Course offered by the PhD program
in Civil, Chemical and Environmental Engineering
a.y. 2026/2027 (42 cycle)
(course is open for participation of students from other PhD cycles or programs)

1. Title
Catalysts and Adsorbents

2. Course Objectives and Description
The course, held in English, describes the main families of catalysts and adsorbents applied in industrial and environmental chemistry and the nature of their behavior. Insight will be provided on materials properties, technologies and interactions at molecular level, with special focus on organo-inorganic composite materials.

3. Course Organization
The course consists of classroom lessons.

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4. Teacher
The course teachers will be Prof. Gabriella Garbarino (9 hours) and Prof. Elisabetta Finocchio (6 hours).

5. Duration and credits
The course (15 hours) will consist of 5 lessons, 3 hours each, for a total of 3 credits.

6. Activation mode and teaching period
The course will be held during the period January-February 2027. Please contact the teachers: Gabriella Garbarino, Gabriella.Garbarino@unige.it, Elisabetta Finocchio, Elisabetta.Finocchio@unige.it

7. Deadline for registration
Deadline for registration 15th December 2026. Application: email message to the teacher Gabriella Garbarino, Gabriella.Garbarino@unige.it, Elisabetta Finocchio, Elisabetta.Finocchio@unige.it

8. Final exam
Course participants will take an oral exam, by appointment with the teachers. The exam will be focused on a discussion on the topics covered during the course.