Project Title

# Curriculum …

# Research Theme: choose from the call

# Author: …..

This is a template for the Research Project that **must** be presented to apply for the PhD program in Science and Technologies of Chemistry and Materials offered by the University of Genoa.

Please note that the Research Project, which should be pertinent to the Research Theme you are applying for, will be used by the Selection Committee to evaluate your attitude and capacity to approach the scientific research in the fields of chemistry and material science. Your actual PhD project, if you get the position, will be defined along with your Tutor.

The Research Project proposal **must** have a **maximum length of 5 pages**, and should not coincide with your master thesis project.

Please keep the formatting style and the structure of this document (subsections are allowed if needed).

Description text and all part highlighted in yellow should be removed before submission.

## **MOTIVATION AND RATIONALE**

Place the proposed research within the setting of the Research Theme that you have selected. Briefly explain how the Research Project and the chosen Research Theme are related.

What is the problem addressed by your project?

Why is it significant?

## **STATE OF THE ART**

Describe the state of the art which is relevant for this research proposal.

What results or techniques you plan to exploit?

What is needed to go beyond the current state of the art?

## **OBJECTIVES**

Please clearly state the general objectives of your research.

## **METHODOLOGY**

Discuss methods, lab techniques, major equipment, analytical and computational tools that will be necessary to pursue the research objectives.

Discuss whether the necessary techniques are compatible with your current background and specify whether you will need specific training.

## **EXPECTED RESULTS**

Here list the results you expect to achieve within the 3-years PhD program.

Explain why these will result in a substantial advancement of science and/or technology.

Speculate about the possible benefits of your intended research for society in general.

Who will likely benefit from your research, at least in perspective?

## **TENTATIVE WORKPLAN**

Please try to formulate a workplan of your research project. Identify intermediate goals and crucial milestones (which are the key results to be achieved to successfully complete your PhD project).

Please bear in mind that this PhD program has a duration of 3 years.

## **BIBLIOGRAPHY**

Only list the bibliographic references that are strictly relevant for describing the research proposal. All references should correspond to a citation in the text.