

**DEVELOPMENT OF CARBOXYLIC ACID-MODIFIED TITANIUM  
DIOXIDE PARTICLES FOR USE AS PHOTOCATALYSTS**

**SONGPON NGAMTA**

**MASTER OF SCIENCE  
IN CHEMISTRY**

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**THE GRADUATE SCHOOL  
CHIANG MAI UNIVERSITY**

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**A THESIS SUBMITTED TO THE GRADUATE SCHOOL IN  
PARTIAL FULFILLMENT OF THE REQUIREMENTS**

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THIS THESIS HAS BEEN APPROVED  
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