

Figure List

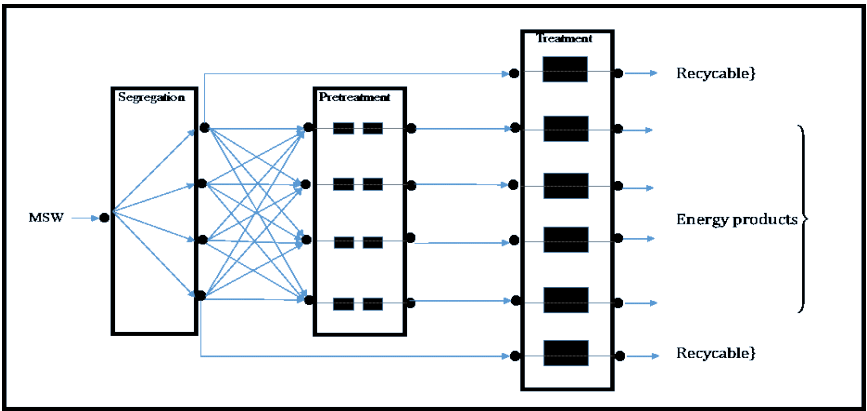


Figure1: MSW treatment network representation.

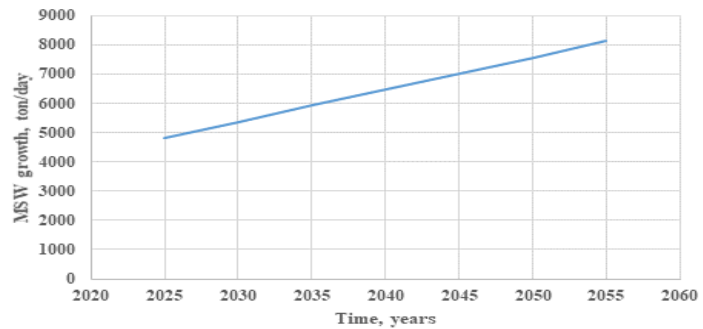


Figure 2: MSW expected growth for Abu Dhabi under the time frame of 2025-2055.

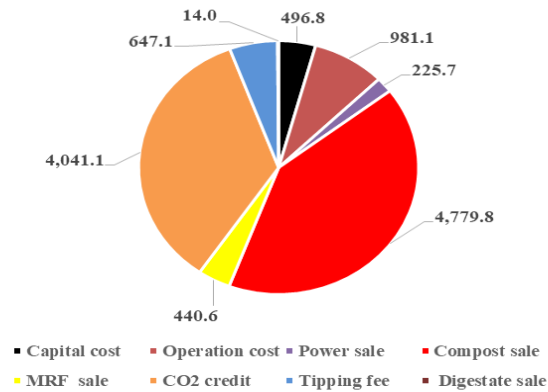


Figure 3: Profit and cost distributions in millions of the treatment network under the economic objective condition.

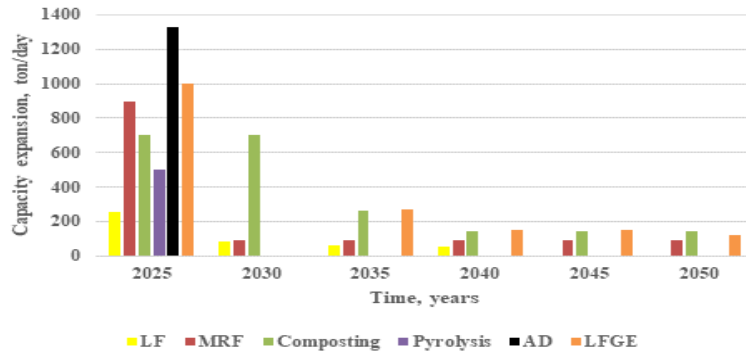


Figure 4: optimal capacity expansion of the selected treatment technologies under the economic objective.

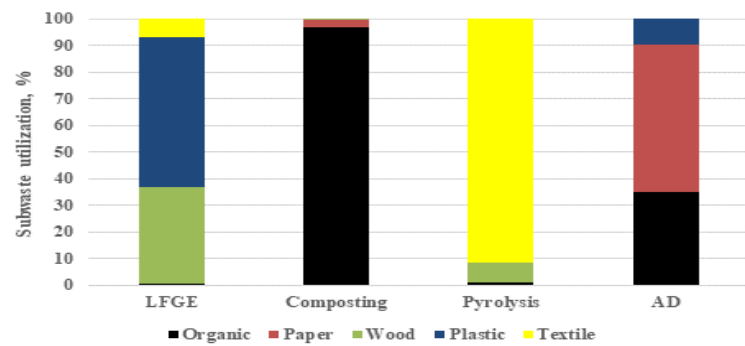


Figure 5: MSW components allocation for the optimal treatment technologies under the economic objective.

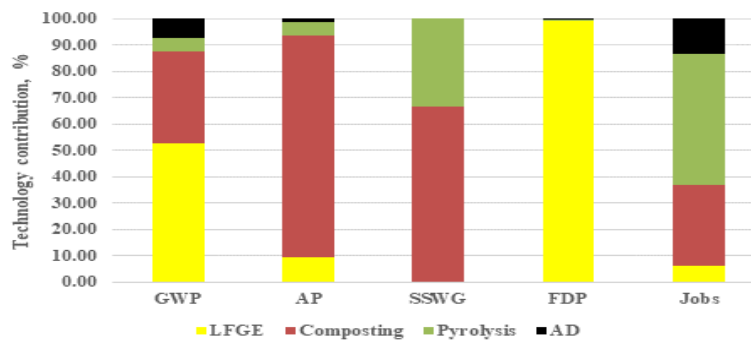


Figure 6: Environmental and social impacts for the MSW treatment technologies under the economic objective.

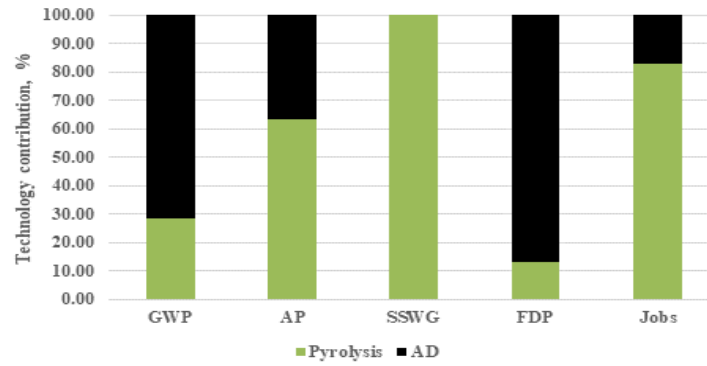


Figure 7: Optimal results for the environmental and social impacts under the environmental objective.

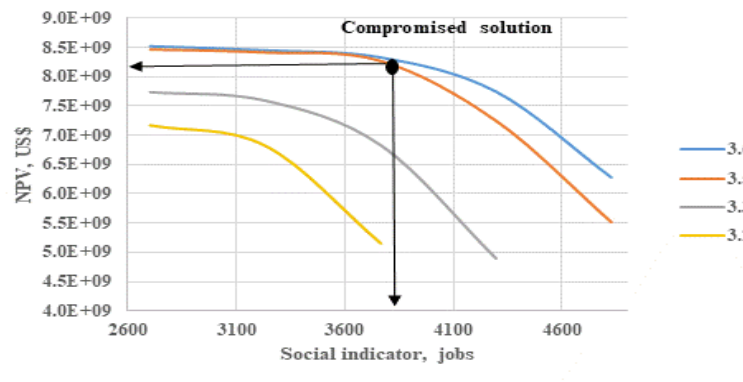
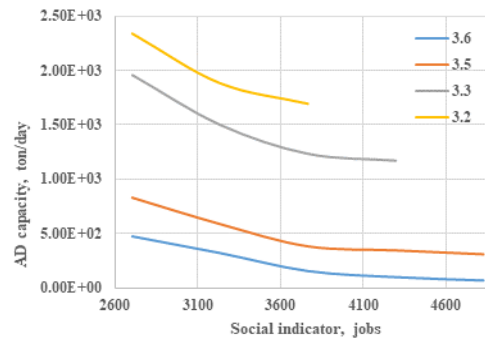
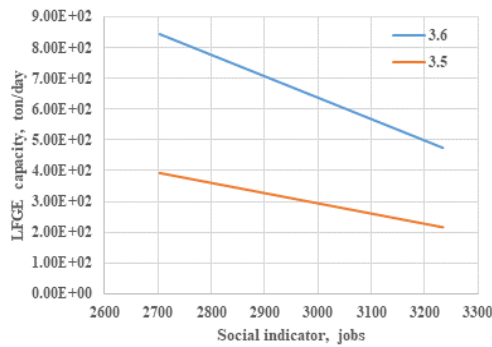


Figure 8: Variations of the NPV within the efficient ranges of the environmental and social objective functions.



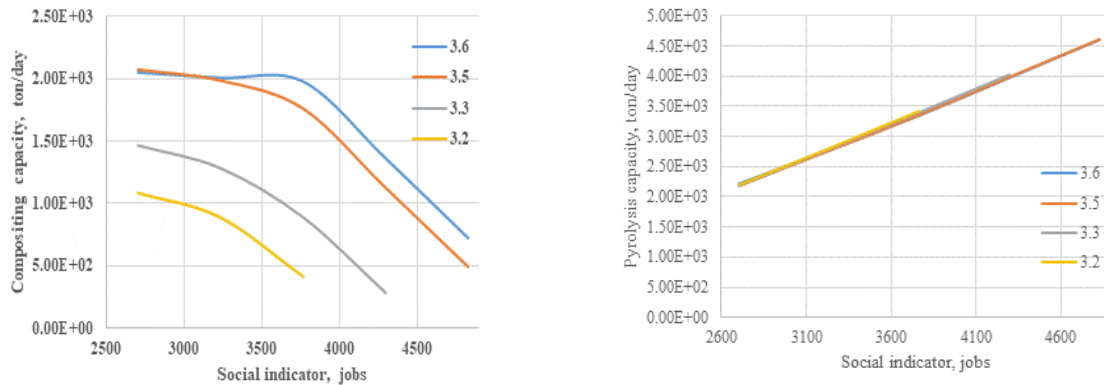


Figure 9: Optimal selected capacities for the treatment technologies under different environmental and social impacts.