



**Andrea Porcheddu** studied chemistry at the University of Sassari and got his “*Laurea*” degree in Chemistry in 1995 with first-class honors. His diploma thesis dealt with synthesizing piperazic acid derivatives as CPP analogs, work carried out under the direction of Dr. Massimo Falorni. He then undertook doctoral research, designing novel strategies to use cyanuric chloride (TCT) in friendly organic processes under the supervision of Prof. Maurizio Taddei at the University of Sassari. He was awarded his Ph.D. in 1999. He completed post-doctoral studies (2000) in the group of Professor Charles Mioskowski at the Louis Pasteur University (Strasbourg, France), working on synthesizing quinuclidine derivatives. In 2001, he moved back to Sassari University, where he was appointed Assistant Professor. In January 2015, he joined the Chemistry Department of the University of Cagliari (Italy), where he currently has a permanent position as a Full Professor. His diverse experience ranges from preparing biomolecules, heterocyclic compounds, and chimera molecules possessing complex molecular architecture to environmentally friendlier alternatives for synthesis using the most advanced technologies such as solid-phase synthesis, combinatorial chemistry, green chemistry in eutectic solvents, microwaves, blu-LEDs, IR-Irradiation, and mechanochemical mixing. The second field of interest concerns the development of novel *Borrowing Hydrogen* and *Transfer Hydrogenation* strategies for making C-N bonds using tertiary amines or alcohols instead of more labile aldehydes by combining enabling technologies with non-conventional media. The scientific interests of Prof. Porcheddu are also focused on finding novel and highly efficient non-conventional catalysts (mainly Fe and Cu) and reagents for C-H bond activation to minimize waste production and energy consumption.

Currently, his main scientific interest covers the field of ball-milling chemistry with the main focus on value-added compounds for the industry and Active Pharmaceutical Ingredients (medicinal mechanochemistry)

It is devoted to studying non-conventional transformations in organic chemistry, which can reduce solvents, by-products, and wastes and be considered environmentally sustainable.

Prof. Porcheddu has authored 6-chapter books and is the author or co-author of more than 126 scientific publications in refereed international journals (H index, [Scopus](#) = 39).