

CHAPTER V

CONCLUSIONS AND RECOMMENDATIONS

Porous carbon xerogel was successfully synthesized via soft templating method by using polybenzoxazine as carbon precursor and triblock copolymer Pluronic P123 as a soft template. The morphology of resulting carbon can be designed by adjusting the concentration of the template. Moreover, we can increase the specific surface area of carbon xerogel by activation process at 900 °C in CO₂ atmosphere.

We should study the influence of different type of solvent and surfactant in order to understand the formation of micelle, and evolution of carbon's morphology.