



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

DEPARTMENT
OF INDUSTRIAL CHEMISTRY
"TOSO MONTANARI"



2nd year project meeting

Bologna- 05/04/2024

Department of Industrial Chemistry "Toso Montanari", new Navile scientific campus, Via della Beverara 123/1, room 1E, UE1

- 09:00 – 09:15: **Welcome greetings** of the head of the Industrial Chemistry Department "Toso Montanari", prof. Andrea Mazzanti.

LEVANTE project general overview, goals already achieved and next steps

- 09:15 – 09:30: Claudia Antonetti (PI), UNIPI – Project Overview, Hydrochars Preparation, DPA Synthesis
- 09:30 – 09:40: Vincenzo Russo, UNINA – Ketals Synthesis, Kinetics Studies, Flow Chemistry Scale-Up
- 09:40 – 09:50: Nicola Scotti, SCITEC-MI– Catalyst Design, Batch GVL-RP Production
- 09:50 – 10:00: Tommaso Tabanelli, UNIBO – Catalyst Design, Flow GVL-RP Production
- 10:00 – 10:10: Raffaele Cucciniello, UNISA – LCA Evaluation of LEVANTE Synthetic Routes
- 10:10 – 10:30: Coffee break

Work Packages (WP) main results (20 min each including questions)

- 10:30 – 10:50: Benedetta Bertini, UNIPI – "Synthesis of diphenolic acid and its derivatives under heterogeneous catalysis in the perspective of green chemistry"
- 10:50 – 11:10: Francesco Taddeo, UNINA – "Ethyl levulinate ketalization with glycerol: from batch to continuous operation"
- 11:10 – 11:30: Leandro Ardemani, SCITEC-MI – "Catalytic transfer hydrogenation of levulinic esters to γ -valerolactone using ZrO_2 -modified oxides"
- 11:30 – 11:50: Luca Visentin, UNIBO – "Beyond γ -valerolactone: from levulinates to C5 and C7 esters through innovative continuous-flow processes in the gas phase"
- 11:50 – 12:10: Alessandra Sessa, UNISA – "DPA synthesis from levulinic acid in a life cycle perspective"
- 12:10 – 12:20: **Conclusion** of the social event and final remarks.

CATALYSIS FOR RENEWABLE AND INNOVATIVE PROCESSES GROUP

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