

CSIRO-RMIT Research Masters Project List (2021 2022)

ID#	Project Title	RMIT Supervisors	RMIT School Program Code	CSIRO Lab Location
1	Off-grid, water desalination system using graphene based membrane	A/Prof Abhijit Date	Engineering MR216	Clayton, VIC
4	Transparent electrodes for optoelectronic applications via a high-throughput screening platform	Dr Enrico Della Gaspera	Science MR229	Clayton, VIC
6	Advancing precision reactivity of electroactive platforms	Prof Ivan Cole Dr Robert Kapsa Dr Anita Quigley	Engineering MR216	Clayton, VIC
7	The development and performance comparison of surface modification strategies of metal composite carrier	A/Prof Ravi Shukla Dr Cathal O'Connell	Engineering MR216	Clayton, VIC
8	In-process temperature measurement and thermal history of metallic 3D printed objects, from melt pool to macro	A/Prof Andrey Molotnikov	Engineering MR216	Clayton, VIC
10	Advanced Materials and Processes for Energy and Environment using Supercritical Fluids	Dr Subashani Maniam	Science MR229	Clayton, VIC
13	Membrane development and process optimisation for wastewater treatment towards zero liquid discharge and resource recovery	Dr Philipp Reineck A/Prof Linhua Fan	Science MR230	Clayton, VIC
14	Designing Functional Anodes and Electrolytes for Next Generation Commercial Metal Batteries	Dr Nasir Mahmood	Engineering MR216	Clayton, VIC
15	Solution-processed hole-transport layers and vacuum-free organic photovoltaic device fabrication	Dr Dehong Chen Prof Rachel Caruso	Science MR229	Clayton, VIC
16	Predicting conformational organization and dynamics of intrinsically disordered proteins for emergent materials and processes	Prof Naba Datta Prof Namita Roy Choudhury	Engineering MR216	Clayton, VIC
17	Curation of the CSIRO Compound Collection	A/Prof Sylvia Urban	Science MR229	Clayton, VIC

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18	Development of robust methodologies for the reliable processing of transition metal XPS data and their application to the study of O defects	Dr Enrico Della Gaspera	Science MR229	Clayton, VIC
20	Mass Spectrometry Imaging (MSI) applied to the repurposing of drugs for respiratory diseases	A/Prof Sylvia Urban	Science MR229	Clayton, VIC
22	Process development and scale-up of microbial products	A/Prof Tahgrid Istivan	Science MR231	Clayton, VIC
29	Design and Functionalisation of Polymeric Porous Materials for Oily Water Treatment/Separation	Prof Steve Michielsen	Fashion and Textiles MR214	Waurm Ponds, VIC