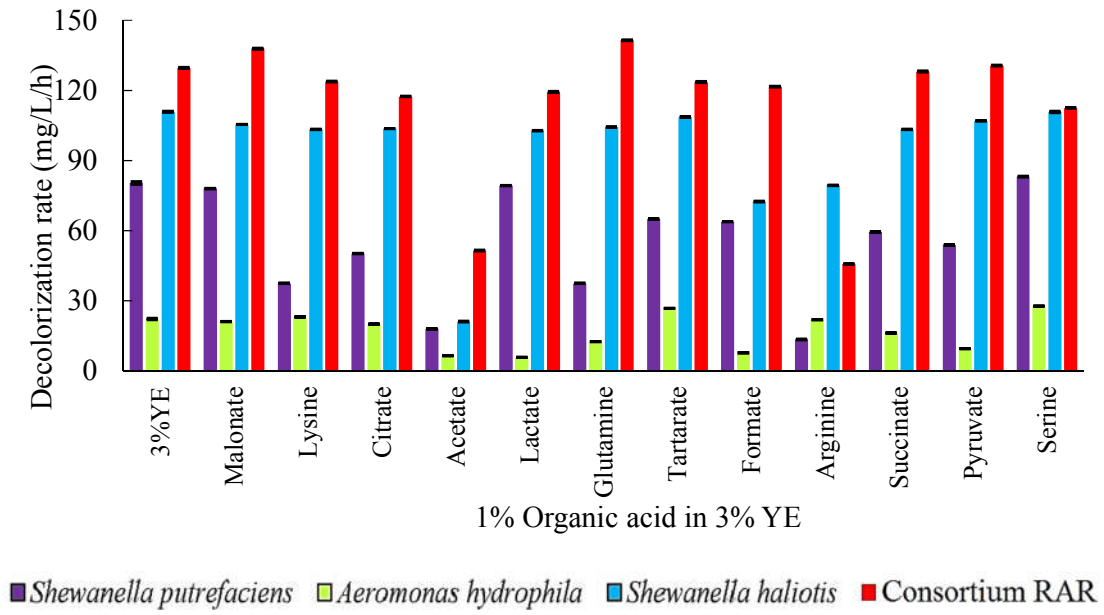


Figure 17. Comparison of the effect of various organic acids and amino acids as cosubstrates/electron donors in 3% YE on RR120 decolorization by the individual isolates and RAR

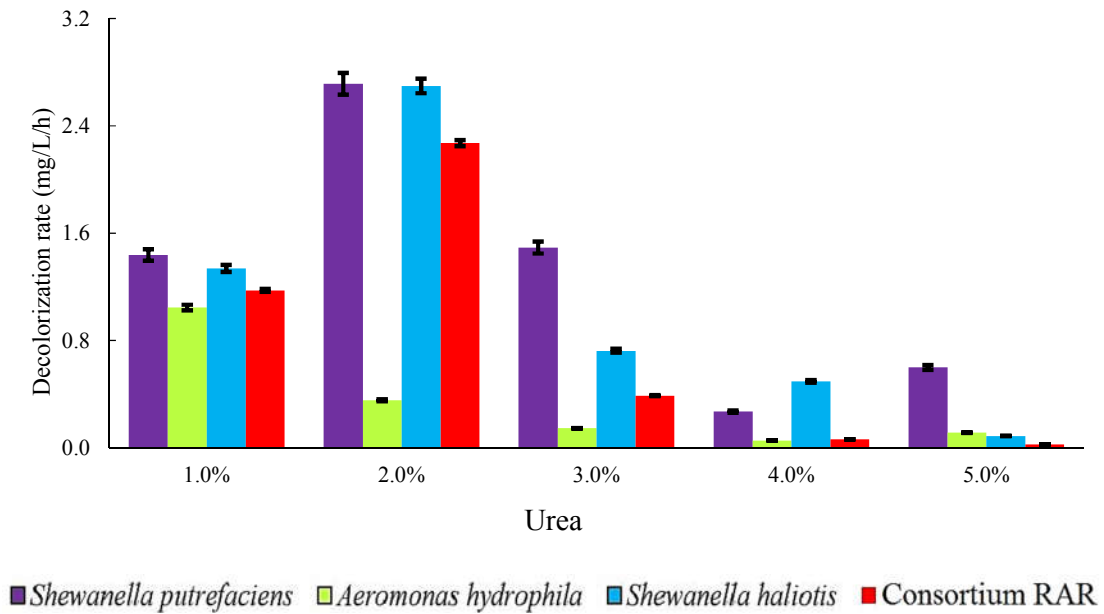
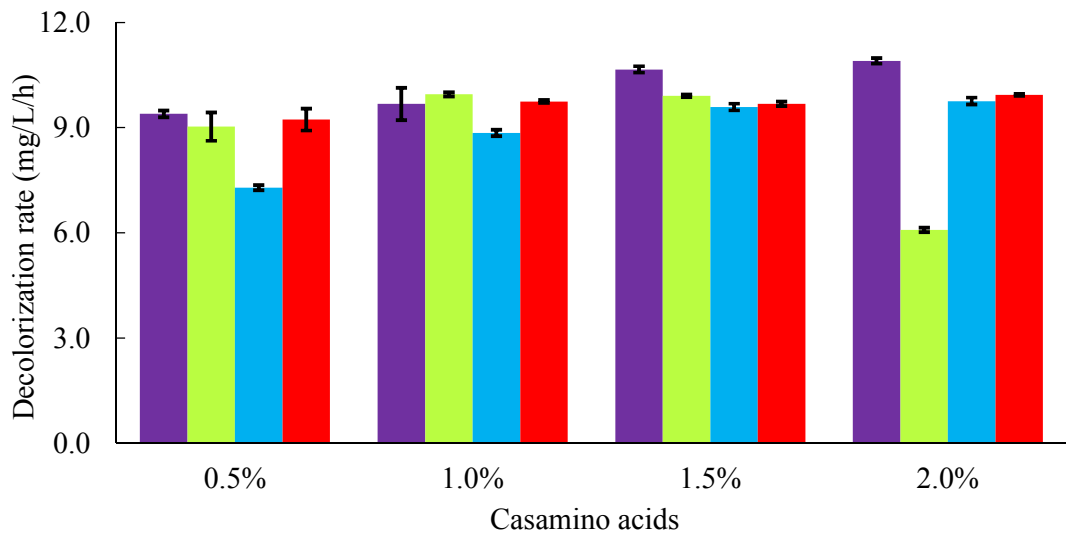
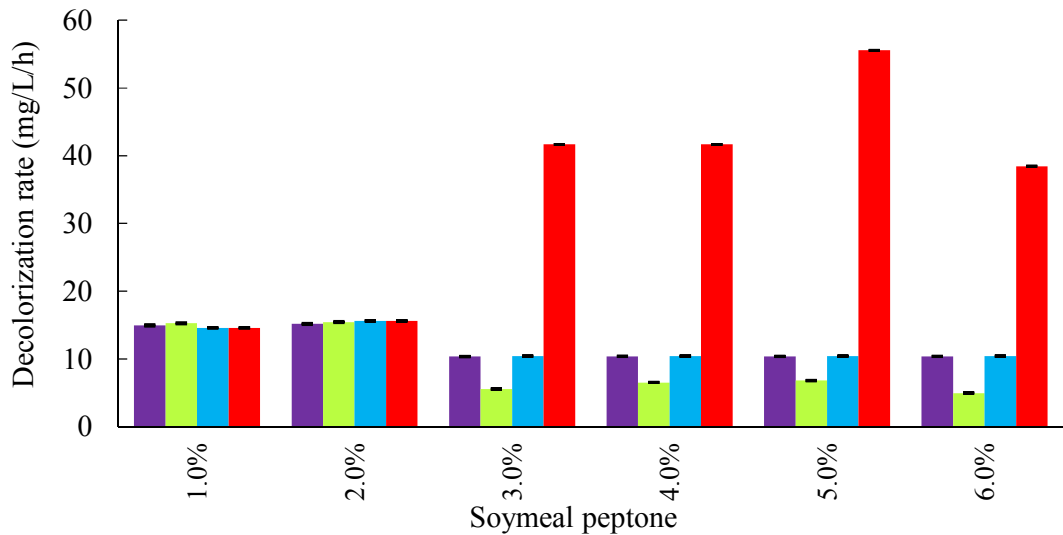


Figure 18. Comparison of the effect of various concentrations of urea on RR120 decolorization by the individual isolates and RAR



■ *Shewanella putrefaciens* ■ *Aeromonas hydrophila* ■ *Shewanella haliotis* ■ Consortium RAR

Figure 19. Comparison of the effect of various concentrations of casamino acids on the decolorization of RR120 by the individual isolates and consortium RAR



■ *Shewanella putrefaciens* ■ *Aeromonas hydrophila* ■ *Shewanella haliotis* ■ Consortium RAR

Figure 20. Comparison of the effect of various concentrations of soymeal peptone on RR120 decolorization by the individual isolates and RAR