



Department of Chemical Engineering

Universitat Rovira i Virgili

Spain

Nanomaterials in Catalysis

Study of Model Reactions

Thesis submitted by

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to obtain the degree of

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Certify: That the doctoral thesis entitled “Nanomaterials in Catalysis: Study of Model Reactions” by RICARDO JOSÉ CHIMENTÃO to obtain the degree of doctor from the Universitat Rovira I Virgili has been carried out under our supervision in the Department of Chemical Engineering of the Universitat Rovira i Virgili.

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To my beloved parents

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