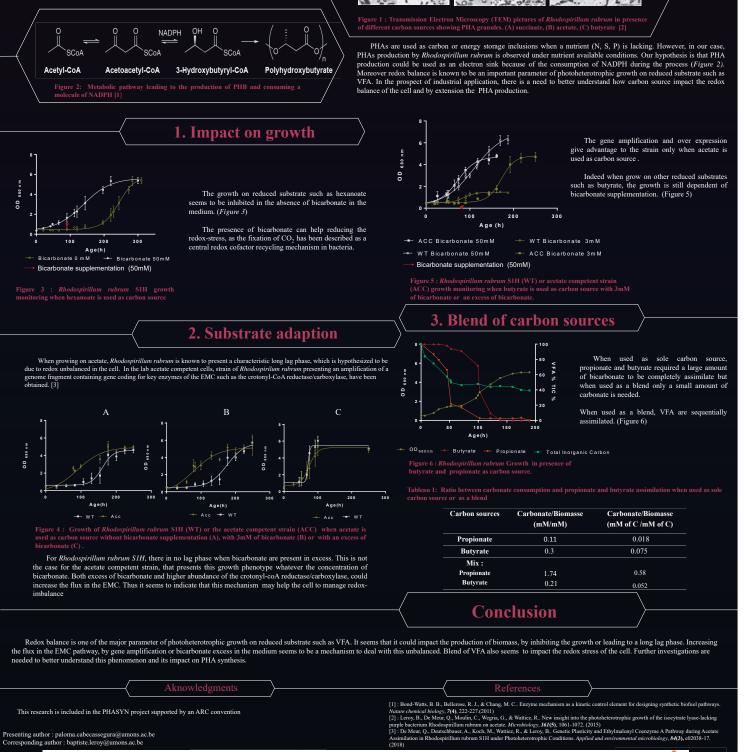
## Impact of redox stress on the growth of Rhodospirillum rubrum S1H

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## Introduction

Rhodospirillum rubrum is an a-proteobacteria that is known for its great metabolic versatility. Purple non-sulfur bacteria are well-studied for their ability to grow under photoheterotrophic conditions Furple non-sum observation as weights and the mean solution to grow under photonecedone control on using energy from light and various volatile fatty acids (VFAs) as carbon and electron sources. Our previous studies revealed a production of polyhydroxyalkanoates (PHAs) when different VFA are used as carbon sources (*Figure* 1). PHA are bio-sourced, biodegradable polymers that could be used to replace traditional oil-based plastics.



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