

Contents

Abstract	v
Chapter 1. Introduction	1
Chapter 2. Objectives and thesis outline	35
Chapter 3. Evolution of chemical composition and gas emission from aged pig slurry during outdoor storage with and without prior solid separation	39
Chapter 4. The inhibiting effect of sulfate on thermophilic anaerobic digestion of cattle and pig waste slurry	65
Chapter 5. Process performance of anaerobic co-digestion of raw and acidified pig slurry	95
Chapter 6. Microbial examination of anaerobic sludge adaptation to pig slurry	123
Chapter 7. Start-up strategies for thermophilic anaerobic digestion of pig slurry	155
Chapter 8. General discussion	185
Chapter 9. Conclusions	207