

**MEL 杰出博士后基金项目定向招聘申请表**  
**MEL Outstanding Postdoctoral Fellowship Program**  
**Directed Enrollment Application Form**

导师姓名 Supervisor	戴民汉	邮箱 Email	<a href="mailto:mdai@xmu.edu.cn">mdai@xmu.edu.cn</a>
导师简介 About the Supervisor	Research Interest: 1) Ocean Carbon Cycle and ocean-based carbon dioxide removal (CDR); 2) Ocean nutrient cycle and biogeochemistry of the oligotrophic ocean; 3) Geochemistry of trace metals and radioactive elements (Plutonium and Thorium); 4) Interdisciplinary researches on coupled physical-biogeochemical processes; 5) Integrated and Ecosystem-Based Ocean Management & Governance.		
导师主页 Webpage	<a href="https://mel2.xmu.edu.cn/faculty/MinhanDai/">https://mel2.xmu.edu.cn/faculty/MinhanDai/</a>		
课题名称 Project title	海水碱化 - 碳酸盐矿物溶解行为及界面机理研究 Marine alkalization: dissolution and interfacial mechanism of carbonate minerals		
课题简介 Project Description	建立海水环境碳酸盐矿物溶解系统，采用海水溶液化学监测矿物溶解过程，运用显微技术研究矿物溶解机理，探讨其在海洋碱化应用中的潜力。 The successful candidate will work closely with Drs. Minhan Dai, Zhimian Cao, and Yuan Jiang at MEL to establish a seawater dissolution model system for typical carbonate minerals, to detect the dissolution process and mechanism of minerals using solution chemistry of seawater and microscopic tools. The project also aims to explore the potential of mineral dissolution as a marine carbon dioxide removal (CDR) technique.		
对博士后申请人要求 Requirement for candidates	有化学海洋学或溶液化学、物理化学、材料化学、矿物学、微生物学等相关的学习及科研背景。 Required qualifications include Ph.D in chemical oceanography or solution chemistry, physical chemistry, materials chemistry, mineralogy, or microbiology.		

其他说明 Other comments	Other requirements needed: a) An updated Curriculum Vitae; b) A cover letter of personal statement and motivation; c) The doctorate certificate (or documents equivalent to a doctoral-level degree); d) Contact information of at least three referees; e) 1-2 representative publications.
<b>MEL 杰出博士后评审委员会审批意见</b> <b>Approval decision</b>	
<p>经研究表决，</p> <p><input type="checkbox"/> 同意定向配额_____老师， _____年， 博士后招收名额 1 个。</p> <p><input type="checkbox"/> 不同意。理由：</p>  <p>负责人（签名）：_____ 日期：_____</p> <p>Chair of the Committee (signature): _____ Date: _____</p>	