Future Perspectives
This study has offered an insight into the response of siderophore producing bacteria to aromatic compound sodium benzoate and to metal ions. Present work can be extended to natural ecosystems exposed to influx of such pollutants. Inoculation with metal-resistant siderophore producing bacteria may help in improving the process of phytoextraction in metal contaminated soils.

It would be desired to apply these two isolates in field trials to study their effect on plant growth promotion as this study has evidently proved presence of plant growth promoting activities in these two organisms. Moreover, it would be interesting to probe deeper into the results of the present studies and following points are suggested for further investigation:

1) Effect of iron limitation on the enzymes involved in utilization of sodium benzoate in \( P. \) aeruginosa TMR2.13.

2) Role of siderophore in metal resistance in \( B. \) amyloliquefaciens NAR38.1.

3) Mechanism of action of siderophore as an antibiotic.