

Advanced Materials Research Group project summary

Project Title	Nanoscale design and development of biomaterials and biomedical coatings
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Project Summary	<p>Biodegradable metals such as Mg-alloys have been investigated during the past decade as an alternative to currently used permanent metallic implants. Although there has been much promise in this area, pure Mg and Mg-alloy implants exhibit poor corrosion resistance and limited mechanical properties. The current project concerns the design and development of dissolvable Mg-alloys for degradable cardiovascular (stent) devices.</p> <p>Caption: SEM image of a pure Mg corrosion surface following 2 h immersion in 3.5% NaCl solution</p>

