



RESEARCHITALY

Ricerca e innovazione a portata di click

Progetti di Rilevante Interesse Nazionale (**PRIN**)

Bando 2022 Progetto n° **20223R3ZPF**

**Title:**

Switching from petro- to bio-based chemistry: deoxydehydration reaction as versatile tool for the production of olefins from natural polyols

Duration

24 months

Main ERC field

PE - Physical Sciences and Engineering

ERC subfields

PE4_10 Heterogeneous catalysis

PE5_13 Homogeneous catalysis

PE4_12 Chemical reactions: mechanisms, dynamics, kinetics and catalytic reactions

Keywords

Rhenium

Deoxydehydration

Biomass valorization

Deoxygenation of natural polyols

Heterogeneous catalysis

Homogeneous catalysis



Partners del Progetto

Università G. d'Annunzio di Chieti-Pescara
Università de L'Aquila
Università di Cagliari
CNR di Trieste

Responsabile di unità operativa

Prof. Nicola d'Alessandro (Principal Investigator)
Prof. Marcello Crucianelli
Prof. Elisabetta Rombi
Dott. Simone Piccinin

Budget

Associated Investigator	item A.1	item A.2.1	item B	item C	item D	item E	sub-total	Total
D'ALESSANDRO Nicola	34.758	24.500	35.555	6.500	0	15.000	116.313	116.313
CRUCIANELLI Marcello	24.265	24.500	29.259	0	3.000	16.000	97.024	97.024
ROMBI Elisabetta	25.779	24.500	30.167	0	3.000	15.000	98.446	98.446
PICCININ Simone	33.100	0	19.860	0	0	3.000	55.960	55.960
Total	117.902	73.500	114.841	6.500	6.000	49.000	367.743	367.743



Rezione chimica coinvolta



