

I am a Research Fellow at the Centre for Environmental Risk Assessment and Remediation (CERAR), UniSA. I have over 12 years of extensive research experience and skills in the area of heterogeneous catalysis, photocatalysis including photoorganic chemistry, colloid/nanoparticle synthesis, modification and characterization, chemical and biological decontamination in waters, environmental remediation using zeolites and naturally occurring materials and self-cleaning films/coatings, nanomaterials for agricultural applications. I have worked in Europe (France & Switzerland) and Australia for the past 10 years. I am a recipient of Post doctoral fellowships from Indo-French Centre for Promotion of Advanced Research (IFCPAR), Swiss Nanoscience Foundation and UNSW Vice-chancellors fellowship.

I have strong links with CRC for Contamination Assessment and Remediation of Environment (CRC CARE). I am a project leader and lead member of few Department of Defence, Australia funded projects on developing innovative and cost-effective remediation technologies for soil and groundwater contamination.

At CERAR I have gained extensive experience and hold active involvement in designing, developing and validating cost effective remediation technologies for organic contaminants (waste water and soil). I am currently a Research Degree Supervisor at UniSA. Interested students nationally and internationally with high academic degrees are encouraged to contact by email to work on nanomaterials and environmental remediation projects. Research programs are offered at Honours, Master's and PhD level.