CHAPTER 6

FUTURE WORK

In this study, the experiments were carried out for subsonic, sonic and sonic underexpanded jets. Further investigations could be carried out for supersonic underexpanded, correctly expanded and overexpanded jets using same tab configurations.

Perforated tabs with more edges and corners could be studied for further investigation in subsonic, sonic and supersonic jets to find the better mixing promoter.

The literature indicates that corrugated tabs are beneficial for promoting mixing in supersonic jets, thus corrugated tabs in combination with perforation can be tested for further investigation.

Recently papers have been published on truncated tabs. These tabs were found to be efficient mixing promoters due to shedding of non uniform vortices. Introducing perforation to these tabs could be tested for enhancement as a mixing promoter.

Experiments can be carried out on nozzle with extended lip with multi perforations on the lip surface for ability of mixing enhancement. Also, tabs with multi perforation can be in investigated.