

The project “Biodegradation of recalcitrant compounds from wastes and treatment technology for contaminated water and soil (RECAL)” is well fitted to the research lines from the Laboratory of Environmental Sanitation (LSA) from the Civil Engineering Department of UFPE. All researchers from LSA-UFPE are professors at the Civil Engineering Grad Program (Programa de Pós-graduação em Engenharia Civil - PPGEC) from UFPE and have been conducting researches on Environmental Technology since the beginning of the master’s program, in 1998, and of the PhD program, in 2000. The development of research projects in collaboration with institutions and research groups from abroad is a constant for the researchers from LSA-UFPE. It is translated in missions, in partnership for organizing workshops, in post-graduation students exchange, in thesis co-direction, teaching in postgraduation programs abroad, visiting professor’s exchanges, and in conducting collaborative research projects.

The RECAL project involves UFPE researchers working collaboratively with the University of Arizona (USA), University of Toronto (Canada), Universidad Autonoma de Madrid (Spain), and with the RuhrUniversität Bochum (Germany). It is important to highlight that the research project developed in partnership with the University of Toronto is conducted in collaboration with the multinational company Dupont, which is also supporting this proposal (letter attached). The exchange activities will consist of missions (both sides), lecture (at UFPE), and sending PhD candidates from UFPE for “sandwich” program in the partners institutions. We expect to increase the internationalization of UFPE research groups and improve the graduation quality of our PhDs candidates with better ability for dealing with Environmental Technology. Specially related with solutions for pollution problems, such as water and soil contamination by hazardous compounds, aiming to increase the quality of scientific production by publishing papers in high impact factor journals. Additionally, the development of this project will attract new students and motivate the current ones to conduct research in the theme as well as for participating in the academic activities in the partners universities.

This project has a 4 (four) year duration. Research activities itself are going to be supported by others funding sources.